Array programming with NumPy

Citation Report

#	Article	IF	Citations
1	GLEAM: The GaLactic and Extragalactic All-Sky MWA Survey. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	221
2	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. Cell, 2020, 183, 1185-1201.e20.	28.9	161
3	GigaSOM.jl: High-performance clustering and visualization of huge cytometry datasets. GigaScience, 2020, 9, .	6.4	8
4	badcrossbar: A Python tool for computing and plotting currents and voltages in passive crossbar arrays. SoftwareX, 2020, 12, 100617.	2.6	2
5	A versatile and customizable low-cost 3D-printed open standard for microscopic imaging. Nature Communications, 2020, 11, 5979.	12.8	90
6	Coarse graining molecular dynamics with graph neural networks. Journal of Chemical Physics, 2020, 153, 194101.	3.0	103
7	The Antarctic Crust and Upper Mantle: A Flexible 3D Model and Software Framework for Interdisciplinary Research. Frontiers in Earth Science, 2020, 8, .	1.8	8
8	Intensity mapping as a probe of axion dark matter. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3162-3177.	4.4	28
9	Realizing unification in two different SO(10) models with one intermediate breaking scale. European Physical Journal C, 2020, 80, 1.	3.9	13
10	Blood Stain Classification with Hyperspectral Imaging and Deep Neural Networks. Sensors, 2020, 20, 6666.	3.8	18
11	Improved Projection-Operator Diabatization Schemes for the Calculation of Electronic Coupling Values. Journal of Chemical Theory and Computation, 2020, 16, 7431-7443.	5.3	12
12	Using machine learning analysis to assist in differentiating between necrotizing enterocolitis and spontaneous intestinal perforation: A novel predictive analytic tool. Journal of Pediatric Surgery, 2021, 56, 1703-1710.	1.6	19
13	Low-Order Scaling G_0W_0 by Pair Atomic Density Fitting. Journal of Chemical Theory and Computation, 2020, 16, 7381-7399.	5.3	45
14	Decoupled Hydrodynamic Models and Their Outdoor Identification for an Unmanned Inland Cargo Vessel with Embedded Fully Rotatable Thrusters. Journal of Marine Science and Engineering, 2020, 8, 889.	2.6	5
15	The Reflection Effect in Memory-Based Decisions. Psychological Science, 2020, 31, 1439-1451.	3.3	6
16	Groundwater Withdrawal Prediction Using Integrated Multitemporal Remote Sensing Data Sets and Machine Learning. Water Resources Research, 2020, 56, e2020WR028059.	4.2	40
17	Data-science ready, multisite, human diffusion MRI white-matter-tract statistics. Scientific Data, 2020, 7, 422.	5.3	11
18	Nonlinear 3D cosmic web simulation with heavy-tailed generative adversarial networks. Physical Review D, 2020, 102, .	4.7	10

#	Article	IF	Citations
19	Subsurface Nitrogen Dissociation Kinetics in Lithium Metal from Metadynamics. Journal of Physical Chemistry C, 2020, 124, 26368-26378.	3.1	14
20	Conformational Landscapes of Halohydrin Dehalogenases and Their Accessible Active Site Tunnels. Catalysts, 2020, 10, 1403.	3.5	9
21	Microfluidics for single-cell lineage tracking over time to characterize transmission of phenotypes in Saccharomyces cerevisiae. STAR Protocols, 2020, 1, 100228.	1.2	0
22	Carbon Atoms Speaking Out: How the Geometric Sensitivity of 13C Chemical Shifts Leads to Understanding the Colour Tuning of Phycocyanobilin in Cph1 and AnPixJ. Molecules, 2020, 25, 5505.	3.8	5
23	DoMars16k: A Diverse Dataset for Weakly Supervised Geomorphologic Analysis on Mars. Remote Sensing, 2020, 12, 3981.	4.0	21
24	Current-Assisted SPAD with Improved p-n Junction and Enhanced NIR Performance. Sensors, 2020, 20, 7105.	3.8	11
25	Assessing the orbital-optimized unitary *Ansatz* for density cumulant theory. Journal of Chemical Physics, 2020, 153, 244102.	3.0	2
26	Predicting Tree Sap Flux and Stomatal Conductance from Drone-Recorded Surface Temperatures in a Mixed Agroforestry System—A Machine Learning Approach. Remote Sensing, 2020, 12, 4070.	4.0	15
27	Parallel Factor Analysis Enables Quantification and Identification of Highly Convolved Data-Independent-Acquired Protein Spectra. Patterns, 2020, 1, 100137.	5.9	2
28	Fluctuation-guided search in quantum annealing. Physical Review A, 2020, 102, .	2.5	8
29	A Primer on Focused Solar Energetic Particle Transport. Space Science Reviews, 2020, 216, 1.	8.1	16
30	Spin and eccentricity evolution in triple systems: From the Lidov-Kozai interaction to the final merger of the inner binary. Physical Review D, 2020, 102, .	4.7	19
31	TITUS: Visualization of Neutrino Events in Liquid Argon Time Projection Chambers. Instruments, 2020, 4, 31.	1.8	1
32	Solar Panel Detection within Complex Backgrounds Using Thermal Images Acquired by UAVs. Sensors, 2020, 20, 6219.	3.8	29
33	Classifying basin‐scale stratigraphic geometries from subsurface formation tops with machine learning. Depositional Record, 2021, 7, 64-76.	1.7	2
34	Super High Frequency Events: A New Class of Events Recorded by the InSight Seismometers on Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006599.	3.6	19
35	Still-camera multiview Spectral Optical Flow Imaging for 3D operating-deflection-shape identification. Mechanical Systems and Signal Processing, 2021, 152, 107456.	8.0	28
36	Cellpose: a generalist algorithm for cellular segmentation. Nature Methods, 2021, 18, 100-106.	19.0	1,375

#	ARTICLE	IF	CITATIONS
37	OctaDist: a tool for calculating distortion parameters in spin crossover and coordination complexes. Dalton Transactions, 2021, 50, 1086-1096.	3.3	144
38	The pyruvate-lactate axis modulates cardiac hypertrophy and heart failure. Cell Metabolism, 2021, 33, 629-648.e10.	16.2	137
39	Spatiotemporal Gait Measurement With a Side-View Depth Sensor Using Human Joint Proposals. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1758-1769.	6.3	12
40	Explainable Machine Learning for Default Privacy Setting Prediction. IEEE Access, 2021, 9, 63700-63717.	4.2	9
41	Distilling Spikes: Knowledge Distillation in Spiking Neural Networks. , 2021, , .		8
42	PandAna: A Python Analysis Framework for Scalable High Performance Computing in High Energy Physics. EPJ Web of Conferences, 2021, 251, 03033.	0.3	1
43	Towards a Machine Learning-based Decision Support System for Dispatching Helicopters in New Zealand. , 0, , .		1
44	Void Probability Function of Simulated Surveys of High-redshift LyÎ± Emitters. Astrophysical Journal, 2021, 906, 58.	4.5	6
45	Differential Modeling Systematics across the HR Diagram from Asteroseismic Surface Corrections. Astrophysical Journal, 2021, 906, 54.	4.5	9
48	Unsupervised Abnormal Sensor Signal Detection With Channelwise Reconstruction Errors. IEEE Access, 2021, 9, 39995-40007.	4.2	7
49	A Novel Analytic Atmospheric T(Ï„) Relation for Stellar Models. Research Notes of the AAS, 2021, 5, 7.	0.7	2
50	Kinematic Analysis of a Protostellar Multiple System: Measuring the Protostar Masses and Assessing Gravitational Instability in the Disks of L1448 IRS3B and L1448 IRS3A. Astrophysical Journal Letters, 2021, 907, L10.	8.3	13
51	ASKAP observations of multiple rapid scintillators reveal a degrees-long plasma filament. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3294-3311.	4.4	14
52	Usage and Scaling of an Open-Source Spiking Multi-Area Model of Monkey Cortex. Lecture Notes in Computer Science, 2021, , 47-59.	1.3	5
53	Python Battery Mathematical Modelling (PyBaMM). Journal of Open Research Software, 2021, 9, 14.	5.9	120
54	Lesion location and lesion creation affect outcomes after focused ultrasound thalamotomy. Brain, 2021, 144, 3089-3100.	7.6	18
55	Estimating causal effects with the neural autoregressive density estimator. Journal of Causal Inference, 2021, 9, 211-228.	1.2	0
56	Global Bifurcation. CMS/CAIMS Books in Mathematics, 2021, , 69-106.	0.4	0

#	Article	IF	Citations
57	Intramuscular EMG-Driven Musculoskeletal Modelling: Towards Implanted Muscle Interfacing in Spinal Cord Injury Patients. IEEE Transactions on Biomedical Engineering, 2022, 69, 63-74.	4.2	15
58	The physics of gas phase metallicity gradients in galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5935-5961.	4.4	36
59	Predicting bond-currents in polybenzenoid hydrocarbons with an additivity scheme. Journal of Chemical Physics, 2021, 154, 024110.	3.0	5
61	Variants in SARS-CoV-2 associated with mild or severe outcome. Evolution, Medicine and Public Health, 2021, 9, 267-275.	2.5	24
62	Radiometric measurement techniques for in-depth characterization of photoreactors – part 1: 2 dimensional radiometry. Reaction Chemistry and Engineering, 2021, 6, 1601-1613.	3.7	10
63	Acoustofluidic phase microscopy in a tilted segmentation-free configuration. Biomicrofluidics, 2021, 15, 014102.	2.4	2
64	Automated design of synthetic microbial communities. Nature Communications, 2021, 12, 672.	12.8	58
65	Complications in the ALMA Detection of Phosphine at Venus. Astrophysical Journal Letters, 2021, 907, L27.	8.3	31
66	<tt>CLMM</tt>: a LSST-DESC cluster weak lensing mass modeling library for cosmology. Monthly Notices of the Royal Astronomical Society, 2021, 508, 6092-6110.	4.4	3
67	Stellar migration and chemical enrichment in the milky way disc: a hybrid model. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4484-4511.	4.4	35
68	Comparative Analysis of Change-Point Techniques for Nonlinear Photovoltaic Performance Degradation Rate Estimations. IEEE Journal of Photovoltaics, 2021, 11, 1511-1518.	2.5	14
69	Polariton response in the presence of Brownian dissipation from molecular vibrations. Journal of Chemical Physics, 2021, 154, 044108.	3.0	4
70	CPU Parallelization and GPU Acceleration of SUAVE: Advancements in Sampling and Optimization. , 2021, , .		1
71	Columnar data analysis with ATLAS analysis formats. EPJ Web of Conferences, 2021, 251, 03001.	0.3	1
72	EntDetector: Entanglement Detecting Toolbox for Bipartite Quantum States. Lecture Notes in Computer Science, 2021, , 113-126.	1.3	3
73	Helping Students FIG-ure It Out: A Large-Scale Study of Freshmen Interest Groups and Student Success. AERA Open, 2021, 7, 233285842110218.	2.1	1
74	kalepy: a Python package for kernel density estimation, sampling and plotting. Journal of Open Source Software, 2021, 6, 2784.	4.6	21
75	Efficiency of thermal conduction in a magnetized circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1263-1278.	4.4	13

#	Article	IF	Citations
78	A fragment-based protein interface design algorithm for symmetric assemblies. Protein Engineering, Design and Selection, 2021, 34, .	2.1	11
79	Evaluation of Collaborative Filtering for Recommender Systems. International Journal of Advanced Computer Science and Applications, 2021, 12, .	0.7	4
80	Autonomous Vehicle Allocation Based on Clutter Assessment. , 2021, , .		0
81	Safe Bayesian Optimization for Data-Driven Power Electronics Control Design in Microgrids: From Simulations to Real-World Experiments. IEEE Access, 2021, 9, 35654-35669.	4.2	6
82	pyFOOMB: Python framework for object oriented modeling of bioprocesses. Engineering in Life Sciences, 2021, 21, 242-257.	3.6	15
83	Distance-Weighted Graph Neural Networks on FPGAs for Real-Time Particle Reconstruction in High Energy Physics. Frontiers in Big Data, 2020, 3, 598927.	2.9	31
84	Ipsi- and Contralateral Oligo- and Polysynaptic Reflexes in Humans Revealed by Low-Frequency Epidural Electrical Stimulation of the Lumbar Spinal Cord. Brain Sciences, 2021, 11, 112.	2.3	5
85	Data-driven Stellar Models. Astrophysical Journal, 2021, 907, 57.	4.5	6
87	MDM-TASK-web: MD-TASK and MODE-TASK web server for analyzing protein dynamics. Computational and Structural Biotechnology Journal, 2021, 19, 5059-5071.	4.1	18
88	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. Planetary Science Journal, 2021, 2, 9.	3.6	5
89	The New Magnetar SGR J1830â^'0645 in Outburst. Astrophysical Journal Letters, 2021, 907, L34.	8.3	14
91	Helipad: A Framework for Agent-Based Modeling in Python. SSRN Electronic Journal, 0, , .	0.4	0
92	Active probing to highlight approaching transitions to ictal states in coupled neural mass models. PLoS Computational Biology, 2021, 17, e1008377.	3.2	4
93	On the fitting of bathtub-shaped failure models to lifetime data for selective maintenance optimization. Computer Aided Chemical Engineering, 2021, , 605-610.	0.5	1
94	Integrating County-Level Socioeconomic Data for COVID-19 Forecasting in the United States. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 235-248.	2.3	6
95	TSNet: predicting transition state structures with tensor field networks and transfer learning. Chemical Science, 2021, 12, 10022-10040.	7.4	28
96	Wertheimâ€™s thermodynamic perturbation theory with double-bond association and its application to colloidâ€"linker mixtures. Journal of Chemical Physics, 2021, 154, 024905.	3.0	10
99	Predicting the conformations of the silk protein through deep learning. Analyst, The, 2021, 146, 2490-2498.	3.5	8

#	ARTICLE	IF	CITATIONS
101	Instrument Playing Technique Recognition: A Greek Music Use Case. A NIME Reader Fifteen Years of New Interfaces for Musical Expression, 2021, , 124-136.	0.1	0
102	The effect of jetâ€"ejecta interaction on the viewing angle dependence of kilonova light curves. Monthly Notices of the Royal Astronomical Society, 2021, 502, 865-875.	4.4	20
103	Analysis and Acceleration of the Quadratic Knapsack Problem on an Ising Machine. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1526-1535.	0.3	7
104	Influence of A site cation on nonlinear band gap dependence of 2D Ruddlesdenâ€"Popper $A_2Pb_{1-x}Sn_xI_4$ perovskites. Materials Advances, 2021, 2, 5254-5261.	5.4	3
105	Natural Language Processing with Pandas DataFrames. , 2021, , .		0
106	Accelerating Spectroscopic Data Processing Using Python and GPUs on NERSC Supercomputers. , 2021, , .		1
108	Interactions Determining the Structural Integrity of the Trimer of Plant Light Harvesting Complex in Lipid Membranes. Journal of Membrane Biology, 2021, 254, 157-173.	2.1	2
109	Intelliquench: An Adaptive Machine Learning System for Detection of Superconducting Magnet Quenches. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	8
110	AORM: Fast Incremental Arbitrary-Order Reachability Matrix Computation for Massive Graphs. IEEE Access, 2021, 9, 69539-69558.	4.2	2
111	Implementation of Genetic Pseudo Rehearsal. Lecture Notes in Computer Science, 2021, , 167-172.	1.3	0
113	COOL-LAMPS. I. An Extraordinarily Bright Lensed Galaxy at Redshift 5.04*. Astrophysical Journal, 2021, 906, 107.	4.5	13
114	dtControl 2.0: Explainable Strategy Representation via Decision Tree Learning Steered by Experts. Lecture Notes in Computer Science, 2021, , 326-345.	1.3	10
115	Human Action Recognition Based on Transfer Learning Approach. IEEE Access, 2021, 9, 82058-82069.	4.2	25
117	Simultaneous Data Rate and Transmission Power Adaptation in V2V Communications: A Deep Reinforcement Learning Approach. IEEE Access, 2021, 9, 122067-122081.	4.2	6
118	MDPRP: A Q-Learning Approach for the Joint Control of Beaconing Rate and Transmission Power in VANETs. IEEE Access, 2021, 9, 10166-10178.	4.2	13
119	The Sloan Digital Sky Survey Reverberation Mapping Project: The M_{BH}â€"Host Relations at $0.2 \lesssim z \lesssim 0.6$ from Reverberation Mapping and Hubble Space Telescope Imaging. Astrophysical Journal, 2021, 906, 103.		17
120	Learning How To Learn NLP: Developing Introductory Concepts Through Scaffolded Discovery. , 2021, , .		0
121	Stegano-Morphing: Concealing Attacks on Face Identification Algorithms. IEEE Access, 2021, 9, 100851-100867.	4.2	2

#	Article	IF	Citations
123	An All-Photonic Molecular Amplifier and Binary Flip-flop. Journal of Physical Chemistry Letters, 2021, 12, 1236-1243.	4.6	1
125	Generation of an isoform-level transcriptome atlas of macrophage activation. Journal of Biological Chemistry, 2021, 296, 100784.	3.4	18
126	Abstraction-Guided Truncations forÂStationary Distributions of Markov Population Models. Lecture Notes in Computer Science, 2021, , 351-371.	1.3	5
127	A Tool for the Rapid Seismic Assessment of Historic Masonry Structures Based on Limit Analysis Optimisation and Rocking Dynamics. Applied Sciences (Switzerland), 2021, 11, 942.	2.5	41
128	The experience of applying mathematical methods for analysis of the microgeneration sector in Russia. International Review, 2021, , 153-160.	0.7	1
129	Accessing local electron-beam induced temperature changes during <i>in situ</i> liquid-phase transmission electron microscopy. Nanoscale Advances, 2021, 3, 2466-2474.	4.6	30
130	The influence of the environment on the spin evolution of low-mass stars â€" I. External photoevaporation of circumstellar discs. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3710-3729.	4.4	22
131	Distant probes of rotation measure structure: where is the Faraday rotation towards the Magellanic Leading Arm?. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3921-3935.	4.4	1
132	Spurious heating of stellar motions in simulated galactic discs by dark matter halo particles. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5114-5137.	4.4	36
133	Evidence for â€œcocktailâ€•type catalysis in Buchwaldâ€"Hartwig reaction. A mechanistic study. Catalysis Science and Technology, 2021, 11, 7171-7188.	4.1	15
134	Synthetic Radar Dataset Generator for Macro-Gesture Recognition. IEEE Access, 2021, 9, 76576-76584.	4.2	6
135	An Artificial Intelligence Approach to Modeling in Social Science. Journal of Health and Environmental Research, 2021, 7, 64.	0.2	0
136	Twitter Gone Wrong: How Constructive Dialog and Collaboration Enable Innovation. Computing in Science and Engineering, 2021, 23, 97-101.	1.2	0
137	Thermal expansion properties of organic crystals: a CSD study. Chemical Science, 2021, 12, 8537-8547.	7.4	31
139	Instantaneous Flowfield Estimation with Gaussian Ridges. , 2021, , .		3
140	Analog quantum simulation of chemical dynamics. Chemical Science, 2021, 12, 9794-9805.	7.4	26
141	The bursty star formation history of the Fornax dwarf spheroidal galaxy revealed with the <i>HST</i>. Monthly Notices of the Royal Astronomical Society, 2021, 502, 642-661.	4.4	20
142	Feature Space Reduction for Human Activity Recognition based on Multi-channel Biosignals. , 2021, , .		11

#	Article	IF	Citations
143	Adult‐born granule cell mossy fibers preferentially target parvalbumin‐positive interneurons surrounded by perineuronal nets. Hippocampus, 2021, 31, 375-388.	1.9	8
144	Towards HPC and Big Data Analytics Convergence: Design and Experimental Evaluation of a HPDA Framework for eScience at Scale. IEEE Access, 2021, 9, 73307-73326.	4.2	10
145	Toward a complete interdisciplinary treatment of scale. Elementa, 2021, 9, .	3.2	2
146	Electrokinetic sweeping of colloids at a reactive magnesium oxide interface. Soft Matter, 2021, 17, 8705-8711.	2.7	3
147	ReaxFF-MPNN machine learning potential: a combination of reactive force field and message passing neural networks. Physical Chemistry Chemical Physics, 2021, 23, 19457-19464.	2.8	9
148	MPI-parallel Molecular Dynamics Trajectory Analysis with the H5MD Format in the MDAnalysis Python Package. , 2021, , .		1
149	Deep Learning Based Resource Availability Prediction for Local Mobile Crowd Computing. IEEE Access, 2021, 9, 116647-116671.	4.2	10
150	Optimisation of carbon capture from flue gas from a Waste-to-Energy plant using surrogate modelling and global optimisation. Oil and Gas Science and Technology, 2021, 76, 55.	1.4	5
151	Slip Activity During Low-Stress Cold Creep Deformation in a Near-α Titanium Alloy. SSRN Electronic Journal, 0, , .	0.4	0
152	huARdb: human Antigen Receptor database for interactive clonotype-transcriptome analysis at the single-cell level. Nucleic Acids Research, 2022, 50, D1244-D1254.	14.5	10
153	Gegravity: General Equilibrium Gravity Modeling in Python. SSRN Electronic Journal, 0, , .	0.4	0
154	Independent Vector Analysis via Log-Quadratically Penalized Quadratic Minimization. IEEE Transactions on Signal Processing, 2021, 69, 2509-2524.	5.3	8
155	Modelling the utility of group testing for public health surveillance. Infectious Disease Modelling, 2021, 6, 1009-1024.	1.9	0
156	Homotopy continuation for the spectra of persistent Laplacians. , 2021, 3, 677.		2
157	Structural, QSAR, machine learning and molecular docking studies of 5-thiophen-2-yl pyrazole derivatives as potent and selective cannabinoid-1 receptor antagonists. New Journal of Chemistry, 2021, 45, 17796-17807.	2.8	5
159	On the Use of Machine Learning Models for Prediction of Compressive Strength of Concrete: Influence of Dimensionality Reduction on the Model Performance. Materials, 2021, 14, 713.	2.9	38
161	An Efficient Backward/Forward Sweep Algorithm for Power Flow Analysis through a Novel Tree-Like Structure for Unbalanced Distribution Networks. Energies, 2021, 14, 897.	3.1	14
163	A self-supervised, physics-aware, Bayesian neural network architecture for modelling galaxy emission-line kinematics. Monthly Notices of the Royal Astronomical Society, 2021, 503, 574-585.	4.4	2

#	Article	IF	Citations
164	A search for radio afterglows from gamma-ray bursts with the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1847-1863.	4.4	8
165	Stromlo Stellar Tracks: Non-solar-scaled Abundances for Massive Stars. Astrophysical Journal, 2021, 908, 241.	4.5	17
166	Interaction of Large- and Small-scale Dynamos in Isotropic Turbulent Flows from GPU-accelerated Simulations. Astrophysical Journal, 2021, 907, 83.	4.5	7
167	Modeling Transpiration with Sun-Induced Chlorophyll Fluorescence Observations via Carbon-Water Coupling Methods. Remote Sensing, 2021, 13, 804.	4.0	8
168	On the Collisional Disalignment of Dust Grains in Illuminated and Shaded Regions of IC 63. Astrophysical Journal, 2021, 907, 93.	4.5	6
170	PyCLiPSM: Harnessing heterogeneous computing resources on CPUs and GPUs for accelerated digital soil mapping. Transactions in GIS, 2021, 25, 1396-1418.	2.3	2
171	Spinal Cord Morphology in Degenerative Cervical Myelopathy Patients; Assessing Key Morphological Characteristics Using Machine Vision Tools. Journal of Clinical Medicine, 2021, 10, 892.	2.4	11
172	XerD unloads bacterial SMC complexes at the replication terminus. Molecular Cell, 2021, 81, 756-766.e8.	9.7	27
173	Automated Rational Strain Construction Based on High-Throughput Conjugation. ACS Synthetic Biology, 2021, 10, 589-599.	3.8	18
174	Multi-scale Simulation of Equilibrium Step Fluctuations on Cu(111) Surfaces. ACS Omega, 2021, 6, 5183-5196.	3.5	2
175	Detection of spectral variations of Anomalous Microwave Emission with QUIJOTE and C-BASS. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2927-2943.	4.4	17
176	Spec2Vec: Improved mass spectral similarity scoring through learning of structural relationships. PLoS Computational Biology, 2021, 17, e1008724.	3.2	92
177	Early risk assessment for COVID-19 patients from emergency department data using machine learning. Scientific Reports, 2021, 11, 4200.	3.3	67
178	Effects of linker flexibility on phase behavior and structure of linked colloidal gels. Journal of Chemical Physics, 2021, 154, 074901.	3.0	15
179	Exploring author gender in book rating and recommendation. User Modeling and User-Adapted Interaction, 2021, 31, 377-420.	3.8	20
180	deeplenstronomy: A dataset simulation package for strong gravitational lensing. Journal of Open Source Software, 2021, 6, 2854.	4.6	8
181	The precessing jets of classical nova YZ Reticuli. Monthly Notices of the Royal Astronomical Society, 2021, 503, 704-714.	4.4	5
182	Nonlinear Band Gap Dependence of Mixed Pb–Sn 2D Ruddlesden–Popper $PEA_2Pb_{1-x}Sn_xI_4$ Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 1501-1506.	4.6	9

#	ARTICLE	IF	CITATIONS
183	Are fiducial registration error and target registration error correlated? SciKit-SurgeryFRED for teaching and research. , 2021, 11598, .		2
185	Lensed CMB power spectrum biases from masking extragalactic sources. Physical Review D, 2021, 103, .	4.7	7
188	Learning to do multiframe wavefront sensing unsupervised: Applications to blind deconvolution. Astronomy and Astrophysics, 2021, 646, A100.	5.1	8
189	The SAMI Galaxy Survey: the third and final data release. Monthly Notices of the Royal Astronomical Society, 2021, 505, 991-1016.	4.4	70
190	Sensitivity analysis for interpretation of machine learning based segmentation models in cardiac MRI. BMC Medical Imaging, 2021, 21, 27.	2.7	16
191	A circular polarization survey for radio stars with the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5438-5454.	4.4	29
192	A Mechanistic Model of NMDA and AMPA Receptor-Mediated Synaptic Transmission in Individual Hippocampal CA3-CA1 Synapses: A Computational Multiscale Approach. International Journal of Molecular Sciences, 2021, 22, 1536.	4.1	9
193	Explosion analysis from images: Trinity and Beirut*. European Journal of Physics, 2021, 42, 035803.	0.6	15
194	An Ultra-High Time Resolution Cosmic-Ray Detection Mode for the Murchison Widefield Array. Journal of Astronomical Instrumentation, 2021, 10, .	1.5	3
195	Planet cartography with neural learned regularization. Astronomy and Astrophysics, 2021, 646, A4.	5.1	4
196	The impact of magnetic fields on momentum transport and saturation of shear-flow instability by stable modes. Physics of Plasmas, 2021, 28, 022309.	1.9	4
198	NeuroKit2: A Python toolbox for neurophysiological signal processing. Behavior Research Methods, 2021, 53, 1689-1696.	4.0	369
199	On the Frobenius number of certain numerical semigroups. International Journal of Algebra and Computation, 2021, 31, 519-532.	0.5	1
200	The Distribution of Several Genomic Virulence Determinants Does Not Corroborate the Established Serotyping Classification of Bacillus thuringiensis. International Journal of Molecular Sciences, 2021, 22, 2244.	4.1	6
201	Removing Orbital Variations From Low Altitude Particle Data: Method and Application. Space Weather, 2021, 19, e2020SW002638.	3.7	3
202	Relative importance of Al(V) and reinforcement to the flexural strength of geopolymer composites. Journal of the American Ceramic Society, 2021, 104, 3452-3460.	3.8	8
203	PartSeg: a tool for quantitative feature extraction from 3D microscopy images for dummies. BMC Bioinformatics, 2021, 22, 72.	2.6	7
204	Training data augmentation for deep learning radio frequency systems. Journal of Defense Modeling and Simulation, 2021, 18, 217-237.	1.7	9

#	Article	IF	Citations
205	Vertically Resolved Magma Ocean–Protoatmosphere Evolution: H_2, H_2O, CO_2, CH_4, CO, O_2, and N_2 as Primary Absorbers. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006711.	3.6	40
206	The TESS–Keck Survey. IV. A Retrograde, Polar Orbit for the Ultra-low-density, Hot Super-Neptune WASP-107b. Astronomical Journal, 2021, 161, 119.	4.7	25
207	BERT: a sentiment analysis odyssey. Journal of Marketing Analytics, 2021, 9, 118-126.	3.7	49
208	The SAGA Survey. II. Building a Statistical Sample of Satellite Systems around Milky Way–like Galaxies. Astrophysical Journal, 2021, 907, 85.	4.5	115
211	Shape noise and dispersion in precision weak lensing. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5612-5621.	4.4	2
212	Placing LOFAR-detected quasars in Civ emission space: implications for winds, jets and star formation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4154-4169.	4.4	7
213	A Do-It-Yourself Hyperspectral Imager Brought to Practice with Open-Source Python. Sensors, 2021, 21, 1072.	3.8	9
214	Dynamical Masses and Stellar Evolutionary Model Predictions of M Stars. Astrophysical Journal, 2021, 908, 42.	4.5	14
216	A spectroscopically confirmed *Gaia*-selected sample of 318 new young stars within ∼200 pc. Monthly Notices of the Royal Astronomical Society, 2021, 503, 938-952.	4.4	4
217	Weighing the Galactic disk in sub-regions of the solar neighbourhood using *Gaia* DR2. Astronomy and Astrophysics, 2021, 646, A67.	5.1	13
218	Surfaces of (Nearly) Dormant Comets and the Recent History of the Quadrantid Meteor Shower. Planetary Science Journal, 2021, 2, 31.	3.6	5
219	Antarctic Geothermal Heat Flow Model: Aq1. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009428.	2.5	23
220	Monitoring E. coli Cell Integrity by ATR-FTIR Spectroscopy and Chemometrics: Opportunities and Caveats. Processes, 2021, 9, 422.	2.8	6
221	The 60 pc Environment of FRB 20180916B. Astrophysical Journal Letters, 2021, 908, L12.	8.3	67
222	Sufficiency of a Gaussian power spectrum likelihood for accurate cosmology from upcoming weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1999-2013.	4.4	11
223	A Novel Approach for Cognitive Clustering of Parkinsonisms through Affinity Propagation. Algorithms, 2021, 14, 49.	2.1	7
225	Survey2Survey: a deep learning generative model approach for cross-survey image mapping. Monthly Notices of the Royal Astronomical Society, 2021, 503, 777-796.	4.4	5
226	Measuring Black Hole Masses from Tidal Disruption Events and Testing the M_{BH}–σ_* Relation. Astrophysical Journal, 2021, 907, 77.	4.5	16

#	ARTICLE	IF	CITATIONS
227	Comparison between optical and digital blur using near visual acuity. Scientific Reports, 2021, 11, 3437.	3.3	4
228	Discovery of Correlated Evolution in Solar Noise Storm Source Parameters: Insights on Magnetic Field Dynamics during a Microflare. Astrophysical Journal Letters, 2021, 909, L1.	8.3	11
229	Angular momentum evolution can be predicted from cosmological initial conditions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5480-5486.	4.4	11
231	Sulfur Metabolites Play Key System-Level Roles in Modulating Denitrification. MSystems, 2021, 6, .	3.8	10
232	BAT AGN Spectroscopic Survey. XX. Molecular Gas in Nearby Hard-X-Ray-selected AGN Galaxies. Astrophysical Journal, Supplement Series, 2021, 252, 29.	7.7	52
233	Phase curve and variability analysis of <i>WASP</i>-12b using <i>TESS</i> photometry. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 503, L38-L46.	3.3	10
234	Efficient implementation of the single-reference algebraic diagrammatic construction theory for charged excitations: Applications to the TEMPO radical and DNA base pairs. Journal of Chemical Physics, 2021, 154, 074105.	3.0	18
235	Spatiotemporal dissection of the cell cycle with single-cell proteogenomics. Nature, 2021, 590, 649-654.	27.8	104
238	Lifetimes and rotation within the solar mean magnetic field. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5603-5611.	4.4	1
239	Target Prioritization and Observing Strategies for the NEID Earth Twin Survey. Astronomical Journal, 2021, 161, 130.	4.7	10
240	PyAutoFit: A Classy Probabilistic Programming Language for Model Composition and Fitting. Journal of Open Source Software, 2021, 6, 2550.	4.6	16
241	Interstellar Extinction, Polarization, and Grain Alignment in the Sh 2-185 (IC 59 and IC 63) Region. Astronomical Journal, 2021, 161, 149.	4.7	9
243	Can Galaxy Evolution Mimic Cosmic Reionization?. Astrophysical Journal, 2021, 908, 219.	4.5	6
244	SITELLE Hα Imaging Spectroscopy of z ∼ 0.25 Clusters: Emission-line Galaxy Detection and Ionized Gas Offset in Abell 2390 and Abell 2465. Astrophysical Journal, 2021, 908, 228.	4.5	9
245	Energetic Electron Distribution of the Coronal Acceleration Region: First Results from Joint Microwave and Hard X-Ray Imaging Spectroscopy. Astrophysical Journal Letters, 2021, 908, L55.	8.3	21
247	Creating clear and informative image-based figures for scientific publications. PLoS Biology, 2021, 19, e3001161.	5.6	35
248	thornado-hydro: A Discontinuous Galerkin Method for Supernova Hydrodynamics with Nuclear Equations of State*. Astrophysical Journal, Supplement Series, 2021, 253, 21.	7.7	6
249	Dipolar coupling of nanoparticle-molecule assemblies: An efficient approach for studying strong coupling. Journal of Chemical Physics, 2021, 154, 094109.	3.0	9

#	Article	IF	Citations
250	Development of accurate classification of heavenly bodies using novel machine learning techniques. Soft Computing, 2021, 25, 7213-7228.	3.6	2
253	Oncotherapeutic Protein Kinase Inhibitors Associated With Pro-Arrhythmic Liability. JACC: CardioOncology, 2021, 3, 88-97.	4.0	15
254	The Reflectance of Cold Classical Trans-Neptunian Objects in the Nearest Infrared. Planetary Science Journal, 2021, 2, 57.	3.6	3
256	Network dynamics underlying OFF responses in the auditory cortex. ELife, 2021, 10, .	6.0	17
257	21-cm foregrounds and polarization leakage: cleaning and mitigation strategies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 208-227.	4.4	37
258	Quantification of continuous flood hazard using random forest classification and flood insurance claims at large spatial scales: a pilot study in southeast Texas. Natural Hazards and Earth System Sciences, 2021, 21, 807-822.	3.6	33
260	Mapping luminous hot stars in the Galaxy. Astronomy and Astrophysics, 2021, 650, A112.	5.1	35
261	Hunting for the elusive methylene radical. Astronomy and Astrophysics, 2021, 647, A42.	5.1	8
262	<scp>pion</scp>: simulating bow shocks and circumstellar nebulae. Monthly Notices of the Royal Astronomical Society, 2021, 504, 983-1008.	4.4	3
263	The Bayesian Causal Inference of Body Ownership Model: Use in VR and Plausible Parameter Choices. , 2021, , .		1
264	Improved PV Soiling Extraction Through the Detection of Cleanings and Change Points. IEEE Journal of Photovoltaics, 2021, 11, 519-526.	2.5	24
265	AutoGraph: Autonomous Graph-Based Clustering of Small-Molecule Conformations. Journal of Chemical Information and Modeling, 2021, 61, 1647-1656.	5.4	9
266	On the origin of the mass–metallicity gradient relation in the local Universe. Monthly Notices of the Royal Astronomical Society, 2021, 504, 53-64.	4.4	22
267	Bacterial Growth Control Mechanisms Inferred from Multivariate Statistical Analysis of Single-Cell Measurements. Current Biology, 2021, 31, 955-964.e4.	3.9	24
268	Galaxy and mass assembly (GAMA): the inferred mass–metallicity relation from z = 0 to 3.5 via forensic SED fitting. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3309-3325.	4.4	30
269	We need to talk about the lack of investment in digital research infrastructure. Nature Computational Science, 2021, 1, 169-171.	8.0	6
270	A Decade of Radial-velocity Monitoring of Vega and New Limits on the Presence of Planets. Astronomical Journal, 2021, 161, 157.	4.7	8
271	Metabolic Characterization of Plasma and Cyst Fluid from Cystic Precursors to Pancreatic Cancer Patients Reveal Metabolic Signatures of Bacterial Infection. Journal of Proteome Research, 2021, 20, 2725-2738.	3.7	18

#	ARTICLE	IF	CITATIONS
272	Pycro-Manager: open-source software for customized and reproducible microscope control. Nature Methods, 2021, 18, 226-228.	19.0	54
273	Focused laser differential interferometer response to shock waves. Measurement Science and Technology, 2021, 32, 055203.	2.6	13
277	Boyajianâ€™s Star B: The Co-moving Companion to KIC 8462852 A. Astrophysical Journal, 2021, 909, 216.	4.5	6
278	forestatrisk: a Python package for modelling and forecasting deforestation in the tropics. Journal of Open Source Software, 2021, 6, 2975.	4.6	1
280	Subaru Hyper Suprime-Cam excavates colossal over- and underdense structures over 360â€‰deg2 out to <i>z</i> = 1. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3896-3912.	4.4	8
281	Stellar Evolution in AGN Disks. Astrophysical Journal, 2021, 910, 94.	4.5	66
282	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
283	A choreography of centrosomal mRNAs reveals a conserved localization mechanism involving active polysome transport. Nature Communications, 2021, 12, 1352.	12.8	52
284	Use of computer vision for analysis of image datasets from high temperature plasma experiments. Review of Scientific Instruments, 2021, 92, 033532.	1.3	8
285	Neuronal SKN-1B modulates nutritional signalling pathways and mitochondrial networks to control satiety. PLoS Genetics, 2021, 17, e1009358.	3.5	11
286	A Distinct Population of Small Planets: Sub-Earths. Astronomical Journal, 2021, 161, 201.	4.7	4
287	Frequentist versus Bayesian analyses: Cross-correlation as an approximate sufficient statistic for LIGO-Virgo stochastic background searches. Physical Review D, 2021, 103, .	4.7	13
289	Visualizing anatomically registered data with brainrender. ELife, 2021, 10, .	6.0	75
290	To cool is to keep: residual H/He atmospheres of super-Earths and sub-Neptunes. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5658-5674.	4.4	18
291	Anomalous Behavior in the Atomic Structure of Nb3Sn under High Pressure. Crystals, 2021, 11, 331.	2.2	3
292	Searching for Low-mass Population III Stars Disguised as White Dwarfs. Astronomical Journal, 2021, 161, 197.	4.7	1
293	Epigenomic tensor predicts disease subtypes and reveals constrained tumor evolution. Cell Reports, 2021, 34, 108927.	6.4	12
294	Correction of Directional Effects in VEGETATION NDVI Time-Series. Remote Sensing, 2021, 13, 1130.	4.0	10

#	ARTICLE	IF	CITATIONS
297	Framework for analysis of next generation, polarized CMB data sets in the presence of Galactic foregrounds and systematic effects. Physical Review D, 2021, 103, .	4.7	7
298	The Power Spectrum of Episodic Stellar Mass Accretion. Research Notes of the AAS, 2021, 5, 64.	0.7	0
301	Synergies between low- and intermediate-redshift galaxy populations revealed with unsupervised machine learning. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3010-3031.	4.4	12
302	Metabolic Capacity of the Antarctic Cyanobacterium Phormidium pseudopriestleyi That Sustains Oxygenic Photosynthesis in the Presence of Hydrogen Sulfide. Genes, 2021, 12, 426.	2.4	12
303	Uncertainty quantification of dynamic earthquake rupture simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200076.	3.4	1
305	Arbitrary-Order Derivatives of Quantum Chemical Methods via Automatic Differentiation. Journal of Physical Chemistry Letters, 2021, 12, 3232-3239.	4.6	16
306	Diabetes Disease Prediction Using Machine Learning Algorithms. , 2021, , .		23
308	Digging into the Interior of Hot Cores with ALMA (DIHCA). I. Dissecting the High-mass Star-forming Core G335.579-0.292 MM1. Astrophysical Journal, 2021, 909, 199.	4.5	17
309	ParaMol: A Package for Automatic Parameterization of Molecular Mechanics Force Fields. Journal of Chemical Information and Modeling, 2021, 61, 2026-2047.	5.4	22
311	Flybys, Orbits, Splashback: Subhalos and the Importance of the Halo Boundary. Astrophysical Journal, 2021, 909, 112.	4.5	26
312	The Lyman Alpha Spectral Database (LASD). Publications of the Astronomical Society of the Pacific, 2021, 133, 034507.	3.1	12
313	The Discovery of a Highly Accreting, Radio-loud Quasar at $z = 6.82$. Astrophysical Journal, 2021, 909, 80.	4.5	55
315	Mechanistic Origin of Superionic Lithium Diffusion in Anion-Disordered Li_6PS_5X Argyrodites. Chemistry of Materials, 2021, 33, 2004-2018.	6.7	63
316	Terrestrial Evaporation and Global Climate: Lessons from Northland, a Planet with a Hemispheric Continent. Journal of Climate, 2021, 34, 2253-2276.	3.2	7
319	Machine Learning in Futures Markets. Journal of Risk and Financial Management, 2021, 14, 119.	2.3	3
320	Searching for Extragalactic Star Formation in the M101 Group. Research Notes of the AAS, 2021, 5, 63.	0.7	0
321	lidar: A Python package for delineating nested surface depressions from digital elevation data. Journal of Open Source Software, 2021, 6, 2965.	4.6	1
322	Off-resonance CorrecTion OPen soUrce Software (OCTOPUS). Journal of Open Source Software, 2021, 6, 2578.	4.6	1

#	ARTICLE	IF	CITATIONS
323	Machine learning the fates of dark matter subhaloes: a fuzzy crystal ball. Monthly Notices of the Royal Astronomical Society, 2021, 504, 248-266.	4.4	4
325	Empirical mode decomposition for automatic artifact elimination in electrogastrogram. , 2021, , .		1
326	Integrating LoS and RIMP Measurements in a Single Test Environment. , 2021, , .		1
327	NMR Spin Relaxation Theory of Biomolecules Undergoing Highly Asymmetric Exchange with Large Interaction Partners. Journal of Chemical Theory and Computation, 2021, 17, 2374-2382.	5.3	3
328	The H.E.S.S. gravitational wave rapid follow-up program. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 045.	5.4	9
329	Human ORC/MCM density is low in active genes and correlates with replication time but does not delimit initiation zones. ELife, 2021, 10, .	6.0	23
330	Effect of Water Models on Transmembrane Self-Assembled Cyclic Peptide Nanotubes. ACS Nano, 2021, 15, 7053-7064.	14.6	12
331	Unlocking Starlight Subtraction in Full-data-rate Exoplanet Imaging by Efficiently Updating Karhunenâ€"Loáve Eigenimages. Astronomical Journal, 2021, 161, 166.	4.7	2
332	Identifying Drivers Behind Spatial Variability of Methane Concentrations in East Siberian Ponds. Frontiers in Earth Science, 2021, 9, .	1.8	7
333	RivGraph: Automatic extraction and analysis of river and delta channel network topology. Journal of Open Source Software, 2021, 6, 2952.	4.6	14
334	Coupled oscillators coordinate collective germline growth. Developmental Cell, 2021, 56, 860-870.e8.	7.0	21
335	Contemporaneous Multiwavelength and Precovery Observations of the Active Centaur P/2019 LD2 (ATLAS). Planetary Science Journal, 2021, 2, 48.	3.6	10
338	Electronic Structure Trends Across the Rare-Earth Series in Superconducting Infinite-Layer Nickelates. Physical Review X, 2021, 11, .	8.9	57
339	A Spatially Resolved Survey of Distant Quasar Host Galaxies. II. Photoionization and Kinematics of the ISM. Astrophysical Journal, 2021, 910, 44.	4.5	7
340	Physical approach to the marginalization of LIGO calibration uncertainties. Physical Review D, 2021, 103, .	4.7	27
341	How planets grow by pebble accretion. Astronomy and Astrophysics, 2021, 647, A175.	5.1	31
344	Free Analysis and Visualization Programs for Electrochemical Impedance Spectroscopy Coded in Python. Electrochemistry, 2021, 89, 218-222.	1.4	13
346	Possible Evidence of Hydrogen Emission in the First-overtone and Multimode RR Lyrae Variables. Astrophysical Journal, 2021, 909, 25.	4.5	4

#	ARTICLE	IF	CITATIONS
347	Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way. Astrophysical Journal, 2021, 910, 17.	4.5	13
348	PyLightcurve-torch: a transit modeling package for deep learning applications in PyTorch. Publications of the Astronomical Society of the Pacific, 2021, 133, 034505.	3.1	6
351	TIC 168789840: A Sextuply Eclipsing Sextuple Star System. Astronomical Journal, 2021, 161, 162.	4.7	28
352	Ultraviolet spectra of extreme nearby star-forming regions: Evidence for an overabundance of very massive stars. Monthly Notices of the Royal Astronomical Society, 2021, 503, 6112-6135.	4.4	27
354	The Star Formation History of Eridanus II: On the Role of Supernova Feedback in the Quenching of Ultrafaint Dwarf Galaxies*. Astrophysical Journal, 2021, 909, 192.	4.5	26
355	Characterization of the variability in the O+B eclipsing binary HDÂ165246. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1124-1137.	4.4	9
356	Stellar Collapse Diversity and the Diffuse Supernova Neutrino Background. Astrophysical Journal, 2021, 909, 169.	4.5	43
357	Gemini/GMOS optical transmission spectroscopy of WASP-121b: signs of variability in an ultra-hot Jupiter?. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4787-4801.	4.4	25
358	GLEAM: Galaxy Line Emission & Absorption Modeling. Astronomical Journal, 2021, 161, 158.	4.7	2
360	The spatial landscape of lung pathology during COVID-19 progression. Nature, 2021, 593, 564-569.	27.8	249
361	The Fornax3D project: Assembly histories of lenticular galaxies from a combined dynamical and population orbital analysis. Astronomy and Astrophysics, 2021, 647, A145.	5.1	22
362	<i>DATAD</i>: a Python-based X-ray diffraction simulation code for arbitrary texture and arbitrary deformation. Journal of Applied Crystallography, 2021, 54, 686-696.	4.5	4
363	Uncovering the structure of clinical EEG signals with self-supervised learning. Journal of Neural Engineering, 2021, 18, 046020.	3.5	86
364	MLLPA : A Machine Learningâ€assisted Python module to study phaseâ€specific events in lipid membranes. Journal of Computational Chemistry, 2021, 42, 930-943.	3.3	3
365	Teaching Creative and Practical Data Science at Scale. Journal of Statistics and Data Science Education, 2021, 29, S27-S39.	1.6	30
367	K2-138 g: Spitzer Spots a Sixth Planet for the Citizen Science System. Astronomical Journal, 2021, 161, 219.	4.7	8
368	Reducing the ecological impact of computing through education and Python compilers. Nature Astronomy, 2021, 5, 334-335.	10.1	4
370	Mapping Riparian Habitats of Natura 2000 Network (91E0*, 3240) at Individual Tree Level Using UAV Multi-Temporal and Multi-Spectral Data. Remote Sensing, 2021, 13, 1756.	4.0	12

#	ARTICLE	IF	CITATIONS
371	Development of an Image Analysis Pipeline to Estimate Sphagnum Colony Density in the Field. Plants, 2021, 10, 840.	3.5	1
372	A multishock model for the density variance of anisotropic, highly magnetized, supersonic turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4354-4368.	4.4	17
373	An <i>HST</i>/STIS view of protoplanetary discs in UpperÂScorpius: observations of three young M stars. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3074-3083.	4.4	2
374	Conformational Plasticity-Rigidity Axis of the Coagulation Factor VII Zymogen Elucidated by Atomistic Simulations of the N-Terminally Truncated Factor VIIa Protease Domain. Biomolecules, 2021, 11, 549.	4.0	7
375	<i>N</i>-body simulations of dark matter with frequent self-interactions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 851-868.	4.4	13
376	A Spectral Survey of WASP-19b with ESPRESSO. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	27
377	Cubature rules for weakly and fully compressible off-lattice Boltzmann methods. Journal of Computational Science, 2021, 51, 101355.	2.9	8
378	A Harsh Test of Far-field Scrambling with the Habitable-zone Planet Finder and the Hobbyâ€"Eberly Telescope. Astrophysical Journal, 2021, 912, 15.	4.5	4
379	A tale of two tails: insights from simulations into the formation of the peculiar dwarf galaxy NGC 1427A. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3387-3398.	4.4	5
380	Visualization of Multi-Dimensional Data -- The data-slicer Package. Journal of Open Source Software, 2021, 6, 2969.	4.6	3
381	TASM: A Tile-Based Storage Manager for Video Analytics. , 2021, , .		4
382	MAGNUM survey: Compact jets causing large turmoil in galaxies. Astronomy and Astrophysics, 2021, 648, A17.	5.1	70
383	LOFAR Detection of 110â€"188 MHz Emission and Frequency-dependent Activity from FRB 20180916B. Astrophysical Journal Letters, 2021, 911, L3.	8.3	99
384	seaborn: statistical data visualization. Journal of Open Source Software, 2021, 6, 3021.	4.6	2,553
385	VLA Resolves Unexpected Radio Structures in the Perseus Cluster of Galaxies. Astrophysical Journal, 2021, 911, 56.	4.5	10
386	On dust evolution in planet-forming discs in binary systems â€" I. Theoretical and numerical modelling: radial drift is faster in binary discs. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2235-2252.	4.4	14
388	Characterization of 92 southern <i>TESS</i> candidate planet hosts and a new photometric [Fe/H] relation for cool dwarfs. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5788-5805.	4.4	11
389	Detection of complex organic molecules in young starless core L1521E. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5754-5767.	4.4	17

#	ARTICLE	IF	CITATIONS
390	The CH radical at radio wavelengths: revisiting emission in the 3.3 GHz ground-state lines. Astronomy and Astrophysics, 2021, 650, A133.	5.1	8
393	Mapping Arctic Lake Ice Backscatter Anomalies Using Sentinel-1 Time Series on Google Earth Engine. Remote Sensing, 2021, 13, 1626.	4.0	1
394	Citizen science with colour blindness: A case study on the Forel-Ule scale. PLoS ONE, 2021, 16, e0249755.	2.5	6
396	Investigating Everyday Musical Interaction During COVID-19: An Experimental Procedure for Exploring Collaborative Playlist Engagement. Frontiers in Psychology, 2021, 12, 647967.	2.1	4
397	Progenitor Dependence of Hadron-quark Phase Transition in Failing Core-collapse Supernovae. Astrophysical Journal, 2021, 911, 74.	4.5	14
398	First Demonstration of Early Warning Gravitational-wave Alerts. Astrophysical Journal Letters, 2021, 910, L21.	8.3	33
399	Tail Length Evolution in Deer Mice: Linking Morphology, Behavior, and Function. Integrative and Comparative Biology, 2021, 61, 385-397.	2.0	10
400	A Near-infrared Chemical Inventory of the Atmosphere of 55 Cancri e. Astronomical Journal, 2021, 161, 209.	4.7	13
401	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. Astrophysical Journal, 2021, 911, 109.	4.5	18
402	Oneâ€"Two Quench: A Double Minor Merger Scenario. Astrophysical Journal, 2021, 911, 116.	4.5	9
403	The Mega-MUSCLES Spectral Energy Distribution of TRAPPIST-1. Astrophysical Journal, 2021, 911, 18.	4.5	22
404	Binary pathways to SLSNe-I: SN 2017gci. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 504, L51-L55.	3.3	16
405	LogLog Filter: Filtering Cold Items within a Large Range over High Speed Data Streams. , 2021, , .		9
406	Optimal, near-optimal, and robust epidemic control. Communications Physics, 2021, 4, .	5.3	61
407	<i>ProDy</i> 2.0: increased scale and scope after 10 years of protein dynamics modelling with Python. Bioinformatics, 2021, 37, 3657-3659.	4.1	93
408	Tails: Chasing Comets with the Zwicky Transient Facility and Deep Learning. Astronomical Journal, 2021, 161, 218.	4.7	6
409	Heart rate detection by Fitbit ChargeHR^{â„¢}: A validation study versus portable polysomnography. Journal of Sleep Research, 2021, 30, e13346.	3.2	19
410	COVID-19: Worldwide Profiles during the First 250 Days. Applied Sciences (Switzerland), 2021, 11, 3400.	2.5	6

#	Article	IF	Citations
411	Introducing piXedfit: A Spectral Energy Distribution Fitting Code Designed for Resolved Sources. Astrophysical Journal, Supplement Series, 2021, 254, 15.	7.7	21
414	Deep exploration for continuous gravitational waves at 171â€"172ÂHz in LIGO second observing run data. Physical Review D, 2021, 103, .	4.7	15
415	Transition to turbulence in nonuniform coronal loops driven by torsional AlfvÃ©n waves. Astronomy and Astrophysics, 2021, 648, A22.	5.1	11
417	Widespread premature transcription termination of Arabidopsis thaliana NLR genes by the spen protein FPA. ELife, 2021, 10, .	6.0	36
418	Recovering the origins of the lenticular galaxy NGC 3115 using multiband imaging. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2146-2167.	4.4	8
419	Constructing and analysing dynamic models with modelbase v1.2.3: a software update. BMC Bioinformatics, 2021, 22, 203.	2.6	8
423	Assessing the Formation of Solid Hydrogen Objects in Starless Molecular Cloud Cores. Astrophysical Journal, 2021, 912, 3.	4.5	17
424	Mapping potential signs of gas emissions in ice of Lake Neyto, Yamal, Russia, using synthetic aperture radar and multispectral remote sensing data. Cryosphere, 2021, 15, 1907-1929.	3.9	7
426	Planes of satellites around Milky Way/M31-mass galaxies in the FIRE simulations and comparisons with the Local Group. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1379-1397.	4.4	40
427	3D simulations of photochemical hazes in the atmosphere of hot Jupiter HDÂ189733b. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2783-2799.	4.4	36
428	Parametric system-level models for position-control of novel electromagnetic free flight microactuator. Microelectronics Reliability, 2021, 119, 114062.	1.7	10
429	Pycrash: An Open-Source Tool for Accident Reconstruction. , 0, , .		0
430	The Three Hundred project: dynamical state of galaxy clusters and morphology from multiwavelength synthetic maps. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5383-5400.	4.4	36
431	PINT: A Modern Software Package for Pulsar Timing. Astrophysical Journal, 2021, 911, 45.	4.5	58
435	TATSSI: A Free and Open-Source Platform for Analyzing Earth Observation Products with Quality Data Assessment. ISPRS International Journal of Geo-Information, 2021, 10, 267.	2.9	1
436	Design of coaxial coils using hybrid machine learning. Review of Scientific Instruments, 2021, 92, 045103.	1.3	1
437	Tree-ring-based spring precipitation reconstruction in the Sikhote-Alin' Mountain range. Climate of the Past, 2021, 17, 951-967.	3.4	7
438	Supervised Machine Learning Approach for Detecting Missing Clamps in Rail Fastening System from Differential Eddy Current Measurements. Applied Sciences (Switzerland), 2021, 11, 4018.	2.5	15

#	Article	IF	Citations
439	MR. Estimator, a toolbox to determine intrinsic timescales from subsampled spiking activity. PLoS ONE, 2021, 16, e0249447.	2.5	12
440	CentTracker: a trainable, machine-learning‒based tool for large-scale analyses of <i>Caenorhabditis elegans</i> germline stem cell mitosis. Molecular Biology of the Cell, 2021, 32, 915-930.	2.1	3
441	Soft Sensor Development for Real-Time Process Monitoring of Multidimensional Fractionation in Tubular Centrifuges. Nanomaterials, 2021, 11, 1114.	4.1	9
442	MERGHERS pilot: MeerKAT discovery of diffuse emission in nine massive Sunyaev‒Zel'dovich-selected galaxy clusters from ACT. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1749-1758.	4.4	9
443	Select Applications of Bayesian Data Analysis and Machine Learning to Flow Problems. Nihon Reoroji Gakkaishi, 2021, 49, 97-113.	1.0	4
444	A Web-based Dose-volume Histogram Dashboard for Library-based Individualized Dose-constraints and Clinical Plan Evaluation. Journal of Medical Systems, 2021, 45, 62.	3.6	2
446	D-Piper, a modified piper diagram to represent big sets of hydrochemical analyses. Environmental Modelling and Software, 2021, 138, 104979.	4.5	9
447	Design of Nucleic Acid Biosensors Based on CRISPR/Cas Systems and Reporter Split Proteins. Moscow University Biological Sciences Bulletin, 2021, 76, 52-58.	0.7	2
448	The GALAH Survey: using galactic archaeology to refine our knowledge of <i>TESS</i> target stars. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4968-4989.	4.4	9
449	Milky Way archaeology using RR Lyrae and type II Cepheids. Astronomy and Astrophysics, 2021, 648, A78.	5.1	10
450	PyKrev: A Python Library for the Analysis of Complex Mixture FT-MS Data. Journal of the American Society for Mass Spectrometry, 2021, 32, 1263-1267.	2.8	11
451	Orbital Solutions of the New Low-mass Eclipsing Binary TIC 157376469 with Spotted Activities. Publications of the Astronomical Society of the Pacific, 2021, 133, 044202.	3.1	4
452	The GOGREEN survey: Internal dynamics of clusters of galaxies at redshift 0.9‒1.4. Astronomy and Astrophysics, 2021, 650, A105.	5.1	9
453	Single Particle Multipole Expansions From Micromagnetic Tomography. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009663.	2.5	7
454	Open-source deep-learning software for bioimage segmentation. Molecular Biology of the Cell, 2021, 32, 823-829.	2.1	50
455	Towards Data Driven Failure Analysis Using Infrared Thermography. , 2021, , .		4
457	Four-dimensional NOE-NOE spectroscopy of SARS-CoV-2 Main Protease to facilitate resonance assignment and structural analysis. Magnetic Resonance, 2021, 2, 129-138.	1.9	3
458	Statistical Analysis on the Structural Size of Simulated Thin Film Growth with Molecular Dynamics for Glancing Angle Incidence Deposition. Coatings, 2021, 11, 469.	2.6	2

#	Article	IF	Citations
459	kallisto: A command-line interface to simplify computational modelling and the generation of atomic features. Journal of Open Source Software, 2021, 6, 3050.	4.6	3
460	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). I. Ultraviolet to Infrared Photometry of 22 Million Stars in M33. Astrophysical Journal, Supplement Series, 2021, 253, 53.	7.7	30
461	Protamine Characterization by Top-Down Proteomics: Boosting Proteoform Identification with DBSCAN. Proteomes, 2021, 9, 21.	3.5	7
462	Hyperspectral Data Simulation (Sentinel-2 to AVIRIS-NG) for Improved Wildfire Fuel Mapping, Boreal Alaska. Remote Sensing, 2021, 13, 1693.	4.0	10
463	Mass Ejection in Failed Supernovae: Equation of State and Neutrino Loss Dependence. Astrophysical Journal, 2021, 911, 6.	4.5	20
465	Software implemented fault diagnosis of natural gas pumping unit based on feedforward neural network. Eastern-European Journal of Enterprise Technologies, 2021, 2, 99-109.	0.5	1
467	The SAMI Galaxy Survey: stellar population and structural trends across the Fundamental Plane. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5098-5130.	4.4	30
468	The stellar mass function and evolution of the density profile of galaxy clusters from the Hydrangea simulations at 0 < <i>z</i> < 1.5. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1999-2013.	4.4	10
469	Close encounters with the Death Star: Interactions between collapsed bodies and the Solar System. Astronomy and Astrophysics, 2021, 648, L2.	5.1	1
470	Time and space in segmentation. Interface Focus, 2021, 11, 20200049.	3.0	10
471	Regional Policies Targeting Residential Solid Fuel and Agricultural Emissions Can Improve Air Quality and Public Health in the Greater Bay Area and Across China. GeoHealth, 2021, 5, e2020GH000341.	4.0	9
472	Evaluating seismic beamforming capabilities of distributed acoustic sensing arrays. Solid Earth, 2021, 12, 915-934.	2.8	42
473	Towards Automating Search and Classification of Protostellar Images. , 2021, , .		0
474	Bekenstein-Hod Universal Bound on Information Emission Rate Is Obeyed by LIGO-Virgo Binary Black Hole Remnants. Physical Review Letters, 2021, 126, 161102.	7.8	15
475	Hoinga: a supernova remnant discovered in the SRG/eROSITA All-Sky Survey eRASS1. Astronomy and Astrophysics, 2021, 648, A30.	5.1	15
476	The Hawaii Infrared Parallax Program. V. New T-dwarf Members and Candidate Members of Nearby Young Moving Groups. Astrophysical Journal, 2021, 911, 7.	4.5	22
477	Bias free multiobjective active learning for materials design and discovery. Nature Communications, 2021, 12, 2312.	12.8	78
478	Democratising deep learning for microscopy with ZeroCostDL4Mic. Nature Communications, 2021, 12, 2276.	12.8	295

#	Article	IF	Citations
479	Outflows from Super Star Clusters in the Central Starburst of NGC 253. Astrophysical Journal, 2021, 912, 4.	4.5	16
480	Good and proper: self-similarity of <i>N</i>-body simulations with proper force softening. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3550-3560.	4.4	12
481	Modeling the ringdown from precessing black hole binaries. Physical Review D, 2021, 103, .	4.7	24
482	Sensor Agnostic Semantic Segmentation of Structurally Diverse and Complex Forest Point Clouds Using Deep Learning. Remote Sensing, 2021, 13, 1413.	4.0	33
484	deepCR on ACS/WFC: Cosmic-Ray Rejection for HST ACS/WFC Photometry. Research Notes of the AAS, 2021, 5, 98.	0.7	2
485	Tumbling Dice: Radio Constraints on the Presence of Circumstellar Shells around Type Ia Supernovae with Impact Near Maximum Light. Astrophysical Journal, 2021, 912, 23.	4.5	5
486	Dynamic Interfacial Reaction Rates from Electrochemistry–Mass Spectrometry. Analytical Chemistry, 2021, 93, 7022-7028.	6.5	5
487	The XZZX surface code. Nature Communications, 2021, 12, 2172.	12.8	94
489	Revisiting Rotation Measures from the Canadian Galactic Plane Survey: the Magnetic Field in the Disk of the Outer Galaxy. Astrophysical Journal, Supplement Series, 2021, 253, 48.	7.7	6
490	The Kinematics of z ≳ 6 Quasar Host Galaxies. Astrophysical Journal, 2021, 911, 141.	4.5	62
492	NusG is an intrinsic transcription termination factor that stimulates motility and coordinates gene expression with NusA. ELife, 2021, 10, .	6.0	27
493	Searching for GeV-scale Majorana Dark Matter: inter spem et metum. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
494	Microscope-Cockpit: Python-based bespoke microscopy for bio-medical science. Wellcome Open Research, 0, 6, 76.	1.8	4
495	Water Ice Cloud Variability and Multi-epoch Transmission Spectra of TRAPPIST-1e. Astrophysical Journal Letters, 2021, 911, L30.	8.3	20
496	Synthetic RGB photometry of bright stars: definition of the standard photometric system and UCM library of spectrophotometric spectra. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3730-3748.	4.4	15
497	Revealing the physical properties of gas accreting to haloes in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5702-5725.	4.4	24
498	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. MSystems, 2021, 6, .	3.8	36
499	Real-time observation of structure and dynamics during the liquid-to-solid transition of FUS LC. Biophysical Journal, 2021, 120, 1276-1287.	0.5	33

#	Article	IF	Citations
501	*Gaia* Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
502	SiCaSMA: An Alternative Stochastic Description via Concatenation of Markov Processes for a Class of Catalytic Systems. Mathematics, 2021, 9, 1074.	2.2	2
504	The Role of Adaptive Ray Tracing in Analyzing Black Hole Structure. Astrophysical Journal, 2021, 912, 39.	4.5	13
507	Deep Learning for Detection of Visible Land Boundaries from UAV Imagery. Remote Sensing, 2021, 13, 2077.	4.0	8
508	*MAP2XANES*: a Jupyter interactive notebook for elemental mapping and XANES speciation. Journal of Synchrotron Radiation, 2021, 28, 1245-1252.	2.4	1
509	Jas4pp â€" A data-analysis framework for physics and detector studies. Computer Physics Communications, 2021, 262, 107857.	7.5	0
510	Deep Learning Improves the Temporal Reproducibility of Aortic Measurement. Journal of Digital Imaging, 2021, 34, 1183-1189.	2.9	5
512	Random sub-diffusion and capture of genes by the nuclear pore reduces dynamics and coordinates inter-chromosomal movement. ELife, 2021, 10, .	6.0	9
513	Rapid T-cell receptor interaction grouping with ting. Bioinformatics, 2021, 37, 3444-3448.	4.1	1
514	The origin of metal-poor stars on prograde disc orbits in FIRE simulations of Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 921-938.	4.4	21
515	Matching Globular Cluster Models to Observations. Astrophysical Journal, 2021, 912, 102.	4.5	14
516	Stellar, Gas, and Dust Emission of Star-forming Galaxies out to z â^¼ 2. Astrophysical Journal, 2021, 913, 34.	4.5	6
517	Chemodynamically Characterizing the Jhelum Stellar Stream with APOGEE-2. Astrophysical Journal, 2021, 913, 39.	4.5	3
519	Inconsistencies arising from the coupling of galaxy formation sub-grid models to pressure-smoothed particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2316-2327.	4.4	8
520	Efficient and Accurate Potential Energy Surfaces of Puckering in Sugar-Modified Nucleosides. Journal of Chemical Theory and Computation, 2021, 17, 3814-3823.	5.3	7
521	Four-dimensional imaging and free-energy analysis of sudden pore-filling events in wicking of yarns. Physical Review E, 2021, 103, 053101.	2.1	9
522	Predihood: an open-source tool for predicting neighbourhoods' information. Journal of Open Source Software, 2021, 6, 2805.	4.6	0
523	Survival of ALMA rings in the absence of pressure maxima. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1162-1179.	4.4	15

#	Article	IF	Citations
524	PyPortfolioOpt: portfolio optimization in Python. Journal of Open Source Software, 2021, 6, 3066.	4.6	13
528	Modelling changes in healthcare demand through geographic data extrapolation. Health Systems, 0, , 1-17.	1.2	0
529	Modeling chemistry during star formation: water deuteration in dynamic star-forming regions. Astronomy and Astrophysics, 2021, 649, A66.	5.1	10
530	Structures of a non-ribosomal peptide synthetase condensation domain suggest the basis of substrate selectivity. Nature Communications, 2021, 12, 2511.	12.8	53
531	Parallelized Instantaneous Velocity and Heading Estimation of Objects using Single Imaging Radar. , 2021, , .		1
532	A retrospective cohort study of 12,306 pediatric COVID-19 patients in the United States. Scientific Reports, 2021, 11, 10231.	3.3	83
534	Extracellular Matrix Alignment Directs Provisional Matrix Assembly and Three Dimensional Fibrous Tissue Closure. Tissue Engineering - Part A, 2021, , .	3.1	5
535	Liver fibrosis staging by deep learning: a visual-based explanation of diagnostic decisions of the model. European Radiology, 2021, 31, 9620-9627.	4.5	23
536	Identifying Planetary Transit Candidates in TESS Full-frame Image Light Curves via Convolutional Neural Networks. Astronomical Journal, 2021, 161, 273.	4.7	10
537	Common pathways and functional profiles reveal underlying patterns in Breast, Kidney and Lung cancers. Biology Direct, 2021, 16, 9.	4.6	7
538	Poking Holes: Looking for Gaps in LIGO/Virgoâ€™s Black Hole Population. Astrophysical Journal Letters, 2021, 913, L23.	8.3	20
539	Monitoring precipitable water vapour in near real-time to correct near-infrared observations using satellite remote sensing. Astronomy and Astrophysics, 2021, 649, A132.	5.1	6
540	FIRESONG: A python package to simulate populations of extragalactic neutrino sources. Journal of Open Source Software, 2021, 6, 3194.	4.6	5
541	The SAMI Galaxy Survey: a statistical approach to an optimal classification of stellar kinematics in galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3078-3106.	4.4	22
543	When Are LIGO/Virgoâ€™s Big Black Hole Mergers?. Astrophysical Journal, 2021, 912, 98.	4.5	48
544	PEPPRO: quality control and processing of nascent RNA profiling data. Genome Biology, 2021, 22, 155.	8.8	17
545	Robotic integration enables autonomous operation of laboratory scale stirred tank bioreactors with modelâ€driven process analysis. Biotechnology and Bioengineering, 2021, 118, 2759-2769.	3.3	10
546	Mining and exploring electronic word-of-mouth from Twitter: case of the Java Jazz Festival. Journal of Hospitality and Tourism Technology, 2021, 12, 341-354.	3.8	6

#	ARTICLE	IF	CITATIONS
549	Strongly lensed supernovae as a self-sufficient probe of the distance duality relation. Physics of the Dark Universe, 2021, 32, 100824.	4.9	7
550	Constraining black hole feedback in galaxy clusters from X-ray power spectra. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4646-4654.	4.4	4
551	Photometric cross-calibration of the SDSS Stripe 82 Standard Stars catalogue with Gaia EDR3, and comparison with Pan-STARRS1, DES, CFIS, and *GALEX* catalogues. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5941-5956.	4.4	17
552	Lattice continuum-limit study of nucleon parton quasidistribution functions. Physical Review D, 2021, 103, .	4.7	32
554	Laboratory Landquakes: Insights From Experiments Into the High‐Frequency Seismic Signal Generated by Geophysical Granular Flows. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006172.	2.8	8
555	Advanced Monte Carlo simulations of emission tomography imaging systems with GATE. Physics in Medicine and Biology, 2021, 66, 10TR03.	3.0	82
556	Machine learning pipeline for quantum state estimation with incomplete measurements. Machine Learning: Science and Technology, 2021, 2, 035014.	5.0	14
557	Bandwidth and stability of the stochastic parallel gradient descent algorithm for phase control in coherent beam combination. Applied Optics, 2021, 60, 4366.	1.8	5
558	The active centaur 2020 MK$_4$. Astronomy and Astrophysics, 2021, 649, A85.	5.1	8
559	Mirror Self-Recognition in Pigeons: Beyond the Pass-or-Fail Criterion. Frontiers in Psychology, 2021, 12, 669039.	2.1	7
560	A Model for the Optimal Investment Strategy in the Context of Pandemic Regional Lockdown. Mathematics, 2021, 9, 1058.	2.2	6
561	Testing new physics models with global comparisons to collider measurements: the Contur toolkit. SciPost Physics Core, 2021, 4, .	2.8	15
562	An Analysis of Redundancy in High Volume High Mix Quality Testing Systems in Electronics Production. , 2021, , .		0
563	The Fundamental Plane in the LEGA-C Survey: Unraveling the M/L Ratio Variations of Massive Star-forming and Quiescent Galaxies at z ∼ 0.8. Astrophysical Journal, 2021, 913, 103.	4.5	19
565	The HETDEX Survey: The Lyα Escape Fraction from 3D-HST Emission-Line Galaxies at z ∼ 2. Astrophysical Journal, 2021, 912, 100.	4.5	11
566	Investigating Clumpy Galaxies in the Sloan Digital Sky Survey Stripe 82 Using the Galaxy Zoo. Astrophysical Journal, 2021, 912, 49.	4.5	7
567	Resolving the Hot Dust Disk of ESO323-G77. Astrophysical Journal, 2021, 912, 96.	4.5	10
568	Measuring the Mass and Concentration of Dark Matter Halos from the Velocity Dispersion Profile of their Stars. Astrophysical Journal, 2021, 912, 114.	4.5	4

#	Article	IF	Citations
569	Causal discovery using compression-complexity measures. Journal of Biomedical Informatics, 2021, 117, 103724.	4.3	3
570	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. Astronomical Journal, 2021, 161, 278.	4.7	9
571	Autonomous Development of a Machine-Learning Model for the Plastic Response of Two-Phase Composites from Micromechanical Finite Element Models. Jom, 2021, 73, 2085-2095.	1.9	15
572	Standardized and reproducible measurement of decision-making in mice. ELife, 2021, 10, .	6.0	88
574	FPCAM: Floating Point Configurable Approximate Multiplier for Error Resilient Applications. , 2021, , .		2
576	Optimal design of adaptively sampled NMR experiments for measurement of methyl group dynamics with application to a ribosome-nascent chain complex. Journal of Magnetic Resonance, 2021, 326, 106937.	2.1	12
577	I Spy Transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility. Astrophysical Journal, 2021, 912, 125.	4.5	60
578	SIGLEC1 (CD169): a marker of active neuroinflammation in the brain but not in the blood of multiple sclerosis patients. Scientific Reports, 2021, 11, 10299.	3.3	14
579	Stellar Population Inference with Prospector. Astrophysical Journal, Supplement Series, 2021, 254, 22.	7.7	259
580	The Intrinsic Scatter of Galaxy Scaling Relations. Astrophysical Journal, 2021, 912, 41.	4.5	19
581	CMB lensing power spectrum estimation without instrument noise bias. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 028.	5.4	7
582	Programming Metasurface Nearâ€Fields for Nanoâ€Optical Sensing. Advanced Optical Materials, 2021, 9, 2100435.	7.3	6
583	A Digital Twin for Friction Prediction in Dynamic Rubber Applications with Surface Textures. Lubricants, 2021, 9, 57.	2.9	12
585	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. Astrophysical Journal, 2021, 913, 57.	4.5	6
587	Statistical Emulation of Winter Ambient Fine Particulate Matter Concentrations From Emission Changes in China. GeoHealth, 2021, 5, e2021GH000391.	4.0	12
588	Pulsar candidate identification using semi-supervised generative adversarial networks. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1180-1194.	4.4	17
589	Finding empty volumes inside 3D models of storage furniture. , 2021, , .		1
590	Normal Mode Analysis of KRas4B Reveals Partner Specific Dynamics. Journal of Physical Chemistry B, 2021, 125, 5210-5221.	2.6	7

#	Article	IF	Citations
592	MVFNet: A multi-view fusion network for pain intensity assessment in unconstrained environment. Biomedical Signal Processing and Control, 2021, 67, 102537.	5.7	8
593	Drivers of Atmospheric and Oceanic Surface Temperature Variance: A Frequency Domain Approach. Journal of Climate, 2021, 34, 3975-3990.	3.2	3
594	RVAgene: generative modeling of gene expression time series data. Bioinformatics, 2021, 37, 3252-3262.	4.1	10
595	Observational Signatures of Cosmic-Ray Interactions in Molecular Clouds. Astrophysical Journal, 2021, 913, 52.	4.5	15
596	Uncertain times: the redshift–time relation from cosmology and stars. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2764-2783.	4.4	26
597	A search for pulsar companions around low-mass white dwarfs. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4981-4988.	4.4	2
598	Position-dependent Voronoi probability distribution functions for matter and halos. Physical Review D, 2021, 103, .	4.7	1
600	Monitoring of Natural Occurrence and Severity of Leaf and Glume Blotch Diseases of Winter Wheat and Winter Triticale Incited by Necrotrophic Fungi Parastagonospora spp. and Zymoseptoria tritici. Agronomy, 2021, 11, 967.	3.0	4
602	Spatiotemporal control of cell cycle acceleration during axolotl spinal cord regeneration. ELife, 2021, 10, .	6.0	24
604	Finding Equilibria in the Traffic Assignment Problem with Primal-Dual Gradient Methods for Stable Dynamics Model and Beckmann Model. Mathematics, 2021, 9, 1217.	2.2	4
606	Classification of abrupt changes along viewing profiles of scientific articles. Journal of Informetrics, 2021, 15, 101158.	2.9	0
607	The Breakthrough Listen Search for Intelligent Life: Searching for Technosignatures in Observations of TESS Targets of Interest. Astronomical Journal, 2021, 161, 286.	4.7	19
608	Design of a Light-weight Natural Scene Text Detection System. , 2021, , .		1
609	Potential and sky coverage for off-axis fringe tracking in optical long baseline interferometry. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1364-1388.	4.4	3
610	The cosmology dependence of galaxy clustering and lensing from a hybrid N-body–perturbation theory model. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1422-1440.	4.4	50
611	Fast at-line characterization of solid organic waste: Comparing analytical performance of different compact near infrared spectroscopic systems with different measurement configurations. Waste Management, 2021, 126, 664-673.	7.4	9
612	Tidal tails in the disintegrating open cluster NGCÂ752. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1607-1613.	4.4	15
613	Inverse Modeling of Thermal Decomposition of Flame-Retardant PET Fiber with Model-Free Coupled with Particle Swarm Optimization Algorithm. ACS Omega, 2021, 6, 13626-13636.	3.5	2

#	ARTICLE	IF	CITATIONS
614	Evaluation of Visible Infrared Imaging Radiometer Suite (VIIRS) neural network cloud detection against current operational cloud masks. Atmospheric Measurement Techniques, 2021, 14, 3371-3394.	3.1	6
615	Resolving the Complex Evolution of a Supermassive Black Hole Triplet in a Cosmological Simulation. Astrophysical Journal Letters, 2021, 912, L20.	8.3	14
616	sparse-growth-curve: a Computational Pipeline for Parsing Cellular Growth Curves with Low Temporal Resolution. Microbiology Resource Announcements, 2021, 10, .	0.6	9
617	System-level Fractionation of Carbon from Disk and Planetesimal Processing. Astrophysical Journal Letters, 2021, 913, L20.	8.3	18
618	A Refined Model of Convectively Driven Flicker in Kepler Light Curves. Astrophysical Journal, 2021, 913, 69.	4.5	3
619	Calculation of Berry curvature using non-orthogonal atomic orbitals. Journal of Physics Condensed Matter, 2021, 33, 325503.	1.8	5
620	Radio afterglows from compact binary coalescences: prospects for next-generation telescopes. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2647-2661.	4.4	8
621	Dynamically produced moving groups in interacting simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2561-2574.	4.4	3
622	Revealing the Local Cosmic Web from Galaxies by Deep Learning. Astrophysical Journal, 2021, 913, 76.	4.5	13
623	APIScanner - Towards Automated Detection of Deprecated APIs in Python Libraries. , 2021, , .		6
624	A new active learning approach for global optimization of atomic clusters. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	12
625	Simple Python Module for Conversions Between DICOM Images and Radiation Therapy Structures, Masks, and Prediction Arrays. Practical Radiation Oncology, 2021, 11, 226-229.	2.1	27
626	Curvit: An open-source Python package to generate light curves from UVIT data. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	3
630	The Dark World: A Tale of WASP-43b in Reflected Light with HST WFC3/UVIS. Astronomical Journal, 2021, 161, 269.	4.7	13
633	A Dual Approach for Preventing Blackhole Attacks in Vehicular Ad Hoc Networks Using Statistical Techniques and Supervised Machine Learning. , 2021, , .		6
634	Deep learning approach for identification of Hii regions during reionization in 21-cm observations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3982-3997.	4.4	16
635	Reconstructing the Extreme Ultraviolet Emission of Cool Dwarfs Using Differential Emission Measure Polynomials. Astrophysical Journal, 2021, 913, 40.	4.5	20
636	A city of cities: Measuring how 15-minutes urban accessibility shapes human mobility in Barcelona. PLoS ONE, 2021, 16, e0250080.	2.5	43

#	ARTICLE	IF	CITATIONS
637	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. Astronomical Journal, 2021, 161, 287.	4.7	17
639	Relevance of Drift Components and Unit-to-Unit Variability in the Predictive Maintenance of Low-Cost Electrochemical Sensor Systems in Air Quality Monitoring. Sensors, 2021, 21, 3298.	3.8	13
640	Variational Autoencoder for Image-Based Augmentation of Eye-Tracking Data. Journal of Imaging, 2021, 7, 83.	3.0	32
641	Semi-Supervised Classification of the State of Operation in Self-Lubricating Journal Bearings Using a Random Forest Classifier. Lubricants, 2021, 9, 50.	2.9	14
642	Shallow Bathymetry from Multiple Sentinel 2 Images via the Joint Estimation of Wave Celerity and Wavelength. Remote Sensing, 2021, 13, 2149.	4.0	7
643	Cloud busting: enstatite and quartz clouds in the atmosphere of 2M2224-0158. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1944-1961.	4.4	39
645	An upper limit for the growth of inner planets?. Monthly Notices of the Royal Astronomical Society, 2021, 505, 869-888.	4.4	3
646	Advances in Atypical FT-IR Milk Screening: Combining Untargeted Spectra Screening and Cluster Algorithms. Foods, 2021, 10, 1111.	4.3	1
647	Probing new light gauge bosons with gravitational-wave interferometers using an adapted semicoherent method. Physical Review D, 2021, 103, .	4.7	18
648	Variational quantum simulations of stochastic differential equations. Physical Review A, 2021, 103, .	2.5	22
649	Multiwavelength Follow-up of FRB180309. Astrophysical Journal, 2021, 913, 78.	4.5	2
651	The RR Lyrae Delay-time Distribution: A Novel Perspective on Models of Old Stellar Populations. Astrophysical Journal, 2021, 912, 140.	4.5	3
652	Promise and Challenges of a Data-Driven Approach for Battery Lifetime Prognostics. , 2021, , .		3
653	Optimal computation of anisotropic galaxy three point correlation function multipoles using 2DFFTLOG formalism. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 035.	5.4	9
654	Photometric Variability as a Proxy for Magnetic Activity and Its Dependence on Metallicity. Astrophysical Journal, 2021, 912, 127.	4.5	23
655	Science Storms the Cloud. AGU Advances, 2021, 2, e2020AV000354.	5.4	19
656	3D-M3: high-spatial-resolution spectroscopy with extreme AO and 3D-printed micro-lenslets. Applied Optics, 2021, 60, D108.	1.8	4
657	A Critical Examination of the Mottâ€"Schottky Model of Grain-Boundary Space-Charge Layers in Oxide-Ion Conductors. Journal of the Electrochemical Society, 2021, 168, 056504.	2.9	12

#	Article	IF	Citations
659	Implementation of the Freely Jointed Chain Model to Assess Kinetics and Thermodynamics of Thermosensitive Coil–Globule Transition by Markov States. Journal of Physical Chemistry B, 2021, 125, 4898-4909.	2.6	4
660	SolTranNet–A Machine Learning Tool for Fast Aqueous Solubility Prediction. Journal of Chemical Information and Modeling, 2021, 61, 2530-2536.	5.4	35
661	Undetected Binary Stars Cause an Observed Mass-dependent Age Gradient in Upper Scorpius. Astrophysical Journal, 2021, 912, 137.	4.5	24
662	Spectral index of the Galactic foreground emission in the 50–87 MHz range. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1575-1588.	4.4	13
663	ASHLEY: A New Empirical Model for the High‐Latitude Electron Precipitation and Electric Field. Space Weather, 2021, 19, e2020SW002671.	3.7	17
664	FoldAffinity: binding affinities from nDSF experiments. Scientific Reports, 2021, 11, 9572.	3.3	28
665	Learned Embeddings from Deep Learning to Visualize and Predict Protein Sets. Current Protocols, 2021, 1, e113.	2.9	61
666	An Efficient and General Framework for Aerial Point Cloud Classification in Urban Scenarios. Remote Sensing, 2021, 13, 1985.	4.0	10
667	Ethoflow: Computer Vision and Artificial Intelligence-Based Software for Automatic Behavior Analysis. Sensors, 2021, 21, 3237.	3.8	16
668	Comparing machine learning algorithms for predicting ICU admission and mortality in COVID-19. Npj Digital Medicine, 2021, 4, 87.	10.9	97
669	The GALAH Survey: No Chemical Evidence of an Extragalactic Origin for the Nyx Stream. Astrophysical Journal Letters, 2021, 912, L30.	8.3	7
670	Technical Note: SpekPy v2.0–a software toolkit for modeling x‐ray tube spectra. Medical Physics, 2021, 48, 3630-3637.	3.0	41
671	Sensitivity Analysis of Emission Models of Parcel Lockers vs. Home Delivery Based on HBEFA. International Journal of Environmental Research and Public Health, 2021, 18, 6325.	2.6	22
672	Aurora: A Generalized Retrieval Framework for Exoplanetary Transmission Spectra. Astrophysical Journal, 2021, 913, 114.	4.5	25
673	ordpy: A Python package for data analysis with permutation entropy and ordinal network methods. Chaos, 2021, 31, 063110.	2.5	27
674	On the Use of a Multimodal Optimizer for Fitting Neuron Models. Application to the Cerebellar Granule Cell. Frontiers in Neuroinformatics, 2021, 15, 663797.	2.5	3
675	The Time Delay Distribution and Formation Metallicity of LIGO-Virgo's Binary Black Holes. Astrophysical Journal Letters, 2021, 914, L30.	8.3	25
677	Python Packages for Exploratory Factor Analysis. Structural Equation Modeling, 2021, 28, 983-988.	3.8	10

#	ARTICLE	IF	CITATIONS
679	Protease-mediated processing of Argonaute proteins controls small RNA association. Molecular Cell, 2021, 81, 2388-2402.e8.	9.7	13
680	Globular cluster numbers in dark matter haloes in a dual formation scenario: an empirical model within <scp>emerge</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5815-5832.	4.4	9
682	Distributed and vectorized method of characteristics for fast transient simulations in water distribution systems. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 163-184.	9.8	5
683	Successful ATAC-Seq From Snap-Frozen Equine Tissues. Frontiers in Genetics, 2021, 12, 641788.	2.3	8
684	NPBench. , 2021, , .		13
686	Contiguous erosion of the inactive X in human pluripotency concludes with global DNA hypomethylation. Cell Reports, 2021, 35, 109215.	6.4	11
687	MLatom 2: An Integrative Platform for Atomistic Machine Learning. Topics in Current Chemistry, 2021, 379, 27.	5.8	38
688	Hydroelectric Power-Plant Simulator Implemented in Python. , 2021, , .		1
689	Multidimensional analysis and detection of informative features in human brain white matter. PLoS Computational Biology, 2021, 17, e1009136.	3.2	14
690	Processing single-cell RNA-seq data for dimension reduction-based analyses using open-source tools. STAR Protocols, 2021, 2, 100450.	1.2	8
691	Weighing the Galactic disk using phase-space spirals. Astronomy and Astrophysics, 2021, 650, A124.	5.1	11
692	Application of Distributed Agent-based Modeling to Investigate Opioid Use Outcomes in Justice Involved Populations. , 2021, , .		2
693	Semen quality and windows of susceptibility: A case study during COVID-19 outbreak in China. Environmental Research, 2021, 197, 111085.	7.5	14
694	Redox Hysteresis of Super-Earth Exoplanets from Magma Ocean Circulation. Astrophysical Journal Letters, 2021, 914, L4.	8.3	16
695	The integrated three-point correlation function of cosmic shear. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2780-2803.	4.4	17
696	Galaxy flybys: evolution of the bulge, disc, and spiral arms. Monthly Notices of the Royal Astronomical Society, 2021, 506, 98-114.	4.4	7
697	Structured learning of rigidâ€body dynamics: A survey and unified view from a robotics perspective. GAMM Mitteilungen, 2021, 44, e202100009.	5.5	8
698	GeoGraph. Operating Systems Review (ACM), 2021, 55, 38-46.	1.9	9

#	Article	IF	Citations
699	Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1. Astrophysical Journal, Supplement Series, 2021, 255, 6.	7.7	18
700	On the Correlation between Hot Jupiters and Stellar Clustering: High-eccentricity Migration Induced by Stellar Flybys. Astrophysical Journal, 2021, 913, 104.	4.5	21
701	pyTFM: A tool for traction force and monolayer stress microscopy. PLoS Computational Biology, 2021, 17, e1008364.	3.2	23
703	Multiwavelength view of SPT-CL J2106-5844. Astronomy and Astrophysics, 2021, 650, A153.	5.1	5
704	Natural Language Processing and Assessment of Resident Feedback Quality. Journal of Surgical Education, 2021, 78, e72-e77.	2.5	18
705	Distinct Profiles of 50 kHz Vocalizations Differentiate Between Social Versus Non-social Reward Approach and Consumption. Frontiers in Behavioral Neuroscience, 2021, 15, 693698.	2.0	8
706	Ordu Kent Merkezindeki Yaya Dostu Bölgelerin Yaya Çevre İndisi Kullanılarak Belirlenmesi. Kent Akademisi, 2021, 14, 468-481.	0.6	0
707	kMap.py: A Python program for simulation and data analysis in photoemission tomography. Computer Physics Communications, 2021, 263, 107905.	7.5	13
708	Classical variational simulation of the Quantum Approximate Optimization Algorithm. Npj Quantum Information, 2021, 7, .	6.7	42
709	Geonomics: Forward-Time, Spatially Explicit, and Arbitrarily Complex Landscape Genomic Simulations. Molecular Biology and Evolution, 2021, 38, 4634-4646.	8.9	15
710	Sample size estimation in locomotion kinematics and electromyography for statistical parametric mapping. Journal of Biomechanics, 2021, 122, 110481.	2.1	11
711	Statistical Approach to Incorporating Experimental Variability into a Mathematical Model of the Voltage-Gated Na+ Channel and Human Atrial Action Potential. Cells, 2021, 10, 1516.	4.1	0
712	Efficiently Cooled Stellar Wind Bubbles in Turbulent Clouds. I. Fractal Theory and Application to Star-forming Clouds. Astrophysical Journal, 2021, 914, 89.	4.5	62
713	Climatology of Convective Storms in Estonia from Radar Data and Severe Convective Environments. Remote Sensing, 2021, 13, 2178.	4.0	4
714	Going Forward with the Nancy Grace Roman Space Telescope Transient Survey: Validation of Precision Forward-modeling Photometry for Undersampled Imaging. Publications of the Astronomical Society of the Pacific, 2021, 133, 064001.	3.1	6
715	Detailed traveltime tomography and seismic catalogue around the 2019 <i>M</i>w7.1 Ridgecrest, California, earthquake using dense rapid-response seismic data. Geophysical Journal International, 2021, 227, 204-227.	2.4	17
716	Efficient description of experimental effects in amplitude analyses. Journal of Instrumentation, 2021, 16, P06016.	1.2	6
717	s(ound)lab: An easy to learn Python package for designing and running psychoacoustic experiments.. Journal of Open Source Software, 2021, 6, 3284.	4.6	0

#	Article	IF	Citations
718	Peculiar orbits and asymmetries in extreme trans-Neptunian space. Monthly Notices of the Royal Astronomical Society, 2021, 506, 633-649.	4.4	5
720	Virgo: A Versatile Spectrometer for Radio Astronomy. Journal of Open Source Software, 2021, 6, 3067.	4.6	0
721	Efficient Detection of Longitudinal Bacteria Fission Using Transfer Learning in Deep Neural Networks. Frontiers in Microbiology, 2021, 12, 645972.	3.5	3
722	88. Approach for modeling single branches of meadow orchard trees with 3D point clouds. , 2021, , .		3
723	Exceptional Points in Flat Optics: A Non-Hermitian Line-Wave Scenario. Physical Review Applied, 2021, 15, .	3.8	11
724	Optical calibration and first light for the deformable mirror demonstration mission CubeSat (DeMi). Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	7
725	Neural tube patterning: From a minimal model for rostrocaudal patterning toward an integrated 3D model. IScience, 2021, 24, 102559.	4.1	1
726	A Pragmatic Machine Learning Model To Predict Carbapenem Resistance. Antimicrobial Agents and Chemotherapy, 2021, 65, e0006321.	3.2	11
727	Mitogenomics and Evolutionary History of Rodent Whipworms (Trichuris spp.) Originating from Three Biogeographic Regions. Life, 2021, 11, 540.	2.4	2
729	High-ionization emission-line ratios from quasar broad-line regions: metallicity or density?. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3247-3259.	4.4	12
730	Enhancing modified gravity detection from gravitational-wave observations using the parametrized ringdown spin expansion coeffcients formalism. Physical Review D, 2021, 103, .	4.7	24
731	Andromeda XXI â€“ a dwarf galaxy in a low-density dark matter halo. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5686-5701.	4.4	20
732	The Strength and Structure of the Magnetic Field in the Galactic Outflow of Messier 82. Astrophysical Journal, 2021, 914, 24.	4.5	21
734	uvgVenctester. , 2021, , .		7
735	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. Physical Review D, 2021, 103, .	4.7	338
738	Fast, computerâ€assisted detection of dust and debris impact craters on Stardust interstellar foils. Meteoritics and Planetary Science, 2021, 56, 944.	1.6	0
740	EarthNet2021: A large-scale dataset and challenge for Earth surface forecasting as a guided video prediction task. , 2021, , .		14
741	IGRINS RV: A Python Package for Precision Radial Velocities with Near-Infrared Spectra. Journal of Open Source Software, 2021, 6, 3095.	4.6	3

#	ARTICLE	IF	CITATIONS
742	Microaerobic growthâ€decoupled production of Î±â€ketoglutarate and succinate from xylose in a oneâ€pot process using <i>CorynebacteriumÂglutamicum</i>. Biotechnology Journal, 2021, 16, e2100043.	3.5	10
743	Assortativity and Bias in Epidemiologic Studies of Contagious Outcomes: A Simulated Example in the Context of Vaccination. American Journal of Epidemiology, 2021, 190, 2442-2452.	3.4	5
744	Rotational variation in the chemically peculiar B0 star Î¸Car as seen by <i>TESS</i>. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5725-5730.	4.4	1
745	Galaxy clustering in harmonic space from the dark energy survey year 1 data: compatibility with real-space results. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5714-5724.	4.4	5
747	Glass-like characteristics of intracellular motion in human cells. Biophysical Journal, 2021, 120, 2355-2366.	0.5	14
748	Biochemical resolving power of fluorescence lifetime imaging: untangling the roles of the instrument response function and photon-statistics. Biomedical Optics Express, 2021, 12, 3775.	2.9	8
750	Mice Lacking GABAA Receptor Î´ Subunit Have Altered Pharmaco-EEG Responses to Multiple Drugs. Frontiers in Pharmacology, 2021, 12, 706894.	3.5	4
752	Biannual Differences in Interest Peaks for Web Inquiries Into Ear Pain and Ear Drops: Infodemiology Study. Journal of Medical Internet Research, 2021, 23, e28328.	4.3	3
753	Instrumental systematics biases in CMB lensing reconstruction: A simulation-based assessment. Physical Review D, 2021, 103, .	4.7	8
754	Pycheron: A Python-Based Seismic Waveform Data Quality Control Software Package. Seismological Research Letters, 2021, 92, 3165-3178.	1.9	6
756	Tensor-based Polynomial Features Generation for High-order Neural Networks. , 2021, , .		0
758	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. Physics in Medicine and Biology, 2021, 66, 125019.	3.0	12
759	Chemical signatures of a warped protoplanetary disc. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4821-4837.	4.4	13
760	Pinpointing the jet apex of 3C 84. Astronomy and Astrophysics, 2021, 650, L18.	5.1	9
761	Classification of Daily Irradiance Profiles and the Behaviour of Photovoltaic Plant Elements: The Effects of Cloud Enhancement. Applied Sciences (Switzerland), 2021, 11, 5230.	2.5	5
762	How Merger-driven Gas Motions in Galaxy Clusters Can Turn AGN Bubbles into Radio Relics. Astrophysical Journal, 2021, 914, 73.	4.5	21
763	An Open Source Power System Simulator in Python for Efficient Prototyping of WAMPAC Applications. , 2021, , .		3
764	(Optochemical) Control of Synthetic Microbial Coculture Interactions on a Microcolony Level. ACS Synthetic Biology, 2021, 10, 1308-1319.	3.8	13

#	Article	IF	Citations
765	exoplanet: Gradient-based probabilistic inference for exoplanet data other astronomical time series. Journal of Open Source Software, 2021, 6, 3285.	4.6	104
766	Analyzing the outcomes of skeletal trauma within a forensic population: Potential issues and implications in inferential modeling of blunt force trauma. Journal of Forensic Sciences, 2021, 66, 1627-1636.	1.6	1
767	A Voltammetric Perspective of Multi-Electron and Proton Transfer in Protein Redox Chemistry: Insights From Computational Analysis of Escherichia coli HypD Fourier Transformed Alternating Current Voltammetry. Frontiers in Chemistry, 2021, 9, 672831.	3.6	5
768	Experimental signature of quantum turbulence in velocity spectra?. New Journal of Physics, 2021, 23, 063005.	2.9	5
769	Mechanistic data-driven prediction of as-built mechanical properties in metal additive manufacturing. Npj Computational Materials, 2021, 7, .	8.7	43
770	pygamma-agreement: Gamma $gamma$ measure for inter/intra-annotator agreement in Python. Journal of Open Source Software, 2021, 6, 2989.	4.6	5
772	Robust Assessment of Clustering Methods for Fast Radio Transient Candidates. Astrophysical Journal, 2021, 914, 53.	4.5	3
773	Graphene edge method for three‐dimensional probing of Raman microscopes focal volumes. Journal of Raman Spectroscopy, 2021, 52, 1671.	2.5	2
774	Transit detection of the long-period volatile-rich super-Earth ν2 Lupi d with CHEOPS. Nature Astronomy, 2021, 5, 775-787.	10.1	51
776	Catalytic Oxygenation-Mediated Extraction as a Facile and Green Way to Analyze Volatile Solutes. Analytical Chemistry, 2021, 93, 8923-8930.	6.5	2
777	Discovery of Targeted Material Binding Microorganisms Using a Centrifugal Microfluidic Platform. Advanced Materials Technologies, 2021, 6, 2100282.	5.8	1
778	Measurement of the open magnetic flux in the inner heliosphere down to 0.13 AU. Astronomy and Astrophysics, 2021, 650, A18.	5.1	26
779	Large‐scale tandem mass spectrum clustering using fast nearest neighbor searching. Rapid Communications in Mass Spectrometry, 2021, , e9153.	1.5	16
780	Data-driven equation for drug–membrane permeability across drugs and membranes. Journal of Chemical Physics, 2021, 154, 244114.	3.0	13
781	Centimeter-Scale Lithology and Facies Prediction in Cored Wells Using Machine Learning. Frontiers in Earth Science, 2021, 9, .	1.8	15
782	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. Physical Review X, 2021, 11, .	8.9	1,097
785	Plastics, (bio)polymers and their apparent biogeochemical cycle: An infrared spectroscopy study on foraminifera. Environmental Pollution, 2021, 279, 116912.	7.5	16
786	Detecting Climate Signals Using Explainable AI With Single‐Forcing Large Ensembles. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002464.	3.8	19

#	ARTICLE	IF	CITATIONS
787	Improved wavelength meter calibration in near infrared region via Doppler-free spectroscopy of molecular iodine. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	2
788	Detección de mascarilla para COVID-19 a través de Aprendizaje Profundo usando OpenCV y Cascade Trainer GUI. Revista Científica Y Tecnológica UPSE, 2021, 8, 68-73.	0.2	1
790	Stellar Metallicities from SkyMapper Photometry. II. Precise Photometric Metallicities of â¼280,000 Giant Stars with [Fe/H] < âˆ'0.75 in the Milky Way. Astrophysical Journal, Supplement Series, 2021, 254, 31.	7.7	23
791	Planets around young active solar-type stars: assessing detection capabilities from a non-stabilized spectrograph. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4989-5011.	4.4	6
792	The cosmic dispersion measure in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5356-5369.	4.4	5
793	Focal plane wavefront sensing using machine learning: performance of convolutional neural networks compared to fundamental limits. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5702-5713.	4.4	10
794	Surrogate modelling the Baryonic Universe II: On forward modelling the colours of individual and populations of galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2373-2389.	4.4	14
795	Slow Motion Analysis of Repetitive Tapping (SMART) Test: Measuring Bradykinesia in Recently Diagnosed Parkinson's Disease and Idiopathic Anosmia. Journal of Parkinson's Disease, 2021, 11, 1901-1915.	2.8	6
797	A computational method for prioritizing targeted therapies in precision oncology: performance analysis in the SHIVA01 trial. Npj Precision Oncology, 2021, 5, 59.	5.4	16
798	netrd: A library for network reconstruction and graph distances. Journal of Open Source Software, 2021, 6, 2990.	4.6	12
801	NOEMA High-fidelity Imaging of the Molecular Gas in and around M82. Astrophysical Journal Letters, 2021, 915, L3.	8.3	10
804	High-energy Emission from Tidal Disruption Events in Active Galactic Nuclei. Astrophysical Journal, 2021, 914, 107.	4.5	11
805	Improving Docking Power for Short Peptides Using Random Forest. Journal of Chemical Information and Modeling, 2021, 61, 3074-3090.	5.4	11
806	Searching for Surviving Companion in the Young SMC Supernova Remnant 1E 0102.2â€"7219. Astrophysical Journal, 2021, 915, 20.	4.5	2
807	Implementation of Quantum Machine Learning for Electronic Structure Calculations of Periodic Systems on Quantum Computing Devices. Journal of Chemical Information and Modeling, 2021, 61, 2667-2674.	5.4	17
809	Annual Industrial and Commercial Heat Load Profiles: Modeling Based on k-Means Clustering and Regression Analysis. Energy Conversion and Management: X, 2021, 10, 100085.	1.6	8
812	Towards an open-source landscape for 3-D CSEM modelling. Geophysical Journal International, 2021, 227, 644-659.	2.4	13
813	High [Oâ€°<scp>iii</scp>]/[Câ€°<scp>ii</scp>] surface brightness ratios trace early starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5543-5553.	4.4	29

#	Article	IF	Citations
814	Tyssue: an epithelium simulation library. Journal of Open Source Software, 2021, 6, 2973.	4.6	10
815	PyRMD: A New Fully Automated AI-Powered Ligand-Based Virtual Screening Tool. Journal of Chemical Information and Modeling, 2021, 61, 3835-3845.	5.4	21
816	Characterizing the Microstructure of Separators in Lithium Batteries and Their Effects on Dendritic Growth. ACS Applied Energy Materials, 2021, 4, 7848-7861.	5.1	13
817	High-Performance Interactive Scientific Visualization With Datoviz via the Vulkan Low-Level GPU API. Computing in Science and Engineering, 2021, 23, 85-90.	1.2	1
818	Calibrating Electrostatic Deflection of Charged Particle Sensors Using Ambient Plasma Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029149.	2.4	2
819	Superresolving <i>Herschel</i> imaging: a proof of concept using Deep Neural Networks. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1546-1556.	4.4	7
820	A kinematic study of central compact objects and their host supernova remnants. Astronomy and Astrophysics, 2021, 651, A40.	5.1	12
821	Limits on Millimeter Continuum Emission from Circumplanetary Material in the DSHARP Disks. Astrophysical Journal, 2021, 916, 51.	4.5	18
823	Exomoons in Systems with a Strong Perturber: Applications to Î± Cen AB. Astronomical Journal, 2021, 162, 58.	4.7	5
824	Haplotype-based membership inference from summary genomic data. Bioinformatics, 2021, 37, i161-i168.	4.1	4
825	Toward Comprehensive Plasma Proteomics by Orthogonal Protease Digestion. Journal of Proteome Research, 2021, 20, 4031-4040.	3.7	11
826	Detection and Removal of Periodic Noise in Kepler/K2 Photometry with Principal Component Analysis. Research Notes of the AAS, 2021, 5, 175.	0.7	2
827	Stochastic self-assembly of reaction-diffusion patterns in synaptic membranes. Physical Review E, 2021, 104, 014403.	2.1	0
828	Time to maximum indocyanine green fluorescence of gastric sentinel lymph nodes and feasibility of combined indocyanine green/sodium fluorescein gastric lymphography. Langenbeck's Archives of Surgery, 2021, , 1.	1.9	4
829	On the Impulsive Heating of Quiet Solar Corona. Astrophysical Journal, 2021, 916, 59.	4.5	11
830	αβ/γδ T cell lineage outcome is regulated by intrathymic cell localization and environmental signals. Science Advances, 2021, 7, .	10.3	6
831	Violin SuperPlots: visualizing replicate heterogeneity in large data sets. Molecular Biology of the Cell, 2021, 32, 1333-1334.	2.1	25
832	Rates and delay times of type Ia supernovae in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	21

#	ARTICLE	IF	CITATIONS
833	Modeling of tandem dCas9 complexes bound to DNA for nucleic acids detection. Microscopy and Microanalysis, 2021, 27, 1696-1698.	0.4	0
834	Discovery of superslow rotating asteroids with ATLAS and ZTF photometry. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3872-3881.	4.4	9
836	Four new planetesimals around typical and pre-main-sequenceâ€‰ stars (PLATYPUS) debris discs at 8.8â€‰mm. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3139-3147.	4.4	6
837	Correcting correlation functions for redshift-dependent interloper contamination. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3187-3206.	4.4	15
838	An inventory of atomic species in the atmosphere of WASP-121b using UVES high-resolution spectroscopy. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3853-3871.	4.4	35
839	Highly accurate protein structure prediction with AlphaFold. Nature, 2021, 596, 583-589.	27.8	17,754
840	Predicting length of fatigue cracks by means of machine learning algorithms in the small-data regime. Eksploatacja I Niezawodnosc, 2021, 23, 575-585.	2.0	5
841	Studies of RR Lyrae Variables in Binary Systems. I. Evidence of a Trimodal Companion Mass Distribution. Astrophysical Journal, 2021, 915, 50.	4.5	6
842	Classification of masked image data. PLoS ONE, 2021, 16, e0254181.	2.5	1
844	Convex Optimisation Model for Ship Speed Profile: Optimisation under Fixed Schedule. Journal of Marine Science and Engineering, 2021, 9, 730.	2.6	7
845	Supercomputing in Python With Legate. Computing in Science and Engineering, 2021, 23, 73-79.	1.2	4
847	Structural Analysis of Nanoscale Network Materials Using Graph Theory. ACS Nano, 2021, 15, 12847-12859.	14.6	21
848	The time-dependent distribution of optical polarization angle changes in blazars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 225-243.	4.4	7
849	Large-scale 21â€‰cm signal predictions at cosmic dawn with calibrated subgrid galaxy formation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3179-3186.	4.4	2
850	Inferring Critical Slip-Weakening Distance from Near-Fault Accelerogram of the 2014 MwÂ6.2 Ludian Earthquake. Seismological Research Letters, 2021, 92, 3416-3427.	1.9	7
851	Spatio-temporal complexity of power-grid frequency fluctuations. New Journal of Physics, 2021, 23, 073016.	2.9	9
852	Validation experiments on bubbling fluidization of Group B glass particles. Experimental and Computational Multiphase Flow, 2022, 4, 264-273.	3.9	5
853	U(1)-symmetric recurrent neural networks for quantum state reconstruction. Physical Review A, 2021, 104, .	2.5	15

#	ARTICLE	IF	CITATIONS
854	Superradiance in string theory. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 033.	5.4	58
855	SNÂ2019hcc: a Type II supernova displaying early Oâ€‰ii lines. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4819-4840.	4.4	3
856	Longitudinally Resolved Spectral Retrieval (ReSpect) of WASP-43b. Astrophysical Journal, 2021, 915, 45.	4.5	9
857	Dynamical ejecta synchrotron emission as a possible contributor to the changing behaviour of GRB170817A afterglow. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5908-5915.	4.4	22
858	Estimating Hepatotoxic Doses Using High-Content Imaging in Primary Hepatocytes. Toxicological Sciences, 2021, 183, 285-301.	3.1	5
859	Carbon-enhanced stars with short orbital and spin periods. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4877-4892.	4.4	5
861	Sound Classification by the TIAGo Service Robot for Healthcare Applications. , 2021, , .		1
863	Probabilistic Reconstruction of Type Ia Supernova SN 2002bo. Astrophysical Journal Letters, 2021, 916, L14.	8.3	5
864	Bayesian Evidence for a Nonlinear Damping Model for Coronal Loop Oscillations. Astrophysical Journal Letters, 2021, 915, L25.	8.3	9
865	Asteroid Photometry with PIRATE: Optimizations and Techniques for Small Aperture Telescopes. Publications of the Astronomical Society of the Pacific, 2021, 133, 075003.	3.1	3
866	The exomoon corridor for multiple moon systems. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2104-2121.	4.4	7
867	Strainberry: automated strain separation in low-complexity metagenomes using long reads. Nature Communications, 2021, 12, 4485.	12.8	25
868	coxeter: A Python package for working with shapes. Journal of Open Source Software, 2021, 6, 3098.	4.6	1
869	Which molecule traces what: Chemical diagnostics of protostellar sources. Astronomy and Astrophysics, 2021, 655, A65.	5.1	43
870	eeglib: A Python module for EEG feature extraction. SoftwareX, 2021, 15, 100745.	2.6	9
871	The GOGREEN survey: dependence of galaxy properties on halo mass at <i>z</i> &gt; 1 and implications for environmental quenching. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3364-3384.	4.4	16
872	Forecasting COVID-19 pandemic using an echo state neural network-based framework. , 2021, , .		0
873	Surface Rotation and Photometric Activity for Kepler Targets. II. G and F Main-sequence Stars and Cool Subgiant Stars. Astrophysical Journal, Supplement Series, 2021, 255, 17.	7.7	64

#	ARTICLE	IF	CITATIONS
874	Comparison of Online Sensors for Liquid Phase Hydrogen Sulphide Monitoring in Sewer Systems. Water (Switzerland), 2021, 13, 1876.	2.7	5
875	Spectral state transitions in Circinus ULX5. Astronomy and Astrophysics, 2021, 651, A54.	5.1	7
876	Topographic and Ground‐Ice Controls on Shallow Landsliding in Thawing Arctic Permafrost. Geophysical Research Letters, 2021, 48, e2020GL092264.	4.0	10
877	Modeling and Computational Comparison of the Displacement Forces Exerted between the AFX Unibody Aortic Stent Graft and its Hybrid Combination with a Nitinol-based Proximal Aortic Cuff. Annals of Vascular Surgery, 2021, 74, 400-409.	0.9	1
878	Speeding Up Data Manipulation Tasks with Alternative Implementations. ACM Transactions on Software Engineering and Methodology, 2021, 30, 1-28.	6.0	2
879	Complexity of linear minimization and projection on some sets. Operations Research Letters, 2021, 49, 565-571.	0.7	13
880	Hyperpolarized Dihydroxyacetone Is a Sensitive Probe of Hepatic Gluconeogenic State. Metabolites, 2021, 11, 441.	2.9	7
882	OpenHSV: an open platform for laryngeal high-speed videoendoscopy. Scientific Reports, 2021, 11, 13760.	3.3	25
883	Clostridioides difficile Single Cell Swimming Strategy: A Novel Motility Pattern Regulated by Viscoelastic Properties of the Environment. Frontiers in Microbiology, 2021, 12, 715220.	3.5	3
884	De Novo Molecule Design Through the Molecular Generative Model Conditioned by 3D Information of Protein Binding Sites. Journal of Chemical Information and Modeling, 2021, 61, 3240-3254.	5.4	38
885	Experimental test of search range in quantum annealing. Physical Review A, 2021, 104, .	2.5	7
886	Spirometry‐based reconstruction of real‐time cardiac MRI: Motion control and quantification of heart–lung interactions. Magnetic Resonance in Medicine, 2021, 86, 2692-2702.	3.0	6
887	DSCope: Development of Automatic Program for Detecting Fractures and Measuring Dip Angles. Applied Sciences (Switzerland), 2021, 11, 6423.	2.5	0
888	CONI-Net: Machine Learning of Separable Intermolecular Force Fields. Journal of Chemical Theory and Computation, 2021, 17, 4996-5006.	5.3	5
890	Random Forests as a Viable Method to Select and Discover High-redshift Quasars. Astronomical Journal, 2021, 162, 72.	4.7	18
892	A CHEOPS white dwarf transit search. Astronomy and Astrophysics, 2021, 651, L12.	5.1	9
893	Measuring Maximum Head Circumference Within the Picture Archiving and Communication System: A Fully Automatic Approach. Frontiers in Pediatrics, 2021, 9, 608122.	1.9	2
894	nazgul: A statistical approach to gamma-ray burst localization. Astronomy and Astrophysics, 2021, 654, A26.	5.1	7

#	Article	IF	Citations
895	Electromagnetic Signatures from the Tidal Tail of a Black Hole–Neutron Star Merger. Astrophysical Journal, 2021, 915, 69.	4.5	19
896	Deep Shape Features for Predicting Future Intracranial Aneurysm Growth. Frontiers in Physiology, 2021, 12, 644349.	2.8	7
897	Accelerating Key Bioinformatics Tasks 100-fold by Improving Memory Access. , 2021, , .		0
898	HRotatE: Hybrid Relational Rotation Embedding for Knowledge Graph. , 2021, , .		3
899	Speckle Observations of TESS Exoplanet Host Stars. II. Stellar Companions at 1–1000 au and Implications for Small Planet Detection. Astronomical Journal, 2021, 162, 75.	4.7	35
900	SCRAMBLE: Sweep Comparison Research Application for Multiple Back-Gated FieLd Effect measurements of graphene field effect transistors. SoftwareX, 2021, 15, 100757.	2.6	0
901	Composite Code Sparse Autoencoders for First Stage Retrieval. , 2021, , .		3
902	<i>Living Earth</i>: Implementing national standardised land cover classification systems for Earth Observation in support of sustainable development. Big Earth Data, 2021, 5, 368-390.	4.4	11
903	How does grazing incidence ultrasonic microscopy work? A study based on grain-scale numerical simulations. Ultrasonics, 2021, 114, 106387.	3.9	2
905	Assessing the speed-accuracy trade-offs of popular convolutional neural networks for single-crop rib fracture classification. Computerized Medical Imaging and Graphics, 2021, 91, 101937.	5.8	11
906	RGB photometric calibration of 15 million Gaia stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 318-329.	4.4	4
908	Towards efficient and accurate <i>ab initio</i> solutions to periodic systems via transcorrelation and coupled cluster theory. Physical Review Research, 2021, 3, .	3.6	16
910	Inferring time-dependent distribution functions from kinematic snapshots. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3098-3110.	4.4	1
911	Impact of Lesion Delineation and Intensity Quantisation on the Stability of Texture Features from Lung Nodules on CT: A Reproducible Study. Diagnostics, 2021, 11, 1224.	2.6	7
912	Gene Loss, Pseudogenization in Plastomes of Genus Allium (Amaryllidaceae), and Putative Selection for Adaptation to Environmental Conditions. Frontiers in Genetics, 2021, 12, 674783.	2.3	16
913	An Improved Bees Algorithm for Training Deep Recurrent Networks for Sentiment Classification. Symmetry, 2021, 13, 1347.	2.2	11
914	The MAVERIC Survey: Simultaneous <i>Chandra</i> and VLA observations of the transitional millisecond pulsar candidate NGCÂ6652B. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4107-4120.	4.4	14
916	Phytoplankton Photophysiology Utilities: A Python Toolbox for the Standardization of Processing Active Chlorophyll-a Fluorescence Data. Frontiers in Marine Science, 2021, 8, .	2.5	3

#	Article	IF	Citations
917	Seasonal distribution and drivers of surface fine particulate matter and organic aerosol over the Indo-Gangetic Plain. Atmospheric Chemistry and Physics, 2021, 21, 10881-10909.	4.9	15
918	Interrelation of the Environment of LyÎ± Emitters and Massive Galaxies at 2 < z < 4.5. Astrophysical Journal, 2021, 916, 35.	4.5	6
919	Where Is the Water? Jupiter-like C/H Ratio but Strong H_2O Depletion Found on Ï„ BoÃ¶tis b Using SPIRou. Astronomical Journal, 2021, 162, 73.	4.7	50
920	Traja: A Python toolbox for animal trajectory analysis. Journal of Open Source Software, 2021, 6, 3202.	4.6	8
921	How Close are Compact Multiplanet Systems to the Stability Limit?. Astronomical Journal, 2021, 162, 55.	4.7	14
922	Humans Digital Avatar Reconstruction for Tactical Situations Animation. Lecture Notes in Networks and Systems, 2022, , 634-644.	0.7	0
923	Selection of Three (Extreme)Ultraviolet Channels for Solar Satellite Missions by Deep Learning. Astrophysical Journal Letters, 2021, 915, L31.	8.3	6
924	Full-sky integrated Sachsâ€"Wolfe maps for the MICE grand challenge lightcone simulation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4344-4353.	4.4	2
925	A Geminiâ€"NIFS view of the merger remnant NGCÂ34. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4354-4373.	4.4	1
926	The impact of mixing treatments on cloud modelling in 3D simulations of hot Jupiters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4500-4515.	4.4	19
928	Toward a Multipathway Perspective: pH-Dependent Kinetic Selection of Competing Pathways and the Role of the Internal Glutamate in Cl^-/H^+ Antiporters. Journal of Physical Chemistry B, 2021, 125, 7975-7984.	2.6	6
929	On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR2. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5847-5868.	4.4	16
930	The stochastic self-consistent harmonic approximation: calculating vibrational properties of materials with full quantum and anharmonic effects. Journal of Physics Condensed Matter, 2021, 33, 363001.	1.8	70
931	On dust evolution in planet-forming discs in binary systems â€" II. Comparison with Taurus and Ï‚ÂOphiuchus (sub-)millimetre observations: discs in binaries have small dust sizes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2531-2549.	4.4	7
932	Mixing matters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2836-2852.	4.4	14
933	fv3gfs-wrapper: a Python wrapper of the FV3GFS atmospheric model. Geoscientific Model Development, 2021, 14, 4401-4409.	3.6	8
934	AutoDock Vina 1.2.0: New Docking Methods, Expanded Force Field, and Python Bindings. Journal of Chemical Information and Modeling, 2021, 61, 3891-3898.	5.4	1,481
935	Spatio-Temporal Look-Ahead Trajectory Prediction using Memory Neural Network. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
936	libCEED: Fast algebra for high-order element-based discretizations. Journal of Open Source Software, 2021, 6, 2945.	4.6	6
937	Seismic detection of the martian core. Science, 2021, 373, 443-448.	12.6	169
938	Transmembrane Self-Assembled Cyclic Peptide Nanotubes Based on Î±â€‘Residues and Cyclic Î²â€‘Amino Acids: A Computational Study. Frontiers in Chemistry, 2021, 9, 704160.	3.6	3
939	Vapourâ€"liquidâ€"liquid and vapourâ€"liquid equilibrium of paraffinic aromatic synthetic naphtha/water blends: Prediction of the number of phases. Canadian Journal of Chemical Engineering, 0, , .	1.7	2
940	Cocaine profiling method retrospectively developed with nontargeted discovery of markers using liquid chromatography with timeâ€‘ofâ€‘flight mass spectrometry data. Drug Testing and Analysis, 2021, , .	2.6	6
941	Global 21 cm Signal Extraction from Foreground and Instrumental Effects. IV. Accounting for Realistic Instrument Uncertainties and Their Overlap with Foreground and Signal Models. Astrophysical Journal, 2021, 915, 66.	4.5	12
942	Prototype Open Event Reconstruction Pipeline for the Cherenkov Telescope Array. , 2021, , .		1
944	A Deep Census of Outlying Star Formation in the M101 Group. Astrophysical Journal, 2021, 915, 57.	4.5	4
945	Transmission Spectroscopy of the Earthâ€"Sun System to Inform the Search for Extrasolar Life. Planetary Science Journal, 2021, 2, 140.	3.6	8
946	Pew²: Open-Source Imaging Software for Laser Ablationâ€"Inductively Coupled Plasmaâ€"Mass Spectrometry. Analytical Chemistry, 2021, 93, 10418-10423.	6.5	16
947	Laboratory experiments on the influence of stratification and a bottom sill on seiche damping. Ocean Science, 2021, 17, 997-1009.	3.4	1
948	Is there anisotropy in structural bias?. , 2021, , .		6
949	Interconnecting solvent quality, transcription, and chromosome folding in Escherichia coli. Cell, 2021, 184, 3626-3642.e14.	28.9	41
951	Extensive standing genetic variation from a small number of founders enables rapid adaptation in Daphnia. Nature Communications, 2021, 12, 4306.	12.8	27
952	Total Genotype Score Modelling of Polygenic Endurance-Power Profiles in Lithuanian Elite Athletes. Genes, 2021, 12, 1067.	2.4	7
953	Optimization of model independent gravitational wave search for binary black hole mergers using machine learning. Physical Review D, 2021, 104, .	4.7	13
954	The role of gas kinematics in setting metallicity gradients at high redshift. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1295-1308.	4.4	7
955	Extraction of the muon signals recorded with the surface detector of the Pierre Auger Observatory using recurrent neural networks. Journal of Instrumentation, 2021, 16, P07016.	1.2	11

#	ARTICLE	IF	CITATIONS
956	Polarimetric and Electrical Structure of the 19 May 2013 Edmond–Carney, Oklahoma, Tornadic Supercell. Monthly Weather Review, 2021, 149, 2049-2078.	1.4	3
957	New observations of the eclipsing binary system NY Vir and its candidate circumbinary planets. Monthly Notices of the Royal Astronomical Society, 2021, 507, 809-817.	4.4	8
958	The reflectance spectra of CV–CK carbonaceous chondrites from the near-infrared to the visible. Monthly Notices of the Royal Astronomical Society, 2021, 507, 651-662.	4.4	1
960	Condensation of pericentrin proteins in human cells illuminates phase separation in centrosome assembly. Journal of Cell Science, 2021, 134, .	2.0	29
961	Modelling Extended Lactations in Polish Holstein–Friesian Cows. Animals, 2021, 11, 2176.	2.3	0
962	The potential role of glycosaminoglycans in serum amyloid A fibril formation by in silico approaches. Matrix Biology Plus, 2021, 12, 100080.	3.5	2
964	Dedicated container for postmortem human brain ultra-high field magnetic resonance imaging. NeuroImage, 2021, 235, 118010.	4.2	2
965	Galaxy zoo: stronger bars facilitate quenching in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4389-4408.	4.4	24
966	Towards realistic modelling of the astrometric capabilities of MCAO systems: detecting an intermediate-mass black hole with MAVIS. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2192-2207.	4.4	3
967	icepack: a new glacier flow modeling package in Python, version 1.0. Geoscientific Model Development, 2021, 14, 4593-4616.	3.6	12
970	Active galactic nuclei catalog from the AKARI NEP-Wide field. Astronomy and Astrophysics, 2021, 651, A108.	5.1	5
971	fitgrid: A Python package for multi-channel event-related time series regression modeling. Journal of Open Source Software, 2021, 6, 3293.	4.6	0
972	Diffusional Kurtosis Imaging in the Diffusion Imaging in Python Project. Frontiers in Human Neuroscience, 2021, 15, 675433.	2.0	34
973	Characterizing the Multiphase Origin of [C ii] Emission in M101 and NGC 6946 with Velocity-resolved Spectroscopy. Astrophysical Journal, 2021, 915, 92.	4.5	13
974	Mosquito Control Priorities in Florida–Survey Results from Florida Mosquito Control Districts. Pathogens, 2021, 10, 947.	2.8	4
975	Engineer Your Software!. Synthesis Lectures on Algorithms and Software in Engineering, 2021, 11, 1-143.	0.1	0
976	Sensitive detection of tumor mutations from blood and its application to immunotherapy prognosis. Nature Communications, 2021, 12, 4172.	12.8	16
978	The Low-redshift Lyman-continuum Survey: [S ii] Deficiency and the Leakage of Ionizing Radiation. Astrophysical Journal, 2021, 916, 3.	4.5	24

#	Article	IF	Citations
979	The Architecture of the V892 Tau System: The Binary and Its Circumbinary Disk. Astrophysical Journal, 2021, 915, 131.	4.5	14
980	Pythonic Black-box Electronic Structure Tool (PyBEST). An open-source Python platform for electronic structure calculations at the interface between chemistry and physics. Computer Physics Communications, 2021, 264, 107933.	7.5	16
982	J <scp>une</scp> : open-source individual-based epidemiology simulation. Royal Society Open Science, 2021, 8, 210506.	2.4	14
984	Exact weight cancellation in Monte Carlo eigenvalue transport problems. Physical Review E, 2021, 104, 015306.	2.1	2
985	Outer Solar System Perihelion Gap Formation through Interactions with a Hypothetical Distant Giant Planet. Astronomical Journal, 2021, 162, 39.	4.7	7
986	Zwicky Transient Facility and Globular Clusters: the Periodâ€"Luminosity and Periodâ€"Luminosityâ€"Color Relations for Late-type Contact Binaries. Astronomical Journal, 2021, 162, 63.	4.7	8
987	Impact of COVID-19 on Electricity Demand: Deriving Minimum States of System Health for Studies on Resilience. Data, 2021, 6, 76.	2.3	0
988	The detectability of strong 21 centimetre forest absorbers from the diffuse intergalactic medium in late reionisation models. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
990	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. Astrophysical Journal, Supplement Series, 2021, 255, 11.	7.7	19
991	Coupling Monte Carlo Light Propagation Method and Curing Kinetic Equations to Model the Degree of Conversion Evolution of UV-Curable Composites. Industrial & Engineering Chemistry Research, 2021, 60, 10431-10444.	3.7	1
992	Towards Efficient Aerodynamic and Aeroacoustic Optimization for Urban Air Mobility Vehicle Design. , 2021, , .		1
993	munuSSM: A python package for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e13354" altimg="si7.svg"><mml:mi mathvariant="normal">Î¼</mml:mi></mml:math>-from-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e13359" altimg="si8.svg"><mml:mi>Î½</mml:mi></mml:math> Supersymmetric Standard Model. Computer Physics Communications, 2021, 264, 107935.	7.5	5
994	A Novel Feature Importance Based Layer to Improve Neural Networks. , 2021, , .		1
995	Deep learning object detection to estimate the nectar sugar mass of flowering vegetation. Ecological Solutions and Evidence, 2021, 2, e12099.	2.0	4
996	IQ Collaboratory. II. The Quiescent Fraction of Isolated, Low-mass Galaxies across Simulations and Observations. Astrophysical Journal, 2021, 915, 53.	4.5	19
997	Trust Dynamics and Verbal Assurances in Human Robot Physical Collaboration. Frontiers in Artificial Intelligence, 2021, 4, 703504.	3.4	4
998	<scp>Bilby</scp>-MCMC: an MCMC sampler for gravitational-wave inference. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2037-2051.	4.4	25
999	First Estimation of Global Trends in Nocturnal Power Emissions Reveals Acceleration of Light Pollution. Remote Sensing, 2021, 13, 3311.	4.0	55

#	Article	IF	Citations
1000	Câ‰<scp>ii</scp> and Hâ‰<scp>i</scp> 21-cm line intensity mapping from the EoR: impact of the light-cone effect on auto and cross-power spectra. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2500-2509.	4.4	5
1001	Explosion of people analytics, machine learning, and human resource technologies: Implications and applications for research. Human Resource Development Quarterly, 2021, 32, 243-250.	3.3	10
1003	Impact of Coronavirus-2019 On Pediatric and Adult Heart Transplantation Waitlist Activity and Mortality in The United States: A Descriptive Approach. The Lancet Regional Health Americas, 2021, 3, 100060.	2.6	4
1004	The KBSSâ€"KCWI survey: the connection between extended Lyâ‰Î± haloes and galaxy azimuthal angle at <i>z</i> â^¼ 2â€"3. Monthly Notices of the Royal Astronomical Society, 2021, 508, 19-43.	4.4	20
1006	Mapping the â€œinvisibleâ€•circumgalactic medium around a <i>z</i> â^¼ 4.5 radio galaxy with MUSE. Astronomy and Astrophysics, 2021, 654, A88.	5.1	10
1007	Characterizing Undetected Stellar Companions with Combined Data Sets. Astronomical Journal, 2021, 162, 128.	4.7	22
1008	diyepw: A Python package for Do-It-Yourself EnergyPlus weather file generation. Journal of Open Source Software, 2021, 6, 3313.	4.6	7
1009	On the relation between active-region lifetimes and the autocorrelation function of light curves. Monthly Notices of the Royal Astronomical Society, 2021, 508, 267-278.	4.4	9
1010	SmartOS. , 2021, , .		2
1011	Learning protein-ligand binding affinity with atomic environment vectors. Journal of Cheminformatics, 2021, 13, 59.	6.1	29
1012	Identification of a pathway for electron uptake in Shewanella oneidensis. Communications Biology, 2021, 4, 957.	4.4	39
1013	FURY: advanced scientific visualization. Journal of Open Source Software, 2021, 6, 3384.	4.6	5
1014	The optimal correlation detector?. Geophysical Journal International, 2021, 228, 355-365.	2.4	3
1015	Getting to the point: index sets and parallelism-preserving autodiff for pointful array programming. , 2021, 5, 1-29.		19
1016	Automatic Segmentation of the Olfactory Bulb. Brain Sciences, 2021, 11, 1141.	2.3	4
1017	Performance of solar far-side active region neural detection. Astronomy and Astrophysics, 2021, 652, A132.	5.1	4
1018	Assessing the utility of <scp>CASP14</scp> models for molecular replacement. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1752-1769.	2.6	47
1019	Molecular Gas in a Gravitationally Lensed Galaxy Group at z = 2.9. Astrophysical Journal, 2021, 917, 79.	4.5	3

#	Article	IF	Citations
1020	The versatile CubeSat Telescope: going to large apertures in small spacecraft. , 2021, , .		2
1021	An all-sky sample of intermediate- to high-mass OBA-type eclipsing binaries observed by TESS. Astronomy and Astrophysics, 2021, 652, A120.	5.1	20
1022	PyJAMAS: open-source, multimodal segmentation and analysis of microscopy images. Bioinformatics, 2022, 38, 594-596.	4.1	13
1023	Accuracy and Reliability of Single-Camera Measurements of Ankle Clonus and Quadriceps Hyperreflexia. Archives of Rehabilitation Research and Clinical Translation, 2021, 3, 100153.	0.9	0
1024	BNNpriors: A library for Bayesian neural network inference with different prior distributions. Software Impacts, 2021, 9, 100079.	1.4	3
1025	A gigabyte interpreted seismic dataset for automatic fault recognition. Data in Brief, 2021, 37, 107219.	1.0	9
1026	Improving reproducibility in synchrotron tomography using implementation-adapted filters. Journal of Synchrotron Radiation, 2021, 28, 1583-1597.	2.4	0
1027	Can Multi-threaded Flux Tubes in Coronal Arcades Support a Magnetohydrodynamic Avalanche?. Solar Physics, 2021, 296, 120.	2.5	2
1028	Leesâ€"Edwards boundary conditions for translation invariant shear flow: Implementation and transport properties. Physics of Fluids, 2021, 33, .	4.0	4
1029	TIC 454140642: A Compact, Coplanar, Quadruple-lined Quadruple Star System Consisting of Two Eclipsing Binaries. Astrophysical Journal, 2021, 917, 93.	4.5	19
1030	T-CoV: a comprehensive portal of HLA-peptide interactions affected by SARS-CoV-2 mutations. Nucleic Acids Research, 2022, 50, D883-D887.	14.5	37
1032	Tandem domain structure determination based on a systematic enumeration of conformations. Scientific Reports, 2021, 11, 16925.	3.3	2
1033	The BINGO project. Astronomy and Astrophysics, 2022, 664, A17.	5.1	12
1034	Fornax 3D project: Assessing the diversity of IMF and stellar population maps within the Fornax Cluster. Astronomy and Astrophysics, 2021, 654, A59.	5.1	12
1035	Age-dating Red Giant Stars Associated with Galactic Disk and Halo Substructures. Astrophysical Journal, 2021, 916, 88.	4.5	19
1036	Spectral and angular differential imaging with SPHERE/IFS. Astronomy and Astrophysics, 2021, 652, A33.	5.1	4
1038	Ventral stress fibers induce plasma membrane deformation in human fibroblasts. Molecular Biology of the Cell, 2021, 32, 1707-1723.	2.1	2
1040	Modelagem de um Programa de Resposta Ã Demanda com Incentivos Otimizados. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1041	A proof of concept study for machine learning application to stenosis detection. Medical and Biological Engineering and Computing, 2021, 59, 2085-2114.	2.8	8
1043	A Broad Grid of 2D Kilonova Emission Models. Astrophysical Journal, 2021, 918, 10.	4.5	38
1044	Neocortical inhibitory interneuron subtypes are differentially attuned to synchrony- and rate-coded information. Communications Biology, 2021, 4, 935.	4.4	3
1045	Machine Learning Approach to Analyze the Surface Properties of Biological Materials. ACS Biomaterials Science and Engineering, 2021, 7, 4614-4625.	5.2	9
1047	Molecular Dynamics Simulations of the Apo and Holo States of the Copper Binding Protein CueR Reveal Principal Bending and Twisting Motions. Journal of Physical Chemistry B, 2021, 125, 9417-9425.	2.6	7
1048	Dense optical flow software to quantify cellular contractility. Cell Reports Methods, 2021, 1, 100044.	2.9	12
1049	Proximity labeling reveals non-centrosomal microtubule-organizing center components required for microtubule growth and localization. Current Biology, 2021, 31, 3586-3600.e11.	3.9	31
1050	Thermal Switch Based on an Adsorption Material in a Heat Pipe. Energies, 2021, 14, 5130.	3.1	5
1051	Effect of a Ring onto Values of Eigenvalueâ€"Based Molecular Descriptors. Symmetry, 2021, 13, 1515.	2.2	2
1053	Cosmic evolution through UV surveys (CETUS): point spread function analysis of three mirror anastigmat telescope. , 2021, , .		0
1054	Dark Matter Deficient Galaxies and Their Member Star Clusters Form Simultaneously during High-velocity Galaxy Collisions in 1.25 pc Resolution Simulations. Astrophysical Journal Letters, 2021, 917, L15.	8.3	18
1055	Single-trial dynamics of hippocampal spatial representations are modulated by reward value. Current Biology, 2021, 31, 4423-4435.e5.	3.9	5
1056	A self-consistent perturbative density functional theory for hard-core fluids: phase diagrams, structural and interfacial properties. Fluid Phase Equilibria, 2021, 542-543, 113095.	2.5	1
1058	Validation of Bioinformatic Modeling for the Zeta Potential of Vicilin, Legumin, and Commercial Pea Protein Isolate. Food Biophysics, 2021, 16, 474-483.	3.0	15
1059	Pairwise Difference Regression: A Machine Learning Meta-algorithm for Improved Prediction and Uncertainty Quantification in Chemical Search. Journal of Chemical Information and Modeling, 2021, 61, 3846-3857.	5.4	17
1060	Physical Conditions in the LMCâ€™s Quiescent Molecular Ridge: Fitting Non-LTE Models to CO Emission. Astrophysical Journal, 2021, 917, 106.	4.5	2
1061	High-resolution Extinction Map in the Direction of the Strongly Obscured Bulge Fossil Fragment Liller 1*. Astrophysical Journal, 2021, 917, 92.	4.5	9
1062	A Data-scientific Noise-removal Method for Efficient Submillimeter Spectroscopy With Single-dish Telescopes. Astronomical Journal, 2021, 162, 111.	4.7	4

#	ARTICLE	IF	CITATIONS
1063	Protocol for Retrieving Three-Dimensional Biological Shapes for a Few XFEL Single-Particle Diffraction Patterns. Journal of Chemical Information and Modeling, 2021, 61, 4108-4119.	5.4	1
1065	PrepFlow: A Toolkit for Chemical Library Preparation and Management for Virtual Screening. Molecular Informatics, 2021, 40, 2100139.	2.5	5
1066	Python-Microscope â€" a new open-source Python library for the control of microscopes. Journal of Cell Science, 2021, 134, .	2.0	7
1067	Learning function from structure in neuromorphic networks. Nature Machine Intelligence, 2021, 3, 771-786.	16.0	54
1068	Brain activity complexity has a nonlinear relation to the level of propofol sedation. British Journal of Anaesthesia, 2021, 127, 254-263.	3.4	14
1069	Signatures of Recent Cosmic-Ray Acceleration in the High-latitude Gamma-Ray Sky. Astrophysical Journal, 2021, 917, 30.	4.5	5
1071	On-sky results for the integrated microlens ring tip-tilt sensor. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2517.	2.1	1
1072	Expanding the Search for Sperm Transmission Elements in the Mitochondrial Genomes of Bivalve Mollusks. Genes, 2021, 12, 1211.	2.4	4
1073	Engineered acetoacetateâ€inducible wholeâ€cell biosensors based on the AtoSC twoâ€component system. Biotechnology and Bioengineering, 2021, 118, 4278-4289.	3.3	10
1074	SDSS-IV MaNGA: Stellar M/L gradients and the M/L-colour relation in galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2488-2499.	4.4	16
1075	Birth of a large volcanic edifice offshore Mayotte via lithosphere-scale dyke intrusion. Nature Geoscience, 2021, 14, 787-795.	12.9	59
1076	Demystifying â€œbadâ€ error messages in data science libraries. , 2021, , .		0
1077	More Plausible Models of Body Ownership Could Benefit Virtual Reality Applications. Computers, 2021, 10, 108.	3.3	2
1078	Desensitisation of Notch signalling through dynamic adaptation in the nucleus. EMBO Journal, 2021, 40, e107245.	7.8	16
1079	The DECam Local Volume Exploration Survey: Overview and First Data Release. Astrophysical Journal, Supplement Series, 2021, 256, 2.	7.7	47
1080	SN2017jgh: a high-cadence complete shock cooling light curve of a SNâ¡IIb with the <i>Kepler</i> telescope. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3125-3138.	4.4	7
1081	Synthetic evolution tracks of giant planets. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2094-2102.	4.4	8
1082	The data format of the MErcury Radiometer and Thermal Infrared Spectrometer (MERTIS) onboard BepiColombo. , 2021, , .		0

#	Article	IF	Citations
1085	Predicting pediatric anxiety from the temporal pole using neural responses to emotional faces. Scientific Reports, 2021, 11, 16723.	3.3	3
1086	The BINGO project. Astronomy and Astrophysics, 2022, 664, A14.	5.1	25
1088	Investigation of Different Free Image Analysis Software for High-Throughput Droplet Detection. ACS Omega, 2021, 6, 22625-22634.	3.5	10
1089	Implementation of and experimental software for active selection of classification features. Software Impacts, 2021, 9, 100103.	1.4	0
1091	Hunting the nature of the enigmatic narrow-line Seyfert 1 galaxy PKS 2004-447. Astronomy and Astrophysics, 0, , .	5.1	10
1092	Analyzing the Galactic Pulsar Distribution with Machine Learning. Astrophysical Journal, 2021, 916, 100.	4.5	3
1093	Quenching, Mergers, and Age Profiles for $z = 2$ Galaxies in IllustrisTNG. Astrophysical Journal Letters, 2021, 916, L23.	8.3	8
1094	The Role of the Learner in the Cultural Evolution of Vocalizations. Frontiers in Psychology, 2021, 12, 667455.	2.1	0
1095	Classifying disequilibrium of small mountain glaciers from patterns of surface elevation change distributions. Journal of Glaciology, 0, , 1-16.	2.2	1
1096	Causality indices for bivariate time series data: A comparative review of performance. Chaos, 2021, 31, 083111.	2.5	8
1097	Platelet Surface Protein Expression and Reactivity upon TRAP Stimulation after BNT162b2 Vaccination. Thrombosis and Haemostasis, 2022, 122, 1706-1711.	3.4	9
1098	Stellar Transits across a Magnetized Accretion Torus as a Mechanism for Plasmoid Ejection. Astrophysical Journal, 2021, 917, 43.	4.5	36
1100	Lack-of-correlation anomaly in CMB large scale polarisation maps. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 015.	5.4	9
1101	Collisional Growth within the Solar Systemâ€™s Primordial Planetesimal Disk and the Timing of the Giant Planet Instability. Astrophysical Journal Letters, 2021, 917, L8.	8.3	6
1102	Environment-assisted quantum transport and mobility edges. Physical Review A, 2021, 104, .	2.5	9
1103	Screening for New Pathways in Atmospheric Oxidation Chemistry with Automated Mechanism Generation. Journal of Physical Chemistry A, 2021, 125, 6772-6788.	2.5	7
1104	Quantum Defects in Fluorescent Carbon Nanotubes for Sensing and Mechanistic Studies. Journal of Physical Chemistry C, 2021, 125, 18341-18351.	3.1	28
1105	Gradient-boosted equivalent sources. Geophysical Journal International, 2021, 227, 1768-1783.	2.4	2

#	Article	IF	Citations
1106	bwsample: Processing Best-Worst Scaling data. Journal of Open Source Software, 2021, 6, 3324.	4.6	0
1108	Beamed Emission from a Neutron-star ULX in a GRRMHD Simulation. Astrophysical Journal Letters, 2021, 917, L31.	8.3	11
1110	Immersed cantilever apparatus for mechanics and microscopy. Measurement Science and Technology, 2021, 32, 125603.	2.6	1
1111	LiPyphilic: A Python Toolkit for the Analysis of Lipid Membrane Simulations. Journal of Chemical Theory and Computation, 2021, 17, 5907-5919.	5.3	47
1112	The Lightweaver Framework for Nonlocal Thermal Equilibrium Radiative Transfer in Python. Astrophysical Journal, 2021, 917, 14.	4.5	10
1114	Morphology-independent test of the mixed polarization content of transient gravitational wave signals. Physical Review D, 2021, 104, .	4.7	12
1115	A statistics-based reconstruction of high-resolution global terrestrial climate for the last 800,000 years. Scientific Data, 2021, 8, 228.	5.3	21
1116	Discovery and characterization of five new eclipsing AMÂCVn systems. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5440-5461.	4.4	22
1117	AuTO: a framework for Automatic differentiation in Topology Optimization. Structural and Multidisciplinary Optimization, 2021, 64, 4355-4365.	3.5	25
1118	NuSTAR observations of a repeatedly microflaring active region. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3936-3951.	4.4	16
1119	Automated analysis of bacterial flow cytometry data with FlowGateNIST. PLoS ONE, 2021, 16, e0250753.	2.5	8
1120	Constraints on the properties of warm dark matter using the satellite galaxies of the Milky Way. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 062.	5.4	43
1121	A LyÎ± Transit Left Undetected: the Environment and Atmospheric Behavior of K2-25b. Astronomical Journal, 2021, 162, 116.	4.7	9
1123	Phase retrieval and design with automatic differentiation: tutorial. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2465.	2.1	8
1124	Revealing the Impact of Global Heating on North Atlantic Circulation Using Transparent Machine Learning. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002496.	3.8	16
1125	Dissecting whole-brain conduction delays through MRI microstructural measures. Brain Structure and Function, 2021, 226, 2651-2663.	2.3	6
1126	Diffusion-mediated HEI10 coarsening can explain meiotic crossover positioning in Arabidopsis. Nature Communications, 2021, 12, 4674.	12.8	62
1127	Conversions between gas-phase metallicities in MaNGA. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2468-2487.	4.4	4

#	Article	IF	Citations
1128	Common envelope evolution of eccentric binaries. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2659-2670.	4.4	26
1129	Solar prominence diagnostics from non-LTE modelling of Mgâ€ ll h&k line profiles. Astronomy and Astrophysics, 2021, 653, A5.	5.1	14
1132	Orthology Clusters from Gene Trees with <i>Possvm</i>. Molecular Biology and Evolution, 2021, 38, 5204-5208.	8.9	12
1133	Moving-mesh radiation-hydrodynamic simulations of wind-reprocessed transients. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1092-1105.	4.4	7
1134	Rapid Variability of Sgr A* across the Electromagnetic Spectrum. Astrophysical Journal, 2021, 917, 73.	4.5	35
1135	A flexible framework for multi-particle refinement in cryo-electron tomography. PLoS Biology, 2021, 19, e3001319.	5.6	36
1136	Blueshifted Hydrogen Emission and Shock Wave of RR Lyrae Variables in SDSS and LAMOST. Astrophysical Journal, 2021, 918, 3.	4.5	1
1137	Detection of non-linear resonances among gravity modes of slowly pulsating B stars: Results from five iterative pre-whitening strategies. Astronomy and Astrophysics, 2021, 655, A59.	5.1	16
1138	Bayesian inference of multimessenger astrophysical data: Methods and applications to gravitational waves. Physical Review D, 2021, 104, .	4.7	25
1139	An Android based Mobile Spoken Dialog System for Telugu language to control Smart appliances. , 2021, , .		3
1140	pyDeltaRCM: a flexible numerical delta model. Journal of Open Source Software, 2021, 6, 3398.	4.6	6
1141	A mathematical model to estimate the incidence of child wasting in Yemen. Conflict and Health, 2021, 15, 62.	2.7	0
1144	On the validation of BEPU methodologies through the simulation of integral experiments: Application to the PKL test facility. Nuclear Engineering and Design, 2021, 379, 111238.	1.7	4
1145	Characterization of cephalic and non-cephalic sensory cell types provides insight into joint photo- and mechanoreceptor evolution. ELife, 2021, 10, .	6.0	10
1146	Depth Sliding Windows Application on Geophysical Well Log Data. , 2021, , .		0
1147	ComplexFinder: A software package for the analysis of native protein complex fractionation experiments. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148444.	1.0	6
1148	Particle Simulation of Linear Diffusion Pumps for DEMO Torus Exhaust Pumping. Fusion Engineering and Design, 2021, 169, 112694.	1.9	4
1149	A Deep-learning Approach for Live Anomaly Detection of Extragalactic Transients. Astrophysical Journal, Supplement Series, 2021, 255, 24.	7.7	22

#	ARTICLE	IF	CITATIONS
1150	Contextual movement models based on normalizing flows. AStA Advances in Statistical Analysis, 0, , 1.	0.9	1
1151	Fitting infrared ice spectra with genetic modelling algorithms. Astronomy and Astrophysics, 2021, 654, A158.	5.1	7
1152	Probing Kilonova Ejecta Properties Using a Catalog of Short Gamma-Ray Burst Observations. Astrophysical Journal, 2021, 916, 89.	4.5	20
1153	Bayesian parameter estimation of stellar-mass black-hole binaries with LISA. Physical Review D, 2021, 104, .	4.7	21
1154	Mechanical competition alters the cellular interpretation of an endogenous genetic program. Journal of Cell Biology, 2021, 220, .	5.2	20
1155	Dark Energy Survey year 3 results: covariance modelling and its impact on parameter estimation and quality of fit. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3125-3165.	4.4	39
1156	The dependence of the hierarchical distribution of star clusters on galactic environment. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5542-5566.	4.4	7
1157	A Decomposable Winograd Method for N–D Convolution Acceleration in Video Analysis. International Journal of Computer Vision, 2021, 129, 2806-2826.	15.6	1
1158	Tensor Data Scattering and the Impossibility of Slicing Theorem. Lecture Notes in Networks and Systems, 2022, , 280-290.	0.7	0
1160	Superposed metric for spinning black hole binaries approaching merger. Physical Review D, 2021, 104, .	4.7	11
1161	Combining Astrometry and Elemental Abundances: The Case of the Candidate Pre-Gaia Halo Moving Groups G03-37, G18-39, and G21-22 *. Astronomical Journal, 2021, 162, 109.	4.7	3
1163	Taking the multiplicity inside the loop: active learning for structural and spin multiplicity elucidation of atomic clusters. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	10
1164	Optimising simulations for diphoton production at hadron colliders using amplitude neural networks. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
1166	Miniaturized wireless gastric pacing via inductive power transfer with non-invasive monitoring using cutaneous Electrogastrography. Bioelectronic Medicine, 2021, 7, 12.	2.3	2
1167	Signatures in SARS-CoV-2 spike protein conferring escape to neutralizing antibodies. PLoS Pathogens, 2021, 17, e1009772.	4.7	74
1168	New Extensibility and Scripting Tools in the ImageJ Ecosystem. Current Protocols, 2021, 1, e204.	2.9	3
1169	Comparison of Multiple Lapse Time Window Analysis and Qopen to determine intrinsic and scattering attenuation. Geophysical Journal International, 2021, 228, 913-926.	2.4	6
1171	Impact of massive binary star and cosmic evolution on gravitational wave observations I: black hole–neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5028-5063.	4.4	83

#	Article	IF	Citations
1172	Evolution of Functional Diversity in the Holozoan Tyrosine Kinome. Molecular Biology and Evolution, 2021, 38, 5625-5639.	8.9	13
1173	Experimental and computational investigation of enzyme functional annotations uncovers misannotation in the EC 1.1.3.15 enzyme class. PLoS Computational Biology, 2021, 17, e1009446.	3.2	21
1175	HST grism spectroscopy of <i>z</i> â¼ 3 massive quiescent galaxies. Astronomy and Astrophysics, 2021, 653, A32.	5.1	20
1176	Polarised emission from aligned dust grains in nearby galaxies: Predictions from the Auriga simulations. Astronomy and Astrophysics, 2021, 653, A34.	5.1	12
1177	Changes in the Care of Neurological Diseases During the First Wave of the COVID-19 Pandemic: A Single Private Center Study in Argentina. Frontiers in Neurology, 2021, 12, 613838.	2.4	2
1178	Hystorian: A processing tool for scanning probe microscopy and other n-dimensional datasets. Ultramicroscopy, 2021, 228, 113345.	1.9	3
1179	Surface finish classification using depth camera data. Automation in Construction, 2021, 129, 103799.	9.8	7
1180	K2, Spitzer, and TESS Transits of Four Sub-Neptune Exoplanets. Astronomical Journal, 2021, 162, 136.	4.7	1
1181	epimargin: A Toolkit for Epidemiological Estimation, Prediction, and Policy Evaluation. Journal of Open Source Software, 2021, 6, 3464.	4.6	0
1182	Geometry versus growth. Astronomy and Astrophysics, 2021, 655, A11.	5.1	8
1184	Cryo-Ralib - A Modular Library for Accelerating Alignment in CRYO-EM. , 2021, , .		1
1185	Information content differentiates enhancers from silencers in mouse photoreceptors. ELife, 2021, 10, .	6.0	18
1186	Integrating phase field and crystal plasticity finite element models for simulations of titanium alloy Ti-5553. JPhys Materials, 2021, 4, 044014.	4.2	6
1187	Investigating the Relationship between (3200) Phaethon and (155140) 2005 UD through Telescopic and Laboratory Studies. Planetary Science Journal, 2021, 2, 190.	3.6	12
1188	Trycycler: consensus long-read assemblies for bacterial genomes. Genome Biology, 2021, 22, 266.	8.8	175
1189	THINGSvision: A Python Toolbox for Streamlining the Extraction of Activations From Deep Neural Networks. Frontiers in Neuroinformatics, 2021, 15, 679838.	2.5	14
1190	Comprehensive prediction of robust synthetic lethality between paralog pairs in cancer cell lines. Cell Systems, 2021, 12, 1144-1159.e6.	6.2	33
1191	AlphaTims: Indexing Trapped Ion Mobility Spectrometryâ€"TOF Data for Fast and Easy Accession and Visualization. Molecular and Cellular Proteomics, 2021, 20, 100149.	3.8	23

#	ARTICLE	IF	CITATIONS
1192	Euclid: Estimation of the Impact of Correlated Readout Noise for Flux Measurements with the Euclid NISP Instrument*. Publications of the Astronomical Society of the Pacific, 2021, 133, 094502.	3.1	1
1193	Chemical evolution of the Galactic bulge as traced by microlensed dwarf and subgiant stars. Astronomy and Astrophysics, 2021, 655, A117.	5.1	5
1194	An image analysis method for regionally defined cellular phenotyping of the Drosophila midgut. Cell Reports Methods, 2021, 1, 100059.	2.9	7
1196	Probing Universal Protein Dynamics Using Hydrogenâ€"Deuterium Exchange Mass Spectrometry-Derived Residue-Level Gibbs Free Energy. Analytical Chemistry, 2021, 93, 12840-12847.	6.5	16
1197	The G protein database, GproteinDb. Nucleic Acids Research, 2022, 50, D518-D525.	14.5	49
1198	Detection of Ionized Calcium in the Atmosphere of the Ultra-hot Jupiter WASP-76b. Astrophysical Journal Letters, 2021, 919, L15.	8.3	18
1199	Location-based Human Activity Recognition Using Long-term Deep Learning Invariant Mapping. , 2021, , .		1
1200	gmx_MMPBSA: A New Tool to Perform End-State Free Energy Calculations with GROMACS. Journal of Chemical Theory and Computation, 2021, 17, 6281-6291.	5.3	640
1202	Machine Learning Reveals a Significant Shift in Water Regime Types Due to Projected Climate Change. ISPRS International Journal of Geo-Information, 2021, 10, 660.	2.9	3
1203	Fast parallel Newtonâ€"Raphson power flow solver for large number of system calculations with CPU and GPU. Sustainable Energy, Grids and Networks, 2021, 27, 100483.	3.9	9
1204	Responsive and Minimalist App Based on Explainable AI to Assess Palliative Care Needs during Bedside Consultations on Older Patients. Sustainability, 2021, 13, 9844.	3.2	2
1205	Artificial intelligence sepsis prediction algorithm learns to say â€œI donâ€™t knowâ€. Npj Digital Medicine, 2021, 4, 134.	10.9	38
1206	Hyperspectral imaging of asteroids using an FPI-based sensor. , 2021, , .		2
1207	The â€œNarrativesâ€ fMRI dataset for evaluating models of naturalistic language comprehension. Scientific Data, 2021, 8, 250.	5.3	50
1208	An ALMA Gas-dynamical Mass Measurement of the Supermassive Black Hole in the Local Compact Galaxy UGC 2698. Astrophysical Journal, 2021, 919, 77.	4.5	11
1209	On the Three-dimensional Structure of Local Molecular Clouds. Astrophysical Journal, 2021, 919, 35.	4.5	33
1211	SMARPs and SHARPs: Two Solar Cycles of Active Region Data. Astrophysical Journal, Supplement Series, 2021, 256, 26.	7.7	11
1212	Semi-regular red giants as distance indicators. Astronomy and Astrophysics, 2021, 656, A66.	5.1	8

#	Article	IF	Citations
1213	Radial structure and formation of the Milky Way disc. Astronomy and Astrophysics, 2021, 655, A111.	5.1	17
1214	Weighing the Galactic disk using phase-space spirals. Astronomy and Astrophysics, 2021, 653, A86.	5.1	22
1215	Comparing state-of-the-art approaches to back-calculate SAXS spectra from atomistic molecular dynamics simulations. European Physical Journal B, 2021, 94, 1.	1.5	12
1216	CsoDIAq Software for Direct Infusion Shotgun Proteome Analysis. Analytical Chemistry, 2021, 93, 12312-12319.	6.5	8
1217	Prediction of chemical ordering in refractory high-entropy superalloys. Applied Physics Letters, 2021, 119, 111901.	3.3	6
1218	Membrane hydrophobicity determines the activation free energy of passive lipid transport. Biophysical Journal, 2021, 120, 3718-3731.	0.5	13
1219	New approach to electroweak symmetry nonrestoration. Physical Review D, 2021, 104, .	4.7	14
1220	The cumulative star formation histories of dwarf galaxies with TNG50. I: environment-driven diversity and connection to quenching. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1652-1674.	4.4	32
1221	Phase-Space Correlations among Systems of Satellite Galaxies. Galaxies, 2021, 9, 66.	3.0	16
1222	LUCI: A Python Package for SITELLE Spectral Analysis. Research Notes of the AAS, 2021, 5, 208.	0.7	2
1223	TSI-GNN: Extending Graph Neural Networks to Handle Missing Data in Temporal Settings. Frontiers in Big Data, 2021, 4, 693869.	2.9	3
1224	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XIV. A Candidate Type II Quasar at $z = 6.1292$. Astrophysical Journal, 2021, 919, 61.	4.5	14
1225	Computational workflow for functional characterization of COVID-19 through secondary data analysis. STAR Protocols, 2021, 2, 100873.	1.2	2
1226	The Role of Hub Neurons in Modulating Cortical Dynamics. Frontiers in Neural Circuits, 2021, 15, 718270.	2.8	7
1227	Riskâ€Based Wellhead Protection Decision Support: A Repeatable Workflow Approach. Ground Water, 2022, 60, 71-86.	1.3	10
1228	JexoSim 2.0: end-to-end JWST simulator for exoplanet spectroscopy â€" implementation and case studies. Monthly Notices of the Royal Astronomical Society, 2021, 508, 433-452.	4.4	3
1229	Spitzer Phase-curve Observations and Circulation Models of the Inflated Ultrahot Jupiter WASP-76b. Astronomical Journal, 2021, 162, 158.	4.7	27
1230	The importance of non-pharmaceutical interventions during the COVID-19 vaccine rollout. PLoS Computational Biology, 2021, 17, e1009346.	3.2	51

#	ARTICLE	IF	CITATIONS
1231	The Galactic neutron star population â€" I. An extragalactic view of the Milky Way and the implications for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1929-1946.	4.4	9
1233	Integrating In Situ x-Ray Imaging, Energy Dispersive Spectroscopy, and Calculated Phase Diagram Analysis of Solute Segregation During Solidification of an Al-Ag Alloy. Jom, 0, , 1.	1.9	0
1234	A method for risk analysis of ship collisions with stationary infrastructure using AIS data and a ship manoeuvring simulator. Ocean Engineering, 2021, 235, 109396.	4.3	17
1235	Hardware error correction for programmable photonics. Optica, 2021, 8, 1247.	9.3	80
1236	Information content in mean pairwise velocity and mean relative velocity between pairs in a triplet. Astronomy and Astrophysics, 2021, 653, A130.	5.1	11
1237	Achieving Robustness to Aleatoric Uncertainty with Heteroscedastic Bayesian Optimisation. Machine Learning: Science and Technology, 0, , .	5.0	8
1238	Laser beam powder bed fusion of nitinol shape memory alloy (SMA). Journal of Materials Research and Technology, 2021, 14, 2554-2570.	5.8	47
1239	Kinetic Monte Carlo simulation of ZrO_2 coating deposited by EBâ€PVD. Journal of the American Ceramic Society, 2022, 105, 830-841.	3.8	4
1240	Constraining Mornings and Evenings on Distant Worlds: A new Semianalytical Approach and Prospects with Transmission Spectroscopy. Astronomical Journal, 2021, 162, 165.	4.7	18
1241	Real-Time Back Surface Landmark Determination Using a Time-of-Flight Camera. Sensors, 2021, 21, 6425.	3.8	2
1243	Density Functional Calculations Based on the Exponential Ansatz. Journal of Physical Chemistry A, 2021, 125, 8751-8763.	2.5	2
1244	Chebyshev Matrix Product States with Canonical Orthogonalization for Spectral Functions of Many-Body Systems. Journal of Physical Chemistry Letters, 2021, 12, 9344-9352.	4.6	6
1245	CHEOPS precision phase curve of the Super-Earth 55 Cancri e. Astronomy and Astrophysics, 2021, 653, A173.	5.1	30
1246	An Approach for Automatic Description of Characters for Blind People. , 2021, , .		1
1248	The causal effect of environment on halo mass and concentration. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1189-1194.	4.4	4
1249	Review of Artificial Intelligence Training Tools and Courses for Radiologists. Academic Radiology, 2021, 28, 1238-1252.	2.5	9
1250	The squeezable nanojunction as a tunable light-matter interface for studying photoluminescence of 2D materials. 2D Materials, 2021, 8, 045034.	4.4	2
1251	buildH: Build hydrogen atoms from united-atom molecular dynamics of lipids and calculate the order parameters. Journal of Open Source Software, 2021, 6, 3521.	4.6	0

#	Article	IF	Citations
1252	Exploring the redshift-space peculiar velocity field and its power spectrum. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 018.	5.4	9
1253	Limits of lateral expansion in two-dimensional materials with line defects. Physical Review Materials, 2021, 5, .	2.4	1
1254	A sequence‐based method for predicting extant fold switchers that undergo α‐helix ↔ β‐strand transitions. Biopolymers, 2021, 112, e23471.	2.4	11
1255	Extension and improvement of the methanol‐d_4 NMR thermometer calibration. Magnetic Resonance in Chemistry, 2022, 60, 203-209.	1.9	8
1256	Multi‐omics network‐based functional annotation of unknown Arabidopsis genes. Plant Journal, 2021, 108, 1193-1212.	5.7	39
1257	Antigen dominance hierarchies shape TCF1+ progenitor CD8 T cell phenotypes in tumors. Cell, 2021, 184, 4996-5014.e26.	28.9	84
1261	Modelling type 1 quasar colours in the era of Rubin and Euclid. Monthly Notices of the Royal Astronomical Society, 2021, 508, 737-754.	4.4	11
1262	VEGA is an interpretable generative model for inferring biological network activity in single-cell transcriptomics. Nature Communications, 2021, 12, 5684.	12.8	35
1263	The impact of glitches on young pulsar rotational evolution. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3251-3274.	4.4	34
1264	Stellar disruption of axion miniclusters in the Milky Way. Physical Review D, 2021, 104, .	4.7	21
1265	A data-driven reconstruction of Horndeski gravity via the Gaussian processes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 014.	5.4	21
1266	Special relativistic hydrodynamics with CRONOS. Astronomy and Astrophysics, 2021, 653, A164.	5.1	3
1267	Thresholds for Particle Clumping by the Streaming Instability. Astrophysical Journal, 2021, 919, 107.	4.5	59
1268	TESS Data for Asteroseismology: Photometry. Astronomical Journal, 2021, 162, 170.	4.7	14
1269	Hidden in the haystack: low-luminosity globular clusters towards the Milky Way bulge. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4962-4981.	4.4	12
1270	A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A. Astrophysical Journal Letters, 2021, 919, L24.	8.3	46
1273	Uncovering the ultimate planet impostor. Astronomy and Astrophysics, 2021, 653, A40.	5.1	2
1274	Confirming the Calibration of ALMA Using Planck Observations. Astrophysical Journal, Supplement Series, 2021, 256, 19.	7.7	3

#	ARTICLE	IF	CITATIONS
1275	Fast evaluation of finite element weak forms using python tensor contraction packages. Advances in Engineering Software, 2021, 159, 103033.	3.8	3
1276	Biologically relevant transfer learning improves transcription factor binding prediction. Genome Biology, 2021, 22, 280.	8.8	24
1277	Switching an active site helix in dihydrofolate reductase reveals limits to subdomain modularity. Biophysical Journal, 2021, 120, 4738-4750.	0.5	0
1278	An Efficient Method for a Specific Case of Detecting Impulse Noise on Scanned Documents. , 2021, , .		0
1279	Multilevel selection favors fragmentation modes that maintain cooperative interactions in multispecies communities. PLoS Computational Biology, 2021, 17, e1008896.	3.2	9
1280	Multi-scale, multi-sensor data integration for automated 3-D geological mapping. Ore Geology Reviews, 2021, 136, 104252.	2.7	38
1281	Modeling intense-electron-beam generated plasmas using a rigid-beam approximation. Physics of Plasmas, 2021, 28, .	1.9	4
1282	THOR: An Algorithm for Cadence-independent Asteroid Discovery. Astronomical Journal, 2021, 162, 143.	4.7	5
1283	An ALMA study of hub-filament systems â€" I. On the clump mass concentration within the most massive cores. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2964-2978.	4.4	21
1284	A branching process model of evolutionary rescue. Mathematical Biosciences, 2021, 341, 108708.	1.9	1
1285	Low-Energy Electron Inelastic Mean Free Path of Graphene Measured by a Time-of-Flight Spectrometer. Nanomaterials, 2021, 11, 2435.	4.1	7
1286	A Quasi-periodic Oscillation in the Î³-Ray Emission from the Non-blazar Active Galactic Nucleus PKS 0521-36. Astrophysical Journal, 2021, 919, 58.	4.5	15
1287	mpi4jax: Zero-copy MPI communication of JAX arrays. Journal of Open Source Software, 2021, 6, 3419.	4.6	10
1288	A large sub-Neptune transiting the thick-disk M4 V TOI-2406. Astronomy and Astrophysics, 2021, 653, A97.	5.1	20
1289	TOIâ€"1278 B: SPIRou Unveils a Rare Brown Dwarf Companion in Close-in Orbit around an M Dwarf. Astronomical Journal, 2021, 162, 144.	4.7	16
1290	Glass structure of industrial ground granulated blast furnace slags (GGBS) investigated by time-resolved Raman and NMR spectroscopies. Journal of Materials Science, 2021, 56, 17490-17504.	3.7	8
1291	Deep neural network for detecting arbitrary precision peptide features through attention based segmentation. Scientific Reports, 2021, 11, 18249.	3.3	4
1292	lhorizon: geometry and targeting via JPL Horizons. Journal of Open Source Software, 2021, 6, 3495.	4.6	0

#	Article	IF	Citations
1293	De novo design of tyrosine and serine kinase-driven protein switches. Nature Structural and Molecular Biology, 2021, 28, 762-770.	8.2	14
1294	A method for finding anomalous astronomical light curves and their analogues. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5734-5756.	4.4	14
1296	Planet-driven density waves in protoplanetary discs: Numerical verification of non-linear evolution theory. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2329-2349.	4.4	11
1298	On the importance of defendable resources for social evolution: Applying new techniques to a long‐standing question. Ethology, 2021, 127, 872-885.	1.1	6
1301	Asymmetric Distribution of the Solar Photospheric Magnetic-Field Values. Astrophysical Journal, 2021, 919, 102.	4.5	0
1302	Quantification of the Helicality of Helical Molecular Orbitals. Journal of Physical Chemistry A, 2021, 125, 8107-8115.	2.5	10
1303	Metabolite-Specific Echo-Planar Imaging of Hyperpolarized [1-13C]Pyruvate at 4.7 T. Tomography, 2021, 7, 466-476.	1.8	2
1304	Exploring the possibility of Peter Pan discs across stellar mass. Monthly Notices of the Royal Astronomical Society, 2021, 509, 44-51.	4.4	11
1305	CNN-Based Deep Learning Model for Solar Wind Forecasting. Solar Physics, 2021, 296, 1.	2.5	19
1306	Efficient computation of Faith's phylogenetic diversity with applications in characterizing microbiomes. Genome Research, 2021, 31, 2131-2137.	5.5	16
1307	HAWC+/SOFIA Polarimetry in L1688: Relative Orientation of Magnetic Field and Elongated Cloud Structure. Astrophysical Journal, 2021, 918, 39.	4.5	5
1308	Fast extreme-mass-ratio-inspiral waveforms: New tools for millihertz gravitational-wave data analysis. Physical Review D, 2021, 104, .	4.7	52
1309	Fenugreek steroidal saponins hinder osteoclastogenic bone resorption by targeting CSF-1R which diminishes the RANKL/OPG ratio. International Journal of Biological Macromolecules, 2021, 186, 351-364.	7.5	17
1311	The Sign Problem in Density Matrix Quantum Monte Carlo. Journal of Chemical Theory and Computation, 2021, 17, 6036-6052.	5.3	5
1313	A new journal power-weakness ratio to measure journal impact. Scientometrics, 2021, 126, 9051-9068.	3.0	0
1314	Synthia: multidimensional synthetic data generation in Python. Journal of Open Source Software, 2021, 6, 2863.	4.6	9
1315	The challenge of simultaneously matching the observed diversity of chemical abundance patterns in cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3365-3387.	4.4	24
1316	Stochastic properties of ultralight scalar field gradients. Physical Review D, 2021, 104, .	4.7	24

#	Article	IF	Citations
1317	Identifying potential exomoon signals with convolutional neural networks. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2620-2633.	4.4	2
1320	GALACTICNUCLEUS: A high-angular-resolution *JHK*$_s$ imaging survey of the Galactic centre. Astronomy and Astrophysics, 2021, 653, A133.	5.1	19
1321	Python–based Helix Indexer: A graphical user interface program for finding symmetry of helical assembly through Fourier–Bessel indexing of electron microscopic data. Protein Science, 2022, 31, 107-117.	7.6	10
1322	Heat Exchangers in Carnot Batteries: Condensation and Evaporation in a Reversible Device. Energies, 2021, 14, 5620.	3.1	6
1323	Towards a systematic treatment of observational uncertainties in forward asteroseismic modelling of gravity-mode pulsators. Astronomy and Astrophysics, 2021, 656, A158.	5.1	26
1324	Dataset for predicting single-spot proton ranges in proton therapy of prostate cancer. Scientific Data, 2021, 8, 252.	5.3	0
1326	An automated platform for assembling light-powered hydrogel microrobots and their subsequent chemical binding. Journal of Computational Science, 2021, 55, 101446.	2.9	7
1327	The updated SANAE neutron monitor. Advances in Space Research, 2021, 68, 2661-2675.	2.6	2
1328	Contribution to the Understanding of Protein–Protein Interface and Ligand Binding Site Based on Hydrophobicity Distribution—Application to Ferredoxin I and II Cases. Applied Sciences (Switzerland), 2021, 11, 8514.	2.5	4
1329	Topological flocking models in spatially heterogeneous environments. Communications Physics, 2021, 4, .	5.3	12
1330	Coupling of spliceosome complexity to intron diversity. Current Biology, 2021, 31, 4898-4910.e4.	3.9	22
1331	Vesicle Viewer: Online visualization and analysis of small-angle scattering from lipid vesicles. Biophysical Journal, 2021, 120, 4639-4648.	0.5	6
1332	Studying the generalisability of cognitive load measured with EEG. Biomedical Signal Processing and Control, 2021, 70, 103032.	5.7	8
1333	The HITRAN2020 molecular spectroscopic database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107949.	2.3	770
1334	Predicting individual neuron responses with anatomically constrained task optimization. Current Biology, 2021, 31, 4062-4075.e4.	3.9	11
1335	An object-oriented optimization framework for large-scale inverse problems. Computers and Geosciences, 2021, 154, 104790.	4.2	8
1336	Distance and extinction to the Milky Way spiral arms along the Galactic centre line of sight. Astronomy and Astrophysics, 2021, 653, A33.	5.1	17
1337	Lower-Grade Gliomas: An Epidemiological Voxel-Based Analysis of Location and Proximity to Eloquent Regions. Frontiers in Oncology, 2021, 11, 748229.	2.8	7

#	Article	IF	Citations
1338	Developing the future of gamma-ray astrophysics with monolithic silicon pixels. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1019, 165795.	1.6	14
1340	sorn: A Python package for Self Organizing Recurrent Neural Network. Journal of Open Source Software, 2021, 6, 3545.	4.6	0
1341	Cleaning Images with Gaussian Process Regression. Astronomical Journal, 2021, 162, 139.	4.7	3
1342	Insights into Comparative Modeling of VHH Domains. International Journal of Molecular Sciences, 2021, 22, 9771.	4.1	3
1343	Accurate sky signal reconstruction for ground-based spectroscopy with kinetic inductance detectors. Astronomy and Astrophysics, 2021, 656, A116.	5.1	3
1344	The SAMI galaxy survey: Mass and environment as independent drivers of galaxy dynamics. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2307-2328.	4.4	18
1345	Dynamic and reversible remapping of network representations in an unchanging environment. Neuron, 2021, 109, 2967-2980.e11.	8.1	25
1346	Using Cosmic Rays Detected by HST as Geophysical Markers. I. Detection and Characterization of Cosmic Rays. Astrophysical Journal, 2021, 918, 86.	4.5	2
1348	A Comprehensive Revisit of Select Galileo/NIMS Observations of Europa. Planetary Science Journal, 2021, 2, 183.	3.6	5
1349	Generalizing Continuum Solvation in Crystal to Nonaqueous Solvents: Implementation, Parametrization, and Application to Molecules and Surfaces. Journal of Chemical Theory and Computation, 2021, 17, 6432-6448.	5.3	2
1350	Microarcsecond Astrometry: Science Highlights from *Gaia*. Annual Review of Astronomy and Astrophysics, 2021, 59, 59-115.	24.3	28
1352	Solar-induced chlorophyll fluorescence from the Geostationary Carbon Cycle Observatory (GeoCarb): An extensive simulation study. Remote Sensing of Environment, 2021, 263, 112565.	11.0	9
1353	Local canopy disturbance as an explanation for long‐term increases in liana abundance. Ecology Letters, 2021, 24, 2635-2647.	6.4	25
1354	An Exquisitely Deep View of Quenching Galaxies through the Gravitational Lens: Stellar Population, Morphology, and Ionized Gas. Astrophysical Journal, 2021, 919, 20.	4.5	13
1356	Metal-enriched halo gas across galaxy overdensities over the last 10 billion years. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4573-4599.	4.4	30
1357	SCONES: Self-Consistent Neural Network for Protein Stability Prediction Upon Mutation. Journal of Physical Chemistry B, 2021, 125, 10657-10671.	2.6	14
1358	Estimation of countrywide N2O emissions from wastewater treatment in Switzerland using long-term monitoring data. Water Research X, 2021, 13, 100122.	6.1	28
1359	*reciprocalspaceship*: a Python library for crystallographic data analysis. Journal of Applied Crystallography, 2021, 54, 1521-1529.	4.5	14

#	ARTICLE	IF	CITATIONS
1360	Impact of scene-specific enhancement spectra on matched filter greenhouse gas retrievals from imaging spectroscopy. Remote Sensing of Environment, 2021, 264, 112574.	11.0	11
1361	Analysis methods and code for very high-precision mass measurements of unstable isotopes. Computer Physics Communications, 2021, 267, 108070.	7.5	2
1362	Robust Optimization and Validation of Echo State Networks for learning chaotic dynamics. Neural Networks, 2021, 142, 252-268.	5.9	33
1363	Classical and machine learning methods for event reconstruction in NeuLAND. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1013, 165666.	1.6	4
1364	Photovoltaic cleaning optimization through the analysis of historical time series of environmental parameters. Solar Energy, 2021, 227, 645-654.	6.1	9
1365	Within-cycle instantaneous frequency profiles report oscillatory waveform dynamics. Journal of Neurophysiology, 2021, 126, 1190-1208.	1.8	24
1366	On the state and stability of fuel cell catalyst inks. Advanced Powder Technology, 2021, 32, 3845-3859.	4.1	16
1367	MechElastic: A Python library for analysis of mechanical and elastic properties of bulk and 2D materials. Computer Physics Communications, 2021, 267, 108068.	7.5	54
1368	Delineating between-subject heterogeneity in alpha networks with Spatio-Spectral Eigenmodes. NeuroImage, 2021, 240, 118330.	4.2	8
1369	Investigating the performance of multi-objective optimization when learning Bayesian Networks. Neurocomputing, 2021, 461, 281-291.	5.9	1
1370	P-sort: an open-source software for cerebellar neurophysiology. Journal of Neurophysiology, 2021, 126, 1055-1075.	1.8	19
1371	Measuring and improving the geometric accuracy of piece-wise polynomial boundary meshes. Journal of Computational Physics, 2021, 443, 110500.	3.8	3
1372	Life cycle meta-analysis of carbon capture pathways in power plants: Implications for bioenergy with carbon capture and storage. International Journal of Greenhouse Gas Control, 2021, 111, 103468.	4.6	7
1373	Layering misalignment and negative temperature dependence of interfacial free energy of B2-liquid interfaces in a glass forming system. Acta Materialia, 2021, 219, 117259.	7.9	10
1374	A machine learning approach to quality control oceanographic data. Computers and Geosciences, 2021, 155, 104803.	4.2	8
1375	On the eigenvector bias of Fourier feature networks: From regression to solving multi-scale PDEs with physics-informed neural networks. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113938.	6.6	148
1376	Decomposing deviations of scanned surfaces of sheet metal assemblies. Journal of Manufacturing Systems, 2021, 61, 125-138.	13.9	5
1377	Ranking sets of morbidities using hypergraph centrality. Journal of Biomedical Informatics, 2021, 122, 103916.	4.3	5

#	Article	IF	Citations
1378	Making it Rain: Cloud-Based Molecular Simulations for Everyone. Journal of Chemical Information and Modeling, 2021, 61, 4852-4856.	5.4	41
1379	A Bayesian neural network predicts the dissolution of compact planetary systems. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
1380	Carnosaurs as Apex Scavengers: Agent-based simulations reveal possible vulture analogues in late Jurassic Dinosaurs. Ecological Modelling, 2021, 458, 109706.	2.5	6
1381	Molecular dynamics simulation of synchronization of a driven particle. American Journal of Physics, 2021, 89, 975-981.	0.7	1
1382	Learning the solution operator of parametric partial differential equations with physics-informed DeepONets. Science Advances, 2021, 7, eabi8605.	10.3	168
1383	An analytical method for the optical analysis of Linear Fresnel Reflectors with a flat receiver. Solar Energy, 2021, 227, 203-216.	6.1	5
1384	Fast estimation of aperture-mass statistics â€" II. Detectability of higher order statistics in current and future surveys. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3474-3494.	4.4	6
1385	Ground-coupled airwaves template match detection using broadband seismic records of explosive eruptions at PopocatÃ©petl volcano, Mexico. Journal of Volcanology and Geothermal Research, 2021, 419, 107378.	2.1	7
1386	DigiGlyc: A hybrid tool for reactive scheduling in cell culture systems. Computers and Chemical Engineering, 2021, 154, 107460.	3.8	11
1387	Dynamical network models of the turbulent cascade. Physica D: Nonlinear Phenomena, 2021, 426, 132983.	2.8	2
1388	Development of a single retention time prediction model integrating multiple liquid chromatography systems: Application to new psychoactive substances. Analytica Chimica Acta, 2021, 1184, 339035.	5.4	23
1389	Leptogenesis and low-energy CP violation in a type-II-dominated left-right seesaw model. Nuclear Physics B, 2021, 972, 115552.	2.5	3
1390	MEGnet: Automatic ICA-based artifact removal for MEG using spatiotemporal convolutional neural networks. NeuroImage, 2021, 241, 118402.	4.2	12
1391	RocketPy: Six Degree-of-Freedom Rocket Trajectory Simulator. Journal of Aerospace Engineering, 2021, 34, 04021093.	1.4	1
1392	Investigations on Explainable Artificial Intelligence methods for the deep learning classification of fibre layup defect in the automated composite manufacturing. Composites Part B: Engineering, 2021, 224, 109160.	12.0	36
1393	Estimating heterogeneous wildfire effects using synthetic controls and satellite remote sensing. Remote Sensing of Environment, 2021, 265, 112649.	11.0	6
1394	SPINN: Sparse, Physics-based, and partially Interpretable Neural Networks for PDEs. Journal of Computational Physics, 2021, 445, 110600.	3.8	28
1395	Machine learning 3D-resolved prediction of electrolyte infiltration in battery porous electrodes. Journal of Power Sources, 2021, 511, 230384.	7.8	21

#	Article	IF	Citations
1396	A rigged model of the breast for preoperative surgical planning. Journal of Biomechanics, 2021, 128, 110645.	2.1	10
1397	Topography quantifications allow for identifying the contribution of parental strains to physical properties of co-cultured biofilms. Biofilm, 2021, 3, 100044.	3.8	7
1398	Machine Learning to Predict Fascial Dehiscence after Exploratory Laparotomy Surgery. Journal of Surgical Research, 2021, 268, 514-520.	1.6	6
1399	Optimized method for Helmholtz resonator design formed by perforated boards. Applied Acoustics, 2021, 184, 108341.	3.3	11
1400	Efficient very low frequency primary calibration method for accelerometers. Measurement: Sensors, 2021, 18, 100156.	1.7	1
1401	QuantImPy: Minkowski functionals and functions with Python. SoftwareX, 2021, 16, 100823.	2.6	5
1402	Chemical short-range order in Fe50Mn30Co10Cr10 high-entropy alloy. Materials Today Nano, 2021, 16, 100139.	4.6	24
1403	mfapy: An open-source Python package for 13C-based metabolic flux analysis. Metabolic Engineering Communications, 2021, 13, e00177.	3.6	11
1404	Uniform probabilistic generation of relation instances satisfying a functional dependency. Information Systems, 2022, 103, 101848.	3.6	1
1405	Unsupervised bubble calorimetry analysis: Surface tension from isothermal titration calorimetry. Journal of Colloid and Interface Science, 2022, 606, 1823-1832.	9.4	3
1407	An efficient and fast local search based heuristic for reel management in a production line of oil extraction pipes. Computers and Operations Research, 2022, 137, 105547.	4.0	1
1408	Toxicological assessment of agrochemicals on bees using machine learning tools. Journal of Hazardous Materials, 2022, 424, 127344.	12.4	13
1409	Variable cost evaluation of heating plants in district heating systems considering the temperature impact. Applied Energy, 2022, 305, 117909.	10.1	6
1410	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. Astronomical Journal, 2021, 161, 82.	4.7	8
1411	Learning about Word Vector Representations and Deep Learning through Implementing Word2vec. , 2021, , .		1
1412	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. IEEE Access, 2021, 9, 94625-94643.	4.2	35
1413	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. Materials Chemistry Frontiers, 2021, 5, 5658-5670.	5.9	26
1414	Inferring the properties of the sources of reionization using the morphological spectra of the ionized regions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1816-1842.	4.4	15

#	Article	IF	Citations
1415	Molecular photodissociation enabled by ultrafast plasmon decay. Journal of Chemical Physics, 2021, 154, 014303.	3.0	17
1416	The Hubble PanCET Program: A Metal-rich Atmosphere for the Inflated Hot Jupiter HAT-P-41b. Astronomical Journal, 2021, 161, 51.	4.7	16
1417	Functional Magnetic Resonance Imaging Data Augmentation Through Conditional ICA. Lecture Notes in Computer Science, 2021, , 491-500.	1.3	2
1418	Sexual and asexual development: two distinct programs producing the same tunicate. Cell Reports, 2021, 34, 108681.	6.4	25
1419	TESS Hunt for Young and Maturing Exoplanets (THYME). IV. Three Small Planets Orbiting a 120 Myr Old Star in the Piscesâ€"Eridanus Stream*. Astronomical Journal, 2021, 161, 65.	4.7	34
1420	inStrain profiles population microdiversity from metagenomic data and sensitively detects shared microbial strains. Nature Biotechnology, 2021, 39, 727-736.	17.5	238
1421	Bifurcation of planetary building blocks during Solar System formation. Science, 2021, 371, 365-370.	12.6	108
1422	Subaru Hyper Suprime-Cam revisits the large-scale environmental dependence on galaxy morphology over 360â€°deg2 at z = 0.3â€"0.6. Publication of the Astronomical Society of Japan, 2021, 73, 1575-1588.	2.5	6
1423	A data-driven perspective on the colours of metalâ€"organic frameworks. Chemical Science, 2021, 12, 3587-3598.	7.4	16
1424	Quantitative Schlieren Using Gaussian Processes. , 2021, , .		0
1425	Floral Color Properties of Serpentine Seep Assemblages Depend on Community Size and Species Richness. Frontiers in Plant Science, 2020, 11, 602951.	3.6	5
1426	Kernel Phase and Coronagraphy with Automatic Differentiation. Astrophysical Journal, 2021, 907, 40.	4.5	11
1427	Modeling the Nonlinear Dynamics of Intracellular Signaling Networks. Bio-protocol, 2021, 11, e4089.	0.4	1
1428	OptiLog: A Framework for SAT-based Systems. Lecture Notes in Computer Science, 2021, , 1-10.	1.3	5
1429	Performance Analysis of Sigmoid and Relu Activation Functions in Deep Neural Network. Algorithms for Intelligent Systems, 2021, , 39-52.	0.6	7
1431	A hot mini-Neptune in the radius valley orbiting solar analogue HDâ€°110113. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4842-4857.	4.4	10
1432	A Multimodal Platform for Simultaneous T-cell Imaging, Defined Activation, and Mechanobiological Characterization. Cells, 2021, 10, 235.	4.1	4
1433	Comparative study of pitch detection algorithm to detect traditional Balinese music tones with various raw materials. Journal of Physics: Conference Series, 2021, 1722, 012071.	0.4	0

#	Article	IF	Citations
1434	IGM transmission bias for <i>z</i> ≥ 2.9 Lyman continuum detected galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 108-126.	4.4	13
1435	Deep Learning for Camera Autofocus. IEEE Transactions on Computational Imaging, 2021, 7, 258-271.	4.4	19
1436	Image Processing-based Method for Automatic Design of Patient-Specific Cranial Implant for Additive Manufacturing. Procedia Manufacturing, 2021, 53, 375-386.	1.9	2
1438	Embo: a Python package for empirical data analysis using the Information Bottleneck. Journal of Open Research Software, 2021, 9, 10.	5.9	2
1439	Citation Intent Classification Using Word Embedding. IEEE Access, 2021, 9, 9982-9995.	4.2	32
1440	Utilizing Amino Acid Composition and Entropy of Potential Open Reading Frames to Identify Protein-Coding Genes. Microorganisms, 2021, 9, 129.	3.6	5
1441	AwkwardForth: accelerating Uproot with an internal DSL. EPJ Web of Conferences, 2021, 251, 03002.	0.3	0
1443	A transferable active-learning strategy for reactive molecular force fields. Chemical Science, 2021, 12, 10944-10955.	7.4	26
1444	Coarse-Grained Parameterization of Nucleotide Cofactors and Metabolites: Protonation Constants, Partition Coefficients, and Model Topologies. Journal of Chemical Information and Modeling, 2021, 61, 335-346.	5.4	9
1445	Global Estimation and Compensation of Linear Effects in Coherent Optical Systems Based on Nonlinear Least Squares. IEEE Systems Journal, 2022, 16, 3794-3804.	4.6	1
1446	Imprint of baryons and massive neutrinos on velocity statistics. Astronomy and Astrophysics, 2020, 644, A170.	5.1	5
1447	3D FIB-SEM reconstruction of microtubule–organelle interaction in whole primary mouse β cells. Journal of Cell Biology, 2021, 220, .	5.2	64
1448	Beam propagation simulations for LISA in the presence of telescope aberrations. Classical and Quantum Gravity, 2021, 38, 035010.	4.0	5
1449	A fixed point for black hole distributions. Classical and Quantum Gravity, 2021, 38, 045012.	4.0	6
1450	Fractional ridge regression: a fast, interpretable reparameterization of ridge regression. GigaScience, 2020, 9, .	6.4	24
1451	Unravelling the enigmatic ISM conditions in Minkowski's object. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4940-4960.	4.4	9
1452	Simulations of common envelope evolution in triple systems: circumstellar case. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1921-1932.	4.4	39
1453	Revealing the impact of quasar luminosity on giant Lyα nebulae. Monthly Notices of the Royal Astronomical Society, 2021, 502, 494-509.	4.4	18

#	Article	IF	Citations
1454	The Metal Abundances across Cosmic Time (<i>MACT</i>) Survey. III â€" The relationship between stellar mass and star formation rate in extremely low-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2231-2249.	4.4	6
1455	Modelling long-period variables â€" II. Fundamental mode pulsation in the non-linear regime. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1575-1591.	4.4	20
1456	A semisupervised machine learning search for never-seen gravitational-wave sources. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5408-5419.	4.4	11
1457	Long-term X-ray variability of the symbiotic system RTâ€‰Cru based on <i>Chandra</i> spectroscopy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4801-4817.	4.4	5
1458	<i>Gaia</i> pulsars and where to find them. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1116-1126.	4.4	23
1459	Molecular hydrogen in IllustrisTNG galaxies: carefully comparing signatures of environment with local CO and SFR data. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3158-3178.	4.4	25
1460	First Light And Reionisation Epoch Simulations (FLARES) II: The Photometric Properties of High-Redshift Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	46
1461	The dynamic magnetosphere of Swift J1818.0â€"1607. Monthly Notices of the Royal Astronomical Society, 2021, 502, 127-139.	4.4	18
1462	Serendipitous discovery of a dusty disc around WDJ181417.84â˜'735459.83. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3916-3925.	4.4	3
1463	Exploring the link between Câ€‰<scp>iv</scp> outflow kinematics and sublimation-temperature dust in quasars. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3061-3073.	4.4	15
1464	Constraining reionization in progress at <i>z</i>Â= 5.7 with Lyman-Î± emitters: voids, peaks, and cosmic variance. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5294-5308.	4.4	12
1465	Stability constrained characterization of multiplanet systems. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4798-4811.	4.4	13
1466	Formation of GW190521 from stellar evolution: the impact of the hydrogen-rich envelope, dredge-up, and 12C(Î±, Î³)16O rate on the pair-instability black hole mass gap. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4514-4533.	4.4	94
1467	CODEX weak lensing mass catalogue and implications on the massâ€"richness relation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1494-1526.	4.4	6
1468	The growth of Hâ€‰<scp>ii</scp> regions around massive stars: the role of metallicity and dust. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4136-4147.	4.4	22
1502	Position-dependent matter density probability distribution function. Physical Review D, 2020, 102, .	4.7	9
1503	Inference of the Neutron Star Equation of State from Cosmological Distances. Physical Review Letters, 2020, 125, 261101.	7.8	14
1504	Gravitational-wave astronomy with an uncertain noise power spectral density. Physical Review Research, 2020, 2, .	3.6	21

#	Article	IF	Citations
1505	Hepatocellular Carcinoma (HCC) Liver Cancer prediction using Machine Learning Algorithms. , 2020, , .		8
1506	Analytics of Similar-Sounding Names from the Web with Phonetic Based Clustering. , 2020, , .		10
1507	Tensorpac: An open-source Python toolbox for tensor-based phase-amplitude coupling measurement in electrophysiological brain signals. PLoS Computational Biology, 2020, 16, e1008302.	3.2	33
1508	Do Explicit Alignments Robustly Improve Multilingual Encoders?. , 2020, , .		2
1509	matador: a Python library for analysing, curating and performing high-throughput density-functional theory calculations. Journal of Open Source Software, 2020, 5, 2563.	4.6	7
1510	qgs: A flexible Python framework of reduced-order multiscale climate models. Journal of Open Source Software, 2020, 5, 2597.	4.6	9
1511	biopeaks: a graphical user interface for feature extraction from heart- and breathing biosignals. Journal of Open Source Software, 2020, 5, 2621.	4.6	7
1513	Natural Stings: Selling Distrust About Vaccines on Brazilian YouTube. Frontiers in Communication, 2020, 5, .	1.2	12
1514	Long Short-Term Memory Network-Based Normal Pattern Group for Fault Detection of Three-Shaft Marine Gas Turbine. Energies, 2021, 14, 13.	3.1	37
1515	A Closer Look at Exoplanet Occurrence Rates: Considering the Multiplicity of Stars without Detected Planets. Astronomical Journal, 2020, 160, 287.	4.7	25
1516	An Integrated Analysis with Predictions on the Architecture of the Ï„ Ceti Planetary System, Including a Habitable Zone Planet. Astronomical Journal, 2021, 161, 17.	4.7	9
1517	ARMADA. I. Triple Companions Detected in B-type Binaries Î± Del and Î½ Gem. Astronomical Journal, 2021, 161, 40.	4.7	10
1518	The H i Structure of the Local Volume Dwarf Galaxy Pisces A. Astrophysical Journal, 2020, 903, 59.	4.5	2
1519	Herschel/PACS OH Spectroscopy of Seyfert, LINER, and Starburst Galaxies*. Astrophysical Journal, 2020, 905, 57.	4.5	7
1520	Evolution of C iv Absorbers. I. The Cosmic Incidence. Astrophysical Journal, 2020, 904, 44.	4.5	17
1521	Universal at Last? The Splashback Mass Function of Dark Matter Halos. Astrophysical Journal, 2020, 903, 87.	4.5	32
1522	Broadband Selection, Spectroscopic Identification, and Physical Properties of a Population of Extreme Emission-line Galaxies at 3 < z < 3.7*. Astrophysical Journal, 2020, 904, 180.	4.5	16
1523	Forward Modeling of Double Neutron Stars: Insights from Highly Offset Short Gamma-Ray Bursts. Astrophysical Journal, 2020, 904, 190.	4.5	13

#	Article	IF	Citations
1524	First Results from SMAUG: The Need for Preventative Stellar Feedback and Improved Baryon Cycling in Semianalytic Models of Galaxy Formation. Astrophysical Journal, 2020, 905, 4.	4.5	25
1525	A HaloSat Analysis of the Cygnus Superbubble. Astrophysical Journal, 2020, 905, 91.	4.5	5
1526	The CGM at Cosmic Noon with KCWI: Outflows from a Star-forming Galaxy at z=2.071. Astrophysical Journal, 2020, 904, 164.	4.5	13
1527	A Framework for Multiphase Galactic Wind Launching Using TIGRESS. Astrophysical Journal Letters, 2020, 903, L34.	8.3	27
1528	Constraining Gravitational Wave Polarization with GW190521 and ZTF19abanrhr. Research Notes of the AAS, 2020, 4, 209.	0.7	3
1529	Exploring Trans-Neptunian Space with TESS: A Targeted Shift-stacking Search for Planet Nine and Distant TNOs in the Galactic Plane. Planetary Science Journal, 2020, 1, 81.	3.6	11
1530	Testing water fluxes and storage from two hydrology configurations within the ORCHIDEE land surface model across US semi-arid sites. Hydrology and Earth System Sciences, 2020, 24, 5203-5230.	4.9	16
1531	On the intermittency of orographic gravity wave hotspots and its importance for middle atmosphere dynamics. Weather and Climate Dynamics, 2020, 1, 481-495.	3.5	7
1532	An interactive Python-based data processing platform for single particle and single cell ICP-MS. Journal of Analytical Atomic Spectrometry, 2021, 36, 2536-2544.	3.0	24
1533	The effect of dark matter halo shape on bar buckling and boxy/peanut bulges. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1262-1268.	4.4	10
1534	The 2D metallicity distribution and mixing scales of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1303-1322.	4.4	22
1535	The ASKAP Variables and Slow Transients (VAST) Pilot Survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	26
1536	Where's Swimmy?: Mining unique color features buried in galaxies by deep anomaly detection using Subaru Hyper Suprime-Cam data. Publication of the Astronomical Society of Japan, 2022, 74, 1-23.	2.5	8
1537	Deprojection of external barred galaxies from photometry. Monthly Notices of the Royal Astronomical Society, 2021, 508, 6209-6222.	4.4	3
1538	The large-scale monopole of the power spectrum in a Euclid-like survey: wide-angle effects, lensing, and the 'finger of the observer'. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1626-1645.	4.4	7
1539	Secure and Fast Image Encryption Algorithm Using Hyper-Chaos-Based Key Generator and Vector Operation. IEEE Access, 2021, 9, 137635-137654.	4.2	17
1540	Mathematical Modeling of a Highly Underactuated Tool for Draping Fiber Plies on Double Curved Molds. , 2021, , .		0
1541	A comparison of the optimized LSTM, XGBOOST and ARIMA in Time Series forecasting. , 2021, , .		13

#	Article	IF	Citations
1542	Redesign, Extensibility & Evaluation of a Placement Utilities Toolset. , 2021, , .		0
1543	Application of Automatic Differentiation in Electromagnetic Dosimetry - Assessment of the Absorbed Power Density in the mmWave Frequency Spectrum. , 2021, , .		3
1545	When did the initial mass function become bottom-heavy?. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1959-1984.	4.4	30
1546	Galaxy cluster strong lensing cosmography. Astronomy and Astrophysics, 2022, 657, A83.	5.1	9
1549	NGC 147 Corroborates the Break in the Stellar Massâ€"Stellar Metallicity Relation for Galaxies. Astrophysical Journal, 2021, 920, 63.	4.5	5
1550	Explaining Bad Forecasts in Global Time Series Models. Applied Sciences (Switzerland), 2021, 11, 9243.	2.5	3
1551	Estimating Magnetic Filling Factors from Simultaneous Spectroscopy and Photometry: Disentangling Spots, Plage, and Network. Astrophysical Journal, 2021, 920, 21.	4.5	10
1552	Multiphase Powerful Outflows Detected in High-z Quasars. Astrophysical Journal, 2021, 920, 24.	4.5	18
1553	Whisker trimming during infanthood modifies the development of spike-wave discharges and behavioral sequences in IntelliCage impulsivity paradigm in adult WAG/Rij rats. Behavioural Brain Research, 2022, 418, 113627.	2.2	2
1554	Dynamics of relativistic radio jets in asymmetric environments. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5239-5250.	4.4	15
1555	Solving the Schrödinger equation using program synthesis. Journal of Chemical Physics, 2021, 155, 154102.	3.0	1
1556	Signatures of plasticity, metastasis, and immunosuppression in an atlas of human small cell lung cancer. Cancer Cell, 2021, 39, 1479-1496.e18.	16.8	155
1557	Centaur 2013 VZ70 : Debris from Saturn's irregular moon population?. Astronomy and Astrophysics, 0, , .	5.1	0
1558	H-alpha and Ca ii Infrared Triplet Variations During a Transit of the 23 Myr Planet V1298 Tau c. Astronomical Journal, 2021, 162, 213.	4.7	18
1559	A radio technosignature search towards Proxima Centauri resulting in a signal of interest. Nature Astronomy, 2021, 5, 1148-1152.	10.1	17
1560	Fast estimation for robust supervised classification with mixture models. Pattern Recognition Letters, 2021, 152, 320-326.	4.2	1
1561	TESS-Keck Survey. V. Twin Sub-Neptunes Transiting the Nearby G Star HD 63935. Astronomical Journal, 2021, 162, 215.	4.7	12
1563	Are All Post-starbursts Mergers? HST Reveals Hidden Disturbances in the Majority of PSBs. Astrophysical Journal, 2021, 919, 134.	4.5	28

#	Article	IF	Citations
1564	A Comparative Analysis of Punicalagin Interaction with PDIA1 and PDIA3 by Biochemical and Computational Approaches. Biomedicines, 2021, 9, 1533.	3.2	3
1565	SOLES I: The Spin–Orbit Alignment of K2-140 b. Astronomical Journal, 2021, 162, 182.	4.7	19
1566	From Continent to Ocean: Investigating the Multi-Element and Precious Metal Geochemistry of the Paranã-Etendeka Large Igneous Province Using Machine Learning Tools. Earth Science, Systems and Society, 0, 1, .	0.0	0
1567	Identification, visualization, statistical analysis and mathematical modeling of high-feedback loops in gene regulatory networks. BMC Bioinformatics, 2021, 22, 481.	2.6	10
1568	PyArmadillo: a streamlined linear algebra library for Python. Journal of Open Source Software, 2021, 6, 3051.	4.6	1
1571	Fast Simulation of Bosonic Qubits via Gaussian Functions in Phase Space. PRX Quantum, 2021, 2, .	9.2	14
1572	Static environments with limited resources select for multiple foraging strategies rather than conformity. Ecological Monographs, 2022, 92, e1483.	5.4	10
1573	neurolib: A Simulation Framework for Whole-Brain Neural Mass Modeling. Cognitive Computation, 2023, 15, 1132-1152.	5.2	22
1574	Scikit-Dimension: A Python Package for Intrinsic Dimension Estimation. Entropy, 2021, 23, 1368.	2.2	40
1576	Combinatorial patterns of gene expression changes contribute to variable expressivity of the developmental delay-associated 16p12.1 deletion. Genome Medicine, 2021, 13, 163.	8.2	5
1578	Detection of LIGO-Virgo binary black holes in the pair-instability mass gap. Physical Review D, 2021, 104, .	4.7	7
1579	Formation of the First Two Black Hole–Neutron Star Mergers (GW200115 and GW200105) from Isolated Binary Evolution. Astrophysical Journal Letters, 2021, 920, L13.	8.3	33
1582	The colors of our brain: an integrated approach for dimensionality reduction and explainability in fMRI through color coding (i-ECO). Brain Imaging and Behavior, 2021, , 1.	2.1	1
1583	Quantifying Variability of Young Stellar Objects in the Mid-infrared Over 6 Years with the Near-Earth Object Wide-field Infrared Survey Explorer. Astrophysical Journal, 2021, 920, 132.	4.5	41
1584	An Open–Source Modular Framework for Automated Pipetting and Imaging Applications. Advanced Biology, 2022, 6, e2101063.	2.5	11
1586	Development and validation of a neural network for NAFLD diagnosis. Scientific Reports, 2021, 11, 20240.	3.3	15
1588	TESS Data for Asteroseismology (T'DA) Stellar Variability Classification Pipeline: Setup and Application to the Kepler Q9 Data. Astronomical Journal, 2021, 162, 209.	4.7	10
1589	Coupled-channel meson-meson scattering in the diabatic framework. Physical Review D, 2021, 104, .	4.7	7

#	Article	IF	Citations
1590	High-frequency Wave Power Observed in the Solar Chromosphere with IBIS and ALMA. Astrophysical Journal, 2021, 920, 125.	4.5	15
1591	Aggregation-Prone Structural Ensembles of Transthyretin Collected With Regression Analysis for NMR Chemical Shift. Frontiers in Molecular Biosciences, 2021, 8, 766830.	3.5	2
1592	The impact of stellar clustering on the observed multiplicity of super-earth systems: outsideâ€"in cascade of orbital misalignments initiated by stellar flybys. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1010-1023.	4.4	3
1593	Optimized pulsed sideband cooling and enhanced thermometry of trapped ions. Physical Review A, 2021, 104, .	2.5	6
1594	PISCOLA: a data-driven transient light-curve fitter. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3266-3283.	4.4	2
1595	Inferring Vortex and Dust Devil Statistics from InSight. Planetary Science Journal, 2021, 2, 206.	3.6	6
1596	Tomosipo: fast, flexible, and convenient 3D tomography for complex scanning geometries in Python. Optics Express, 2021, 29, 40494.	3.4	9
1598	Further Evidence for Tidal Spin-up of Hot Jupiter Host Stars. Astrophysical Journal, 2021, 919, 138.	4.5	18
1599	Gamma-Ray Burst in a Binary System. Astrophysical Journal, 2021, 921, 2.	4.5	3
1600	Functional molecular switches of mammalian G protein-coupled bitter-taste receptors. Cellular and Molecular Life Sciences, 2021, 78, 7605-7615.	5.4	6
1601	On the Damping Time Scale of EVP Sea Ice Dynamics. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002561.	3.8	1
1602	Fast robotic pencil drawing based on image evolution by means of genetic algorithm. Robotics and Autonomous Systems, 2022, 148, 103912.	5.1	11
1603	Which Is the Best In Silico Program for the Missense Variations in IDUA Gene? A Comparison of 33 Programs Plus a Conservation Score and Evaluation of 586 Missense Variants. Frontiers in Molecular Biosciences, 2021, 8, 752797.	3.5	5
1604	Variable Stars in Local Group Galaxies. VI. The Isolated Dwarfs VV 124 and KKr 25. Astrophysical Journal, 2021, 920, 152.	4.5	3
1606	Strategy and Performance Evaluation of Low-Frequency Variant Calling for SARS-CoV-2 Using Targeted Deep Illumina Sequencing. Frontiers in Microbiology, 2021, 12, 747458.	3.5	15
1607	Kinematics of Crab Giant Pulses. Astrophysical Journal, 2021, 920, 38.	4.5	11
1608	Observational Effects of Banded Repeating FRBs. Astrophysical Journal Letters, 2021, 920, L18.	8.3	19
1609	Solar Anti-Hale Bipolar Magnetic Regions: A Distinct Population with Systematic Properties. Astrophysical Journal, 2021, 920, 31.	4.5	16

#	Article	IF	Citations
1612	Determination of dynamical ages of open clusters through the A+ parameter â€" I. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4919-4937.	4.4	8
1613	<tt> <scp>pyaneti</scp> </tt> â€" II. A multidimensional Gaussian process approach to analysing spectroscopic time-series. Monthly Notices of the Royal Astronomical Society, 2021, 509, 866-883.	4.4	39
1614	Stellar and substellar companions from <i>Gaia</i> EDR3. Astronomy and Astrophysics, 2022, 657, A7.	5.1	103
1615	The Effect of Multisite Phosphorylation on the Conformational Properties of Intrinsically Disordered Proteins. International Journal of Molecular Sciences, 2021, 22, 11058.	4.1	9
1617	Dynaplex: analyzing program complexity using dynamically inferred recurrence relations. , 2021, 5, 1-23.		4
1618	<tt> BalLeRMix </tt>+: mixture model approaches for robust joint identification of both positive selection and long-term balancing selection. Bioinformatics, 2022, 38, 861-863.	4.1	3
1619	The BAyesian STellar algorithm (<tt>BASTA</tt>): a fitting tool for stellar studies, asteroseismology, exoplanets, and Galactic archaeology. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4344-4364.	4.4	26
1620	Probing modified Newtonian dynamics with hypervelocity stars. Astronomy and Astrophysics, 2022, 657, A115.	5.1	3
1621	ALMA observations of the Extended Green Object G19.01â~'0.03 â€" I. A Keplerian disc in a massive protostellar system. Monthly Notices of the Royal Astronomical Society, 2021, 509, 748-762.	4.4	12
1622	Anomaly Detection on Public Streets Using Spatial Features and a Bidirectional Sequential Classifier. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	2
1623	A Spectroscopic Analysis of the California-Kepler Survey Sample. II. Correlations of Stellar Metallicities with Planetary Architectures. Astrophysical Journal, 2021, 920, 19.	4.5	6
1625	SKAO Hâ€‰<scp>i</scp> intensity mapping: blind foreground subtraction challenge. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2048-2074.	4.4	30
1626	Spirulinaâ€based composites for <scp>3D</scp>â€printing. Journal of Polymer Science, 2021, 59, 2878-2894.	3.8	8
1627	Beyond Runaway: Initiation of the Post-runaway Greenhouse State on Rocky Exoplanets. Astrophysical Journal, 2021, 919, 130.	4.5	17
1628	Understanding Heating in Active Region Cores through Machine Learning. II. Classifying Observations. Astrophysical Journal, 2021, 919, 132.	4.5	4
1629	The Mass Budgets and Spatial Scales of Exoplanet Systems and Protoplanetary Disks. Astrophysical Journal, 2021, 920, 66.	4.5	30
1630	Mixed Modes and Asteroseismic Surface Effects. I. Analytic Treatment. Astrophysical Journal, 2021, 920, 8.	4.5	8
1631	ZTFJ0038+2030: A Long-period Eclipsing White Dwarf and a Substellar Companion. Astrophysical Journal Letters, 2021, 919, L26.	8.3	15

#	ARTICLE	IF	CITATIONS
1632	Morphological principles of neuronal mitochondria. Journal of Comparative Neurology, 2022, 530, 886-902.	1.6	14
1633	HydDown: A Python package for calculation of hydrogen (or other gas) pressure vessel filling and discharge. Journal of Open Source Software, 2021, 6, 3695.	4.6	1
1634	Automatic decomposition of electrophysiological data into distinct nonsinusoidal oscillatory modes. Journal of Neurophysiology, 2021, 126, 1670-1684.	1.8	12
1635	Search for Line-like and Box-shaped Spectral Features from Nearby Galaxy Clusters with 11.4 Years of Fermi Large Area Telescope Data. Astrophysical Journal, 2021, 920, 1.	4.5	4
1636	Filter-function formalism and software package to compute quantum processes of gate sequences for classical non-Markovian noise. Physical Review Research, 2021, 3, .	3.6	7
1638	Characterising coronal turbulence using snapshot imaging of radio bursts in 80â€"200 MHz. Astronomy and Astrophysics, 2021, 655, A77.	5.1	10
1639	Subthalamicâ€"Cortical Network Reorganization during Parkinson's Tremor. Journal of Neuroscience, 2021, 41, 9844-9858.	3.6	16
1640	Insight to Gene Expression From Promoter Libraries With the Machine Learning Workflow Exp2Ipynb. Frontiers in Bioinformatics, 2021, 1, .	2.1	4
1641	Analysis for Non-Residential Short-Term Load Forecasting Using Machine Learning and Statistical Methods with Financial Impact on the Power Market. Energies, 2021, 14, 6966.	3.1	6
1642	Extracting Dynamical Correlations and Identifying Key Residues for Allosteric Communication in Proteins by <i>correlationplus</i>. Journal of Chemical Information and Modeling, 2021, 61, 4832-4838.	5.4	21
1644	Resonances and Lander Modes Observed by InSight on Mars (1â€"9ÂHz). Bulletin of the Seismological Society of America, 2021, 111, 2924-2950.	2.3	30
1646	BayesicFitting, a PYTHON toolbox for Bayesian fitting and evidence calculation.. Astronomy and Computing, 2021, 37, 100503.	1.7	2
1647	The z â^¼ 2 [O iii] Luminosity Function of Grism-selected Emission-line Galaxies. Astrophysical Journal, 2021, 920, 78.	4.5	3
1648	Transcription and splicing dynamics during early <i>Drosophila</i> development. Rna, 2022, 28, 139-161.	3.5	11
1649	Sarc-Graph: Automated segmentation, tracking, and analysis of sarcomeres in hiPSC-derived cardiomyocytes. PLoS Computational Biology, 2021, 17, e1009443.	3.2	9
1650	The Impact of Powerful Jets on the Far-infrared Emission of an Extreme Radio Quasar at z â^¼ 6. Astrophysical Journal, 2021, 920, 150.	4.5	11
1651	Algorithmic Modelling of Advanced Chlorination Procedures for Multimetal Recovery. Metals, 2021, 11, 1595.	2.3	0
1652	Hypercubes of AGN Tori (HYPERCAT). I. Models and Image Morphology. Astrophysical Journal, 2021, 919, 136.	4.5	10

#	Article	IF	Citations
1653	An OpenCV-Based Approach for Automated Cardiac Rhythm Measurement in Zebrafish from Video Datasets. Biomolecules, 2021, 11, 1476.	4.0	10
1654	The Nuclear Star Cluster and Nuclear Stellar Disk of the Milky Way: Different Stellar Populations and Star Formation Histories. Astrophysical Journal, 2021, 920, 97.	4.5	15
1656	Mastering the Body and Tail Shape of a Distribution. Mathematics, 2021, 9, 2648.	2.2	0
1657	Kinetics Toolkit: An Open-Source Python Package to Facilitate Research in Biomechanics. Journal of Open Source Software, 2021, 6, 3714.	4.6	5
1658	Population-level deep sequencing reveals the interplay of clonal and sexual reproduction in the fungal wheat pathogen Zymoseptoria tritici. Microbial Genomics, 2021, 7, .	2.0	21
1659	New minimal, median, and maximal propagation models for dark matter searches with Galactic cosmic rays. Physical Review D, 2021, 104, .	4.7	19
1660	A Spatially Resolved Survey of Distant Quasar Host Galaxies. I. Dynamics of Galactic Outflows. Astrophysical Journal, 2021, 919, 122.	4.5	16
1662	Using Deep-Learning Algorithms to Simultaneously Identify Right and Left Ventricular Dysfunction From the Electrocardiogram. JACC: Cardiovascular Imaging, 2022, 15, 395-410.	5.3	35
1663	JUMRv1: A Sentiment Analysis Dataset for Movie Recommendation. Applied Sciences (Switzerland), 2021, 11, 9381.	2.5	5
1665	Autopolyploidization affects transcript patterns and gene targeting frequencies in Physcomitrella. Plant Cell Reports, 2022, 41, 153-173.	5.6	5
1666	Fast, highâ€precision autofocus on a motorised microscope: Automating blood sample imaging on the OpenFlexure Microscope. Journal of Microscopy, 2022, 285, 29-39.	1.8	8
1669	Metallicity Estimation of RR Lyrae Stars From Their I-Band Light Curves. Astrophysical Journal, 2021, 920, 33.	4.5	13
1670	Machine Learning Supports Robust Operation of Thermosiphon Reboilers. Chemie-Ingenieur-Technik, 0, , .	0.8	0
1672	Fast and accurate distanceâ€based phylogenetic placement using divide and conquer. Molecular Ecology Resources, 2022, 22, 1213-1227.	4.8	25
1673	Simulation of the Chiral Sum Frequency Generation Response of Supramolecular Structures Requires Vibrational Couplings. Journal of Physical Chemistry B, 2021, 125, 12072-12081.	2.6	11
1674	Environmental variability at the margin of the South American monsoon system recorded by a high-resolution sediment record from Lagoa Dourada (South Brazil). Quaternary Science Reviews, 2021, 272, 107204.	3.0	2
1675	Productivity, portability, performance. , 2021, , .		14
1676	Active neutron interrogation experiments and simulation verification using the SIngle-scintillator Neutron and Gamma-Ray spectrometer (SINGR) for geosciences. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1020, 165883.	1.6	2

#	Article	IF	Citations
1677	Revised depth of the Challenger Deep from submersible transects; including a general method for precise, pressure-derived depths in the ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 178, 103644.	1.4	11
1678	CrackDect: Detecting crack densities in images of fiber-reinforced polymers. SoftwareX, 2021, 16, 100832.	2.6	4
1679	Road pollution estimation from vehicle tracking in surveillance videos by deep convolutional neural networks. Applied Soft Computing Journal, 2021, 113, 107950.	7.2	10
1680	Sensor-based particle mass prediction of lightweight packaging waste using machine learning algorithms. Waste Management, 2021, 136, 253-265.	7.4	19
1682	Extended Sampled Tree Ensembles for Classification and Regression. SSRN Electronic Journal, 0, , .	0.4	0
1684	Going Beyond T-SNE: Exposing whatlies in Text Embeddings. , 2020, , .		2
1685	Unraveling the Role of Nanobodies Tetrad on Their Folding and Stability Assisted by Machine and Deep Learning Algorithms. Lecture Notes in Computer Science, 2020, , 93-104.	1.3	0
1686	A Criterion for the Onset of Chaos in Compact, Eccentric Multiplanet Systems. Astronomical Journal, 2021, 162, 220.	4.7	16
1688	The IGRINS YSO Survey. I. Stellar Parameters of Pre-main-sequence Stars in Taurus-Auriga. Astrophysical Journal, 2021, 921, 53.	4.5	13
1689	Operational response simulation tool for epidemics within refugee and IDP settlements: A scenario-based case study of the Cox's Bazar settlement. PLoS Computational Biology, 2021, 17, e1009360.	3.2	11
1690	Global Sky Models can Improve Flux Estimates in Pulsar and FRB Studies. Research Notes of the AAS, 2021, 5, 246.	0.7	3
1691	On single-crystal total scattering data reduction and correction protocols for analysis in direct space. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 611-636.	0.1	5
1692	Improvement in the prediction of peak particle velocity of blast-induced ground vibrations using K-means clustering. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	1
1693	Boundary Layer Circumplanetary Accretion: How Fast Could an Unmagnetized Planet Spin Up through Its Disk?. Astrophysical Journal, 2021, 921, 54.	4.5	6
1694	The Quest for the Missing Dust. I. Restoring Large-scale Emission in Herschel Maps of Local Group Galaxies. Astrophysical Journal, 2021, 921, 35.	4.5	5
1695	Investigating variations in the dust emissivity index in the Andromeda Galaxy. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5287-5300.	4.4	1
1697	The Membrane Electrical Potential and Intracellular pH as Factors Influencing Intracellular Ascorbate Concentration and Their Role in Cancer Treatment. Cells, 2021, 10, 2964.	4.1	2
1698	mRNA codon optimization with quantum computers. PLoS ONE, 2021, 16, e0259101.	2.5	16

#	Article	IF	Citations
1699	Machine Learning for Automatic Classification of Tomato Ripening Stages Using Electrophysiological Recordings. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	5
1700	A synaptic learning rule for exploiting nonlinear dendritic computation. Neuron, 2021, 109, 4001-4017.e10.	8.1	28
1701	Two newly identified eclipsing binaries in open cluster NGCâ€‰3532. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1912-1918.	4.4	1
1702	Automated high confidence compound identification of electron ionization mass spectra for nontargeted analysis. Journal of Chromatography A, 2021, 1660, 462656.	3.7	4
1704	A Corpus-Based Approach to Color, Shape, and Typography in Logos. , 2021, , 159-186.		2
1705	<i>anaklasis</i>: a compact software package for model-based analysis of specular neutron and X-ray reflectometry data sets. Journal of Applied Crystallography, 2021, 54, 1857-1866.	4.5	5
1706	Nuclei Detection in Images ofÂHematoxylin and Eosin-Stained Tissues Using Normalization of Value Channel inÂHSV Color Space. Advances in Intelligent Systems and Computing, 2022, , 8-17.	0.6	0
1707	Current observations are insufficient to confidently associate the binary black hole merger GW190521 with AGN J124942.3 + 344929. Classical and Quantum Gravity, 2021, 38, 235004.	4.0	36
1708	The normalised Sentinel-1 Global Backscatter Model, mapping Earthâ€™s land surface with C-band microwaves. Scientific Data, 2021, 8, 277.	5.3	30
1709	Non-Gaussianity and the induced gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 080.	5.4	54
1710	Artificial intelligence: A powerful paradigm for scientific research. Innovation(China), 2021, 2, 100179.	9.1	200
1711	Quantitative Evaluation of Soil Structure and Strain in Three Dimensions under Shear Using X-ray Computed Tomography Image Analysis. Journal of Imaging, 2021, 7, 230.	3.0	2
1712	UniDecCD: Deconvolution of Charge Detection-Mass Spectrometry Data. Analytical Chemistry, 2021, 93, 14722-14729.	6.5	19
1713	Quantum Machine-Learning for Eigenstate Filtration in Two-Dimensional Materials. Journal of the American Chemical Society, 2021, 143, 18426-18445.	13.7	22
1714	Continuous Parameterization of Leaf Area Index and Phenological Phases Within Deciduous Forests Based on Temperature Measurements. Frontiers in Forests and Global Change, 2021, 4, .	2.3	1
1715	Towards Validating the Effectiveness of Obstructive Sleep Apnea Classification from Electronic Health Records Using Machine Learning. Healthcare (Switzerland), 2021, 9, 1450.	2.0	17
1716	Mass Balancing of Hybrid Ion Capacitor Electrodes: A Simple and Generalized Semiempirical Approach. ACS Applied Materials & Interfaces, 2021, 13, 52610-52619.	8.0	11
1717	Label-free identification of microplastics in human cells: dark-field microscopy and deep learning study. Analytical and Bioanalytical Chemistry, 2022, 414, 1297-1312.	3.7	20

#	Article	IF	Citations
1718	An open-source machine learning framework for global analyses of parton distributions. European Physical Journal C, 2021, 81, 1.	3.9	26
1720	The density distributions of cosmic structures: impact of the local environment on weak-lensing convergence. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
1721	Improved Protein Structure Prediction Using a New Multiâ€Scale Network and Homologous Templates. Advanced Science, 2021, 8, e2102592.	11.2	65
1723	A mixture model for signature discovery from sparse mutation data. Genome Medicine, 2021, 13, 173.	8.2	8
1724	Fuzzy map comparisons enable objective hydroâ€morphodynamic model validation. Earth Surface Processes and Landforms, 2022, 47, 793-806.	2.5	3
1725	Navigating the Light-Sheet Image Analysis Software Landscape: Concepts for Driving Cohesion From Data Acquisition to Analysis. Frontiers in Cell and Developmental Biology, 2021, 9, 739079.	3.7	11
1726	A Search for Planetary Metastable Helium Absorption in the V1298 Tau System. Astronomical Journal, 2021, 162, 222.	4.7	19
1727	Fast and accurate annotation of acoustic signals with deep neural networks. ELife, 2021, 10, .	6.0	27
1728	PymoNNto: A Flexible Modular Toolbox for Designing Brain-Inspired Neural Networks. Frontiers in Neuroinformatics, 2021, 15, 715131.	2.5	1
1729	No swan song for Sun-as-a-star helioseismology: Performances of Solar-SONG for individual mode characterisation. Astronomy and Astrophysics, 0, , .	5.1	3
1730	Revisiting the Giant Radio Galaxy ESOÂ422â€"G028: Part I. Discovery of a neutral inflow and recent star formation in a restarted giant. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
1731	A scalable model of fluid flow, substrate removal and current production in microbial fuel cells. Chemosphere, 2022, 291, 132686.	8.2	8
1732	ASAS-SN search for optical counterparts of gravitational-wave events from the third observing run of Advanced LIGO/Virgo. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3427-3440.	4.4	14
1733	Confirmation of Iron Emission Lines and Nondetection of TiO on the Dayside of KELT-9b with MAROON-X. Astrophysical Journal Letters, 2021, 921, L18.	8.3	22
1734	Investigating Sources of Spectral Olivine Enrichments in Martian Bedrock Plains Using Diurnal Emissivity Changes in THEMIS Multispectral Images. Journal of Geophysical Research E: Planets, 0, , .	3.6	4
1735	An approach for outlier and novelty detection for text data based on classifier confidence. AI Communications, 2020, , 1-15.	1.2	1
1736	Gaia Pulsars and Where to Find Them in EDR3. Research Notes of the AAS, 2020, 4, 223.	0.7	2
1737	Sea-Level Change along the Emilia-Romagna Coast from Tide Gauge and Satellite Altimetry. Remote Sensing, 2021, 13, 97.	4.0	12

#	Article	IF	Citations
1739	Control and systems software for the Cosmology Large Angular Scale Surveyor (CLASS). , 2020, , .		3
1740	Characterizing the Circumgalactic Medium of the Lowest-mass Galaxies: A Case Study of IC 1613. Astrophysical Journal, 2020, 905, 133.	4.5	7
1741	The MAVIS Image Simulator: predicting the astrometric performance of MAVIS. , 2020, , .		1
1742	Deep Pose Alignment. , 2020, , .		0
1744	Image registration comparative analysis: normalized correlation versus SIFT-based registration. Radiotekhnika, 2020, , 191-196.	0.1	2
1745	Stochastic-Galerkin Finite-Difference Time-Domain for Waves in Random Layered Media. , 2020, , .		3
1747	ScopeSim: a flexible general purpose astronomical instrument data simulation framework in Python. , 2020, , .		3
1749	Flapjack: Data Management and Analysis for Genetic Circuit Characterization. ACS Synthetic Biology, 2021, 10, 183-191.	3.8	8
1750	Seeing the Bigger Picture: Rosetta Mission Amateur Observing Campaign and Lessons for the Future. Planetary Science Journal, 2020, 1, 84.	3.6	0
1751	The automated data extraction, processing, and tracking system for CHARIS. , 2020, , .		0
1753	Gaussian process foreground subtraction and power spectrum estimation for 21â€‰cm cosmology. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1463-1480.	4.4	23
1756	Assessing membership projection errors in star forming regions. Astronomy and Astrophysics, 2020, 644, A141.	5.1	0
1757	A review of simulation and performance modeling for the Roman coronagraph instrument. , 2020, , .		5
1759	Computationally prioritized drugs inhibit SARS-CoV-2 infection and syncytia formation. Briefings in Bioinformatics, 2022, 23, .	6.5	17
1760	Modeling the Spread of COVID-19 by Leveraging Machine and Deep Learning Models. Intelligent Automation and Soft Computing, 2022, 31, 1857-1872.	2.1	2
1761	Optimizing the modular adaptive faÃ§ade control strategy in open office space using integer programming and surrogate modelling. Energy and Buildings, 2022, 254, 111546.	6.7	11
1762	Meeting UK heat demands in zero emission renewable energy systems using storage and interconnectors. Applied Energy, 2022, 306, 118051.	10.1	10
1763	Model order reduction of building energy simulation models using a convolutional neural network autoencoder. Building and Environment, 2022, 207, 108498.	6.9	10

#	Article	IF	Citations
1764	Multi-objective constrained optimization for energy applications via tree ensembles. Applied Energy, 2022, 306, 118061.	10.1	11
1765	PArthENoPE revolutions. Computer Physics Communications, 2022, 271, 108205.	7.5	23
1766	On Detecting Spoofing Strategies in High Frequency Trading. SSRN Electronic Journal, 0, , .	0.4	0
1767	Decision Tree as Neural Network. Communications in Computer and Information Science, 2021, , 327-336.	0.5	0
1768	Aspectuality Across Genre: A Distributional Semantics Approach. , 2020, , .		1
1770	The variability of brightest cluster galaxies at high radio frequencies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2869-2884.	4.4	5
1771	A Three-Dimensional Reconstruction Integrated System for Brain Multiple Sclerosis Lesions. Lecture Notes in Computer Science, 2021, , 266-276.	1.3	2
1772	Learning to Fuse Asymmetric Feature Maps in Siamese Trackers. , 2021, , .		51
1773	Optimal Quantization using Scaled Codebook. , 2021, , .		1
1774	Cartoonize Images using TinyML Strategies with Transfer Learning. , 2021, , .		0
1775	Constraints on Weak Supernova Kicks from Observed Pulsar Velocities. Astrophysical Journal Letters, 2021, 920, L37.	8.3	18
1776	Novel Cosmic Ray Neutron Sensor Accurately Captures Field-Scale Soil Moisture Trends under Heterogeneous Soil Textures. Water (Switzerland), 2021, 13, 3038.	2.7	4
1777	Differential effects of PD-1 and CTLA-4 blockade on the melanoma-reactive CD8 T cell response. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
1778	All-electron real-time and imaginary-time time-dependent density functional theory within a numeric atom-centered basis function framework. Journal of Chemical Physics, 2021, 155, 154801.	3.0	14
1780	A Study of the Coevolution of Digital Organisms with an Evolutionary Cellular Automaton. Biology, 2021, 10, 1147.	2.8	2
1781	BioProv - A provenance library for bioinformatics workflows. Journal of Open Source Software, 2021, 6, 3622.	4.6	1
1782	Steady-state accretion in magnetized protoplanetary disks. Astronomy and Astrophysics, 2022, 658, A97.	5.1	21
1783	Physically-motivated basis functions for temperature maps of exoplanets. Astronomy and Astrophysics, 2022, 660, A123.	5.1	5

#	Article	IF	Citations
1785	Scalable Mitigation of Measurement Errors on Quantum Computers. PRX Quantum, 2021, 2, .	9.2	79
1786	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC_3N, CH_3CN, and $c-C_3H_2$. Astrophysical Journal, Supplement Series, 2021, 257, 9.	7.7	30
1787	Molecules with ALMA at Planet-forming Scales (MAPS). XIX. Spiral Arms, a Tail, and Diffuse Structures Traced by CO around the GM Aur Disk. Astrophysical Journal, Supplement Series, 2021, 257, 19.	7.7	33
1788	Alternative LISA-TAIJI networks: Detectability of the isotropic stochastic gravitational wave background. Physical Review D, 2021, 104, .	4.7	14
1789	The generative capacity of probabilistic protein sequence models. Nature Communications, 2021, 12, 6302.	12.8	28
1790	Distant Relatives: The Chemical Homogeneity of Comoving Pairs Identified in Gaia. Astrophysical Journal, 2021, 921, 118.	4.5	16
1791	Direct emission spectroscopy of exoplanets with the medium resolution imaging spectrometer on board JWST MIRI. Astronomy and Astrophysics, 2022, 658, A72.	5.1	15
1792	The Near-stellar Environment of Class 0 Protostars: A First Look with Near-infrared Spectroscopy. Astrophysical Journal, 2021, 921, 110.	4.5	6
1793	The Impact of Black Hole Formation on Population-averaged Supernova Yields. Astrophysical Journal, 2021, 921, 73.	4.5	12
1794	Detailed study of HWP non-idealities and their impact on future measurements of CMB polarization anisotropies from space. Astronomy and Astrophysics, 2022, 658, A15.	5.1	3
1795	A Design Procedure for Anchors of Floating Ocean Current Turbines on Weak Rock. Energies, 2021, 14, 7347.	3.1	3
1797	Clustered sparsity and Poisson-gap sampling. Journal of Biomolecular NMR, 2021, 75, 401-416.	2.8	11
1798	Sphenix: smoothed particle hydrodynamics for the next generation of galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2367-2389.	4.4	24
1799	A new way to test the Cosmological Principle: measuring our peculiar velocity and the large-scale anisotropy independently. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 009.	5.4	24
1801	EntropyHub: An open-source toolkit for entropic time series analysis. PLoS ONE, 2021, 16, e0259448.	2.5	33
1802	OpenET: Filling a Critical Data Gap in Water Management for the Western United States. Journal of the American Water Resources Association, 2022, 58, 971-994.	2.4	65
1803	TIGAR-V2: Efficient TWAS tool with nonparametric Bayesian eQTL weights of 49 tissue types from GTEx V8. Human Genetics and Genomics Advances, 2022, 3, 100068.	1.7	12
1805	Latent motives guide structure learning during adaptive social choice. Nature Human Behaviour, 2022, 6, 404-414.	12.0	5

#	Article	IF	Citations
1806	Turning AGN Bubbles into Radio Relics with Sloshing: Modeling CR Transport with Realistic Physics. Galaxies, 2021, 9, 91.	3.0	9
1807	Xist nucleates local protein gradients to propagate silencing across the X chromosome. Cell, 2021, 184, 6174-6192.e32.	28.9	62
1808	Solar Flare Effects on the Earth's Lower Ionosphere. Solar Physics, 2021, 296, 1.	2.5	16
1809	Fusion of handcrafted and deep convolutional neural network features for effective identification of diabetic foot ulcer. Concurrency Computation Practice and Experience, 2022, 34, e6690.	2.2	14
1810	Three-dimensional Core-collapse Supernova Simulations with 160 Isotopic Species Evolved to Shock Breakout. Astrophysical Journal, 2021, 921, 113.	4.5	28
1811	Simultaneous Estimation of Large-scale Structure and Milky Way Dust Extinction from Galaxy Surveys. Astrophysical Journal, 2021, 921, 108.	4.5	1
1812	<scp>CHOSEN</scp>: A synthesis of hydrometeorological data from intensively monitored catchments and comparative analysis of hydrologic extremes. Hydrological Processes, 2021, 35, e14429.	2.6	4
1813	A deep-learning toolkit for visualization and interpretation of segmented medical images. Cell Reports Methods, 2021, 1, 100107.	2.9	1
1814	Derivation and Validation of Risk Prediction Model for 30-Day Readmissions Following Transcatheter Mitral Valve Repair. Current Problems in Cardiology, 2023, 48, 101033.	2.4	1
1815	New Families in our Solar Neighborhood: Applying Gaussian Mixture Models for Objective Classification of Structures in the Milky Way and in Simulations. Astrophysical Journal, 2021, 921, 106.	4.5	8
1816	Integrated Cells and Collagen Fibers Spatial Image Analysis. Frontiers in Bioinformatics, 2021, 1, .	2.1	3
1817	Catastrophic Cooling in Superwinds. II. Exploring the Parameter Space. Astrophysical Journal, 2021, 921, 91.	4.5	8
1818	Analysis of growth cone extension in standardized coordinates highlights self-organization rules during wiring of the Drosophila visual system. PLoS Genetics, 2021, 17, e1009857.	3.5	1
1819	Anisotropic effective redshift and evolving clustering amplitude. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 006.	5.4	3
1820	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. Astrophysical Journal, Supplement Series, 2021, 257, 14.	7.7	56
1821	Implementation of disequilibrium chemistry to spectral retrieval code ARCiS and application to 16 exoplanet transmission spectra. Astronomy and Astrophysics, 2021, 656, A90.	5.1	27
1822	Permeability of cementitious materials using a multiscale pore network model. Construction and Building Materials, 2021, 312, 125298.	7.2	4
1823	pycity_scheduling—A Python framework for the development and assessment of optimisation-based power scheduling algorithms for multi-energy systems in city districts. SoftwareX, 2021, 16, 100839.	2.6	4

#	Article	IF	Citations
1824	CRAPPY: Command and Real-Time Acquisition in Parallelized Python, a Python module for experimental setups. SoftwareX, 2021, 16, 100848.	2.6	3
1835	VlaPy: A Python package for Eulerian Vlasov-Poisson-Fokker-Planck Simulations. Journal of Open Source Software, 2020, 5, 2182.	4.6	3
1837	Low-redshift quasars in the SDSS Stripe 82 â€" II. Associated companion galaxies and signature of star formation. Monthly Notices of the Royal Astronomical Society, 2020, 501, 419-439.	4.4	2
1844	IPART: A Python Package for Image-Processing based Atmospheric River Tracking. Journal of Open Source Software, 2020, 5, 2407.	4.6	2
1845	Your: Your Unified Reader. Journal of Open Source Software, 2020, 5, 2750.	4.6	9
1846	AtomNeb Python Package, an addendum to AtomNeb: IDL Library for Atomic Data of Ionized Nebulae. Journal of Open Source Software, 2020, 5, 2797.	4.6	0
1847	pyEQUIB Python Package, an addendum to proEQUIB: IDL Library for Plasma Diagnostics and Abundance Analysis. Journal of Open Source Software, 2020, 5, 2798.	4.6	1
1848	A Template-based Approach to the Photometric Classification of SN 1991bg-like Supernovae in the SDSS-II Supernova Survey. Astrophysical Journal, 2020, 904, 156.	4.5	1
1849	Zebrafish Posterior Lateral Line primordium migration requires interactions between a superficial sheath of motile cells and the skin. ELife, 2020, 9, .	6.0	17
1850	Using Slightly Imbalanced Binary Classification to Predict the Efficiency of Winter Road Maintenance. IEEE Access, 2021, 9, 160048-160063.	4.2	0
1851	Exploring the influence of atomic level structure, porosity, and stability of bismuth(iii) coordination polymers on electrocatalytic CO_2 reduction. Journal of Materials Chemistry A, 2021, 9, 26298-26310.	10.3	14
1852	The challenge of simulating the star cluster population of dwarf galaxies with resolved interstellar medium. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5938-5954.	4.4	24
1853	oflibnumpy & oflibpytorch: Optical Flow Handling and Manipulation in Python. Journal of Open Research Software, 2021, 9, .	5.9	0
1854	Analysis on the COVID-19 Impact on the Deaths Tendency in Italy and Europe. , 2021, 2, 1-15.		2
1855	scikit-rf: An Open Source Python Package for Microwave Network Creation, Analysis, and Calibration [Speakerâ€™s Corner]. IEEE Microwave Magazine, 2022, 23, 98-105.	0.8	26
1856	Prediction of qualitative antibiofilm activity of antibiotics using supervised machine learning techniques. Computers in Biology and Medicine, 2022, 140, 105065.	7.0	6
1857	Atomic-scale evidence of chemical short-range order in CrCoNi medium-entropy alloy. Acta Materialia, 2022, 224, 117490.	7.9	63
1858	FusionM4Net: A multi-stage multi-modal learning algorithm for multi-label skin lesion classification. Medical Image Analysis, 2022, 76, 102307.	11.6	33

#	ARTICLE	IF	CITATIONS
1859	A hybrid-line-and-curve search globalization technique for inexact Newton methods. Applied Numerical Mathematics, 2022, 173, 79-93.	2.1	0
1860	Giresun Kent Merkeziâ€™nde Konut FiyatlarÄ±na Etki Eden YapÄ±sal ve Ã‡evresel Etkenlerin Belirlenmesi. Akademik Ziraat Dergisi, 0, , .	0.8	1
1861	Automatically Discovering Mechanical Functions From Physical Behaviors via Clustering. , 2021, , .		1
1862	Anomaly Detection for Hydraulic Systems under Test. , 2021, , .		0
1863	A Time-Based Approach to the Modelling of Power Distribution Grids. , 2021, , .		3
1864	Metric Interpolation for the Problem of Minimizing the Maximum Lateness for a Single Machine. Automation and Remote Control, 2021, 82, 1706-1719.	0.8	2
1865	Online Handwritten Mathematical Expression Solver Using Artificial Neural Network. , 2021, , .		1
1866	Study of the Inner Structure of the Molecular Torus in IRAS 08572+3915 NW with Velocity Decomposition of CO Rovibrational Absorption Lines*. Astrophysical Journal, 2021, 921, 141.	4.5	7
1867	Constraining Scalar-tensor Theories Using Neutron Starâ€"Black Hole Gravitational Wave Events. Astrophysical Journal, 2021, 921, 149.	4.5	19
1868	Categorical Perception: A Groundwork for Deep Learning. Neural Computation, 2021, , 1-39.	2.2	3
1869	Resolving the Fastest Ejecta from Binary Neutron Star Mergers: Implications for Electromagnetic Counterparts. Astrophysical Journal, 2021, 921, 161.	4.5	11
1870	Moderately misaligned orbit of the warm sub-Saturn HD332231 b. Astronomy and Astrophysics, 0, , .	5.1	5
1871	Intraoperative Resting-State Functional Connectivity Based on RGB Imaging. Diagnostics, 2021, 11, 2067.	2.6	2
1873	Machine Learning for Conservative-to-Primitive in Relativistic Hydrodynamics. Symmetry, 2021, 13, 2157.	2.2	4
1874	Application of neural ordinary differential equations to the prediction of multi-agent systems. Artificial Life and Robotics, 0, , 1.	1.2	0
1875	The TESSâ€"Keck Survey. VI. Two Eccentric Sub-Neptunes Orbiting HIP-97166. Astronomical Journal, 2021, 162, 265.	4.7	7
1876	Three-dimensional Reconstruction of Coronal Plasma Properties from a Single Perspective. Astrophysical Journal, 2021, 922, 109.	4.5	3
1877	miRGalaxy: Galaxy-Based Framework for Interactive Analysis of microRNA and isomiR Sequencing Data. Cancers, 2021, 13, 5663.	3.7	5

#	Article	IF	Citations
1878	Python Programming in PyPI for Translational Medicine. International Journal of Translational Medicine, 2021, 1, 323-331.	0.4	3
1879	How to Use Machine Learning to Improve the Discrimination between Signal and Background at Particle Colliders. Applied Sciences (Switzerland), 2021, 11, 11076.	2.5	3
1880	Reconstructing with Less: Leakage Abuse Attacks in Two Dimensions. , 2021, , .		5
1881	Tracking the Source of Solar Type II Bursts through Comparisons of Simulations and Radio Data. Astrophysical Journal, 2021, 922, 203.	4.5	4
1882	Development of a dose estimation code for BNCT with GPU accelerated Monte Carlo and collapsed cone Convolution method. Nuclear Engineering and Technology, 2022, 54, 1769-1780.	2.3	6
1883	Image Processing Filters for Grids of Cells Analogous to Filters Processing Grids of Pixels. Frontiers in Computer Science, 2021, 3, .	2.8	2
1884	Discovery of putative tumor suppressors from CRISPR screens reveals rewired lipid metabolism in acute myeloid leukemia cells. Nature Communications, 2021, 12, 6506.	12.8	13
1885	Exploring DFT+U parameter space with a Bayesian calibration assisted by Markov chain Monte Carlo sampling. Npj Computational Materials, 2021, 7, .	8.7	8
1886	Far-ultraviolet Spectra of Main-sequence O Stars at Extremely Low Metallicity. Astrophysical Journal, 2021, 922, 191.	4.5	9
1887	CellPyLib: A Python Library for working with Cellular Automata. Journal of Open Source Software, 2021, 6, 3608.	4.6	2
1888	Miniaturizing neural networks for charge state autotuning in quantum dots. Machine Learning: Science and Technology, 2022, 3, 015001.	5.0	7
1889	The shallow structure of Mars at the InSight landing site from inversion of ambient vibrations. Nature Communications, 2021, 12, 6756.	12.8	40
1891	New Algorithm by Maximizing Mutual Information for Correction of Frequency Drifts Arising from One-Dimensional NMR Spectroscopic Data Acquisition. ACS Omega, 2021, 6, 31299-31304.	3.5	1
1892	Unexpected Short-period Variability in Dwarf Carbon Stars from the Zwicky Transient Facility. Astrophysical Journal, 2021, 922, 33.	4.5	4
1893	Simplifying the OpenFlexure microscope software with the web of things. Royal Society Open Science, 2021, 8, 211158.	2.4	5
1894	How Complete Are Surveys for Nearby Transiting Hot Jupiters?. Astronomical Journal, 2021, 162, 240.	4.7	10
1895	Probing the Wind Component of Radio Emission in Luminous High-redshift Quasars. Astronomical Journal, 2021, 162, 270.	4.7	7
1896	DNPSOUP: A simulation software package for dynamic nuclear polarization. Journal of Magnetic Resonance, 2021, 334, 107107.	2.1	3

#	ARTICLE	IF	CITATIONS
1897	Simultaneous Multiwavelength Flare Observations of EV Lacertae. Astrophysical Journal, 2021, 922, 31.	4.5	16
1898	No Transits of Proxima Centauri Planets in High-Cadence TESS Data. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	5
1899	Quantitative high-confidence human mitochondrial proteome and its dynamics in cellular context. Cell Metabolism, 2021, 33, 2464-2483.e18.	16.2	113
1900	Equality without equity: The gender pay gap at the National University of Colombia. Latin American Economic Review, 2021, , 1-30.	0.1	0
1901	Relativistic corrections for measuring Hubble's constant to 1% using stellar standard candles. Astronomy and Astrophysics, 2022, 658, A148.	5.1	7
1902	Who Ordered That? Unequal-mass Binary Black Hole Mergers Have Larger Effective Spins. Astrophysical Journal Letters, 2021, 922, L5.	8.3	62
1903	Accelerating Causal Inference and Feature Selection Methods through G-Test Computation Reuse. Entropy, 2021, 23, 1501.	2.2	1
1904	Mapping the cosmic mass distribution with stacked weak gravitational lensing and Doppler lensing. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5142-5154.	4.4	3
1905	Performance evaluation of accelerometers ADXL345 and MPU6050 exposed to random vibrational input. Research, Society and Development, 2021, 10, e286101523082.	0.1	2
1906	Toward an X-ray inventory of nearby neutron stars. Astronomy and Astrophysics, 2022, 658, A95.	5.1	3
1907	sxdm—A python framework for analysis of Scanning X-Ray Diffraction Microscopy data. Software Impacts, 2021, 10, 100172.	1.4	1
1908	Revisited Upper Reference Limits for Highly Sensitive Cardiac Troponin T in Relation to Age, Sex, and Renal Function. Journal of Clinical Medicine, 2021, 10, 5508.	2.4	3
1909	First look at the topology of reionisation redshifts in models of the epoch of reionisation. Astronomy and Astrophysics, 0, , .	5.1	7
1910	The formation and early evolution of embedded star clusters in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 6155-6168.	4.4	15
1911	Velocity structure functions in multiphase turbulence: interpreting kinematics of $H\alpha$ filaments in cool-core clusters. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2327-2343.	4.4	24
1912	Whole-cell segmentation of tissue images with human-level performance using large-scale data annotation and deep learning. Nature Biotechnology, 2022, 40, 555-565.	17.5	297
1913	On the Turbulent Reduction of Drifts for Solar Energetic Particles. Astrophysical Journal, 2021, 922, 200.	4.5	13
1915	Deeptime: a Python library for machine learning dynamical models from time series data. Machine Learning: Science and Technology, 2022, 3, 015009.	5.0	37

#	Article	IF	Citations
1916	INSTANCE â€" the Italian seismic dataset for machine learning. Earth System Science Data, 2021, 13, 5509-5544.	9.9	40
1917	Asymptotic formulae for estimating statistical significance in particle physics analyses. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 025001.	3.6	1
1918	SNEWPY: A Data Pipeline from Supernova Simulations to Neutrino Signals. Journal of Open Source Software, 2021, 6, 3772.	4.6	13
1919	Survey of Surveys. Astronomy and Astrophysics, 2022, 659, A95.	5.1	23
1920	Local DNA shape is a general principle of transcription factor binding specificity in Arabidopsis thaliana. Nature Communications, 2021, 12, 6549.	12.8	20
1921	The Green Bank Northern Celestial Cap Pulsar Survey. VI. Discovery and Timing of PSR J1759+5036: A Double Neutron Star Binary Pulsar. Astrophysical Journal, 2021, 922, 35.	4.5	14
1922	Three-dimensional genome organization via triplex-forming RNAs. Nature Structural and Molecular Biology, 2021, 28, 945-954.	8.2	18
1923	Intrinsic polarization of Wolf-Rayet stars due to the rotational modulation of the stellar wind. Astronomy and Astrophysics, 2022, 658, A46.	5.1	2
1924	$Euclid$: Forecasts from redshift-space distortions and the Alcockâ€"Paczynski test with cosmic voids. Astronomy and Astrophysics, 2022, 658, A20.	5.1	25
1925	Dust Rings as a Footprint of Planet Formation in a Protoplanetary Disk. Astrophysical Journal, 2021, 921, 169.	4.5	6
1926	X-Ray Binaries in M51 I: Catalog and Statistics. Astrophysical Journal, 2021, 922, 178.	4.5	4
1927	The CubeSpec space mission. Astronomy and Astrophysics, 2022, 658, A96.	5.1	11
1928	âˆ‚PV: An end-to-end differentiable solar-cell simulator. Computer Physics Communications, 2021, 272, 108232.	7.5	5
1929	sÃgame v3: Gas Fragmentation in Postprocessing of Cosmological Simulations for More Accurate Infrared Line Emission Modeling. Astrophysical Journal, 2021, 922, 88.	4.5	12
1930	Multisensory coding of angular head velocity in the retrosplenial cortex. Neuron, 2022, 110, 532-543.e9.	8.1	32
1931	Designing clinically translatable artificial intelligence systems for high-dimensional medical imaging. Nature Machine Intelligence, 2021, 3, 929-935.	16.0	29
1932	The VANDELS survey: Global properties of CIII]$Î»$1908 Ã… emitting star-forming galaxies at z âˆ¼ 3. Astronomy and Astrophysics, 2022, 659, A16.	5.1	16
1933	A 99 minute Double-lined White Dwarf Binary from SDSS-V. Astrophysical Journal, 2021, 921, 160.	4.5	10

#	Article	IF	Citations
1934	Applied Deep learning for categorizing dermoscopic images. , 2021, , .		0
1935	Fault detection and diagnosis with a novel source-aware autoencoder and deep residual neural network. Neurocomputing, 2022, 488, 618-633.	5.9	24
1936	On the rise times in FU Orionis events. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L37-L41.	3.3	16
1937	*pyRS*: a user-friendly package for the reduction and analysis of neutron diffraction data measured at the High Intensity Diffractometer for Residual Stress Analysis. Journal of Applied Crystallography, 2021, 54, 1886-1893.	4.5	7
1938	Water Nanoconfined in a Hydrophobic Pore: Molecular Dynamics Simulations of Transmembrane Protein 175 and the Influence of Water Models. ACS Nano, 2021, 15, 19098-19108.	14.6	14
1939	A Composite Likelihood Approach for Inference under Photometric Redshift Uncertainty. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
1940	The SIBELIUS Project: E Pluribus Unum. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1432-1446.	4.4	15
1941	A high-resolution view of the filament of gas between AbellÂ399 and AbellÂ401 from the Atacama Cosmology Telescope and MUSTANG-2. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3335-3355.	4.4	14
1942	Radiative transfer of ionizing radiation through gas and dust: grain charging in star forming regions. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
1943	Polarized Forbidden Coronal Line Emission in the Presence of Active Regions. Solar Physics, 2021, 296, 1.	2.5	2
1944	spectrapepper: A Python toolbox for advanced analysis of spectroscopic data for materials and devices.. Journal of Open Source Software, 2021, 6, 3781.	4.6	2
1945	Deep multi-task mining Calabiâ€"Yau four-folds. Machine Learning: Science and Technology, 2022, 3, 015006.	5.0	5
1946	Properties of the C ii 1334 Ã… Line in Coronal Hole and Quiet Sun as Observed by IRIS. Astrophysical Journal, 2021, 922, 112.	4.5	4
1947	Context-dependent persistency as a coding mechanism for robust and widely distributed value coding. Neuron, 2022, 110, 502-515.e11.	8.1	22
1949	A Standardized Brain Molecular Atlas: A Resource for Systems Modeling and Simulation. Frontiers in Molecular Neuroscience, 2021, 14, 604559.	2.9	3
1950	Improved optical standing-wave beam splitters for dilute Boseâ€"Einstein condensates. Journal of Applied Physics, 2021, 130, .	2.5	2
1951	3D convolutional neural networks for stalled brain capillary detection. Computers in Biology and Medicine, 2022, 141, 105089.	7.0	29
1952	Phylogenomics and population genomics of SARS-CoV-2 in Mexico during the pre-vaccination stage reveals variants of interest B.1.1.28.4 and B.1.1.222 or B.1.1.519 and the nucleocapsid mutation S194L associated with symptoms. Microbial Genomics, 2021, 7, .	2.0	13

#	Article	IF	Citations
1953	2020 BioImage Analysis Survey: Community experiences and needs for the future. Biological Imaging, 2022, 1, .	2.2	15
1956	Standardizing workflows in imaging transcriptomics with the abagen toolbox. ELife, 2021, 10, .	6.0	140
1958	Axion-photon conversion in neutron star magnetospheres: The role of the plasma in the Goldreich-Julian model. Physical Review D, 2021, 104, .	4.7	29
1959	SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. Cell, 2021, 184, 6243-6261.e27.	28.9	277
1960	Photo-Switchable Sulfonylureas Binding to ATP-Sensitive Potassium Channel Reveal the Mechanism of Light-Controlled Insulin Release. Journal of Physical Chemistry B, 2021, 125, 13111-13121.	2.6	4
1961	Hybrid quantum classical graph neural networks for particle track reconstruction. Quantum Machine Intelligence, 2021, 3, 1.	4.8	20
1962	Dissecting the Local Environment of FRB 190608 in the Spiral Arm of its Host Galaxy. Astrophysical Journal, 2021, 922, 173.	4.5	31
1963	GRQA: Global River Water Quality Archive. Earth System Science Data, 2021, 13, 5483-5507.	9.9	22
1964	Polarization-Resolved Extreme-Ultraviolet Second-Harmonic Generation from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LiNbO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><. Physical Review Letters, 2021, 127, 237402.	7.8	15
1966	A One-Shot Shift from Explore to Exploit in Monkey Prefrontal Cortex. Journal of Neuroscience, 2022, 42, 276-287.	3.6	5
1967	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4â€"650224. Astronomy and Astrophysics, 2021, 655, A52.	5.1	7
1968	Axonal T2 estimation using the spherical variance of the strongly diffusion-weighted MRI signal. Magnetic Resonance Imaging, 2022, 86, 118-134.	1.8	4
1969	Groundwater Affects the Geomorphic and Hydrologic Properties of Coevolved Landscapes. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	11
1971	The Water-ice Feature in Near-infrared Disk-scattered Light around HD 142527: Micron-sized Icy Grains Lifted up to the Disk Surface?. Astrophysical Journal, 2021, 921, 173.	4.5	12
1974	Unsupervised deep learning with higher-order total-variation regularization for multidimensional seismic data reconstruction. Geophysics, 2022, 87, V59-V73.	2.6	17
1975	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2022, 657, A90.	5.1	10
1976	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. Astronomical Journal, 2021, 162, 256.	4.7	21
1977	Attention to Fires: Multi-Channel Deep Learning Models for Wildfire Severity Prediction. Applied Sciences (Switzerland), 2021, 11, 11060.	2.5	11

#	ARTICLE	IF	CITATIONS
1978	Using deep learning for quantification of cellularity and cell lineages in bone marrow biopsies and comparison to normal age-related variation. Pathology, 2022, 54, 318-327.	0.6	6
1979	Modelling concrete and abstract concepts using brain-constrained deep neural networks. Psychological Research, 2022, 86, 2533-2559.	1.7	18
1980	Trapping interlayer excitons in van der Waals heterostructures by potential arrays. Physical Review B, 2021, 104, .	3.2	5
1981	Inflow of low-metallicity cool gas in the halo of the Andromeda galaxy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4849-4864.	4.4	8
1982	Modeling and interpreting hydrological responses of sustainable urban drainage systems with explainable machine learning methods. Hydrology and Earth System Sciences, 2021, 25, 5839-5858.	4.9	17
1984	<scp>Substrate‐assisted</scp> activation and selectivity of the bacterial <scp>RavD</scp> effector deubiquitinylase. Proteins: Structure, Function and Bioinformatics, 2022, 90, 947-958.	2.6	4
1985	Probing the association between resting-state brain network dynamics and psychological resilience. Network Neuroscience, 2022, 6, 175-195.	2.6	1
1986	Comprehensive Analysis of a Dense Sample of FRB 121102 Bursts. Astrophysical Journal, 2021, 922, 115.	4.5	16
1987	Time-Resolved Geometric Feature Tracking Elucidates Laser-Induced Keyhole Dynamics. Integrating Materials and Manufacturing Innovation, 2021, 10, 677-688.	2.6	4
1988	Exploring the Role of Cluster Formation in UiO Family Hf Metal–Organic Frameworks with <i>in Situ</i> X-ray Pair Distribution Function Analysis. Journal of the American Chemical Society, 2021, 143, 19668-19683.	13.7	24
1989	Dynamical orbital evolution scenarios of the wide-orbit eccentric planet HRÂ5183b. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3616-3625.	4.4	4
1990	Analysis of Early Science observations with the CHaracterising ExOPlanets Satellite (<i>CHEOPS</i>) using <scp>pycheops</scp>. Monthly Notices of the Royal Astronomical Society, 2022, 514, 77-104.	4.4	38
1991	Observable gravitational waves from tidal disruption events and their electromagnetic counterpart. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2025-2040.	4.4	6
1992	Mixed Modes and Asteroseismic Surface Effects. II. Subgiant Systematics. Astrophysical Journal, 2021, 922, 18.	4.5	6
1993	Evolving Deep Architecture Generation with Residual Connections for Image Classification Using Particle Swarm Optimization. Sensors, 2021, 21, 7936.	3.8	13
1997	An online GPCR structure analysis platform. Nature Structural and Molecular Biology, 2021, 28, 875-878.	8.2	16
1998	Direct Approach or Detour: A Comparative Model of Inhibition and Neural Ensemble Size in Behavior Selection. Frontiers in Systems Neuroscience, 2021, 15, 752219.	2.5	0
1999	Mesmerize is a dynamically adaptable user-friendly analysis platform for 2D and 3D calcium imaging data. Nature Communications, 2021, 12, 6569.	12.8	15

#	Article	IF	Citations
2000	Rotation Curves in z ≃ 1–2 Star-forming Disks: Comparison of Dark Matter Fractions and Disk Properties for Different Fitting Methods. Astrophysical Journal, 2021, 922, 143.	4.5	19
2001	Spectral method for time-strain separable integral constitutive models in oscillatory shear. Physics of Fluids, 2021, 33, .	4.0	7
2002	Star Formation Regulation and Self-pollution by Stellar Wind Feedback. Astrophysical Journal Letters, 2021, 922, L3.	8.3	20
2004	Atomic Iron and Nickel in the Coma of C/1996 B2 (Hyakutake): Production Rates, Emission Mechanisms, and Possible Parents. Planetary Science Journal, 2021, 2, 228.	3.6	4
2005	Are blazars above the blazar sequence a significant source of IceCube neutrinos?. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4620-4625.	4.4	2
2006	Physicochemical properties determining drug detection in skin. Clinical and Translational Science, 2022, 15, 761-770.	3.1	7
2007	Integrative structural modeling of macromolecular complexes using Assembline. Nature Protocols, 2022, 17, 152-176.	12.0	33
2008	Acyl-chain saturation regulates the order of phosphatidylinositol 4,5-bisphosphate nanodomains. Communications Chemistry, 2021, 4, .	4.5	4
2010	Mass Spectrometry Adduct Calculator. Journal of Chemical Information and Modeling, 2021, 61, 5721-5725.	5.4	7
2011	Investigation of microcystin conformation and binding towards PPP1 by molecular dynamics simulation. Chemico-Biological Interactions, 2022, 351, 109766.	4.0	5
2013	Accessible data curation and analytics for international-scale citizen science datasets. Scientific Data, 2021, 8, 297.	5.3	18
2014	Structural mechanism for regulation of Rab7 by site-specific monoubiquitination. International Journal of Biological Macromolecules, 2022, 194, 347-357.	7.5	3
2015	The MODFLOW Application Programming Interface for simulation control and software interoperability. Environmental Modelling and Software, 2022, 148, 105257.	4.5	16
2016	Maxsmi: Maximizing molecular property prediction performance with confidence estimation using SMILES augmentation and deep learning. Artificial Intelligence in the Life Sciences, 2021, 1, 100014.	2.2	6
2017	What's Behind the Elephant's Trunk? Identifying Young Stellar Objects on the Outskirts of IC 1396*. Astronomical Journal, 2021, 162, 279.	4.7	6
2018	Discovery, TESS Characterization, and Modeling of Pulsations in the Extremely Low-mass White Dwarf GD 278. Astrophysical Journal, 2021, 922, 220.	4.5	3
2020	Benchmarking the Viability of 3D Printed Micromodels for Single Phase Flow Using Particle Image Velocimetry and Direct Numerical Simulations. Transport in Porous Media, 2022, 141, 279-294.	2.6	9
2021	ParSNIP: Generative Models of Transient Light Curves with Physics-enabled Deep Learning. Astronomical Journal, 2021, 162, 275.	4.7	9

#	ARTICLE	IF	CITATIONS
2022	An evolving framework for fault diagnosis of dynamic systems. Software Impacts, 2021, , 100189.	1.4	0
2023	Transient exposure of a buried phosphorylation site in an autoinhibited protein. Biophysical Journal, 2022, 121, 91-101.	0.5	8
2024	Prediction of Prostate Cancer Disease Aggressiveness Using Bi-Parametric Mri Radiomics. Cancers, 2021, 13, 6065.	3.7	16
2025	The impact of the presence of water ice on the analysis of debris disk observations. Astronomy and Astrophysics, 2022, 658, A121.	5.1	2
2026	pyFIRI â€" A free and open source Python software package of the non-auroral Earthâ€™s lower ionosphere. SoftwareX, 2021, 16, 100885.	2.6	1
2027	TESS Data for Asteroseismology: Light-curve Systematics Correction. Astrophysical Journal, Supplement Series, 2021, 257, 53.	7.7	9
2028	Operational Modes Detection in Industrial Gas Turbines Using an Ensemble of Clustering Methods. Sensors, 2021, 21, 8047.	3.8	5
2029	Impacts of constraints and uncertainties on projected amount of Hanford low-activity waste glasses. Nuclear Engineering and Design, 2021, 385, 111543.	1.7	12
2030	Fast, Cheap, and Turbulentâ€"Global Ocean Modeling With GPU Acceleration in Python. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002717.	3.8	8
2032	Blood pressure altering method affects correlation with pulse arrival time. Blood Pressure Monitoring, 2021, Publish Ahead of Print, .	0.8	3
2033	Optical lattice with spin-dependent sub-wavelength barriers. SciPost Physics, 2021, 11, .	4.9	3
2034	Robust deep learning model for prognostic stratification of pancreatic ductal adenocarcinoma patients. IScience, 2021, 24, 103415.	4.1	6
2035	Understanding the Energy vs. Adversarial Robustness Trade-Off in Deep Neural Networks. IEEE Open Journal of Circuits and Systems, 2021, 2, 843-855.	1.9	0
2037	A Just-In-Time Compilation Approach forÂNeural Dynamics Simulation. Lecture Notes in Computer Science, 2021, , 15-26.	1.3	2
2038	Neuroevolution-Based Efficient Field Effect Transistor Compact Device Models. IEEE Access, 2021, 9, 159048-159058.	4.2	5
2041	Dissociation Between Usersâ€™ Explicit and Implicit Attitudes Toward Artificial Intelligence: An Experimental Study. IEEE Transactions on Human-Machine Systems, 2022, 52, 481-489.	3.5	14
2042	Can super-resolution microscopy become a standard characterization technique for materials chemistry?. Chemical Science, 2022, 13, 2152-2166.	7.4	14
2043	Hunting Android Malware Using Multimodal Deep Learning and Hybrid Analysis Data. , 0, , .		2

#	ARTICLE	IF	CITATIONS
2044	AutoML Technologies for the Identification of Sparse Models. Lecture Notes in Computer Science, 2021, , 65-75.	1.3	0
2045	HÎ± emission in the outskirts of galaxies at <i>z</i> = 0.4. Publication of the Astronomical Society of Japan, 2022, 74, 318-325.	2.5	0
2046	Semi-Synthetic EEG Data for the Evaluation of EEG Cleaning Methods. SSRN Electronic Journal, 0, , .	0.4	0
2048	Clustering of Similar Historical Alarm Subsequences in Industrial Control Systems Using Alarm Series and Characteristic Coactivations. IEEE Access, 2021, 9, 154965-154974.	4.2	7
2049	A Self-Supervised Deep Learning Approach for Blind Denoising and Waveform Coherence Enhancement in Distributed Acoustic Sensing Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3371-3384.	11.3	20
2050	pysky: An Application for the Planning of Multi-Target Astronomical Observations. Journal of Applied Mathematics and Physics, 2021, 09, 2765-2775.	0.4	0
2051	Nonradiative relaxation mechanisms of the elusive silole molecule. Physical Chemistry Chemical Physics, 2021, 23, 26561-26574.	2.8	2
2052	OUP accepted manuscript. Biology Methods and Protocols, 2021, 6, bpab021.	2.2	5
2053	Self-Supervised Detection of Contextual Synonyms in a Multi-Class Setting: Phenotype Annotation Use Case. , 2021, , .		3
2055	Obstructive Sleep Apnoea Syndrome Screening Through Wrist-Worn Smartbands: A Machine-Learning Approach. SSRN Electronic Journal, 0, , .	0.4	0
2056	Learning a Generic Olfactory Search Strategy From Silk Moths by Deep Inverse Reinforcement Learning. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 241-253.	3.2	0
2057	Ocean acidification reduces the growth of two Southern Ocean phytoplankton. Marine Ecology - Progress Series, 2022, 682, 51-64.	1.9	3
2058	Pattern detection in the activation space for identifying synthesized content. Pattern Recognition Letters, 2022, 153, 207-213.	4.2	1
2059	Automated Quantification of Occupant Posture and Shoulder Belt Fit Using Safety Specific Key Points. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 89-103.	4.8	0
2060	Numerical simulations of the random angular momentum in convection: Implications for supergiant collapse to form black holes. Monthly Notices of the Royal Astronomical Society, 2022, 511, 176-197.	4.4	28
2061	Optimizing charge-balanced pulse stimulation for desynchronization. Chaos, 2022, 32, 013103.	2.5	1
2062	Lunar PAD Post-Hot Fire Test Performance Evaluation. , 2022, , .		1
2063	Structure-function relationships of the disease-linked A218T oxytocin receptor variant. Molecular Psychiatry, 2022, 27, 907-917.	7.9	17

#	ARTICLE	IF	CITATIONS
2064	CRISPR guides induce gene silencing in plants in the absence of Cas. Genome Biology, 2022, 23, 6.	8.8	22
2066	Radar-Based Robust People Tracking and Consumer Applications. IEEE Sensors Journal, 2022, 22, 3726-3735.	4.7	10
2067	De-risking the energy transition by quantifying the uncertainties in fault stability. Solid Earth, 2022, 13, 15-39.	2.8	3
2068	Towards a metagenomics machine learning interpretable model for understanding the transition from adenoma to colorectal cancer. Scientific Reports, 2022, 12, 450.	3.3	11
2070	Visual Field Sensitivity Prediction Using Optical Coherence Tomography Analysis in Hydroxychloroquine Toxicity. , 2022, 63, 15.		0
2071	PyCO2SYS v1.8: marine carbonate system calculations in Python. Geoscientific Model Development, 2022, 15, 15-43.	3.6	35
2072	Phase-resolved spectroscopy of a quasi-periodic oscillation in the black hole X-ray binary GRSÂ1915+105 with <i>NICER</i> and <i>NuSTAR</i>. Monthly Notices of the Royal Astronomical Society, 2022, 511, 255-279.	4.4	28
2073	Cosmological constraints from weak lensing peaks: Can halo models accurately predict peak counts?. Physical Review D, 2022, 105, .	4.7	3
2074	Tuning of extended state observer with neural network-based control performance assessment. European Journal of Control, 2022, 64, 100609-100609.	2.6	3
2075	Classification of Daily Crop Phenology in PhenoCams Using Deep Learning and Hidden Markov Models. Remote Sensing, 2022, 14, 286.	4.0	9
2076	Hierarchical deep reinforcement learning reveals a modular mechanism of cell movement. Nature Machine Intelligence, 2022, 4, 73-83.	16.0	7
2077	Extending Association Rule Mining to Microbiome Pattern Analysis: Tools and Guidelines to Support Real Applications. Frontiers in Bioinformatics, 2022, 1, .	2.1	4
2078	GFAP splice variants fine-tune glioma cell invasion and tumour dynamics by modulating migration persistence. Scientific Reports, 2022, 12, 424.	3.3	17
2079	Imaging moirÃ© deformation and dynamics in twisted bilayer graphene. Nature Communications, 2022, 13, 70.	12.8	16
2080	Simframe: A Python Framework for Scientific Simulations. Journal of Open Source Software, 2022, 7, 3882.	4.6	3
2081	Screening two biodegradable polymers in enhanced efficiency fertiliser formulations reveals the need to prioritise performance goals. Journal of Environmental Management, 2022, 304, 114264.	7.8	3
2082	The Gravitational-wave Optical Transient Observer (GOTO): prototype performance and prospects for transient science. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2405-2422.	4.4	18
2083	Latent cure epoxy resins for reliable joints in secondary-bonded composite structures. Composites Part B: Engineering, 2022, 231, 109603.	12.0	5

#	ARTICLE	IF	CITATIONS
2084	Formation and morphology of closed and porous films grown from grains seeded on substrates: Two-dimensional simulations. Acta Materialia, 2022, 225, 117555.	7.9	5
2085	Resuming elective surgery after COVID-19: A simulation modelling framework for guiding the phased opening of operating rooms. International Journal of Medical Informatics, 2022, 158, 104665.	3.3	5
2086	Optimized continuous-thrust round-trip trajectories to ultra-low Î"ν ISRU targets. Planetary and Space Science, 2022, 211, 105407.	1.7	2
2087	Developing a deep learning-based layer-3 solution for thermal infrared large-scale photovoltaic module inspection from orthorectified big UAV imagery data. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102652.	2.8	17
2088	GIPPE-RPT: Geant4 interface for particle physics experiments applied to Radioactive Particle Tracking. Applied Radiation and Isotopes, 2022, 180, 110041.	1.5	6
2089	Elemental mapping of fluorine by means of molecular laser induced breakdown spectroscopy. Analytica Chimica Acta, 2022, 1195, 339422.	5.4	11
2090	EMDA: A Python package for Electron Microscopy Data Analysis. Journal of Structural Biology, 2022, 214, 107826.	2.8	22
2091	The relativistic Schrödinger equation through FFTW 3: An extension of quantumfdtd. Computer Physics Communications, 2022, 272, 108250.	7.5	3
2092	Machine Learning Outperforms Classical Forecasting on Horticultural Sales Predictions. Machine Learning With Applications, 2022, 7, 100239.	4.4	14
2093	Enhancing urban resilience evaluation systems through automated rational and consistent decision-making simulations. Sustainable Cities and Society, 2022, 78, 103612.	10.4	17
2094	MFDFA: Efficient multifractal detrended fluctuation analysis in python. Computer Physics Communications, 2022, 273, 108254.	7.5	21
2095	Python Group Additivity (pGrAdd) software for estimating species thermochemical properties. Computer Physics Communications, 2022, 273, 108277.	7.5	6
2096	BanditFuzz: Fuzzing SMT Solvers with Multi-agent Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 103-121.	1.3	9
2097	Grid Screener: A Tool for Automated High-Throughput Screening on Biochemical and Biological Analysis Platforms. IEEE Access, 2021, 9, 166027-166038.	4.2	4
2098	Development of a Mobile System for Interactive Forecasting of Statistical Graph Data. , 2021, , .		0
2099	Comprehensive justification for the choice of software development tools and hardware components of a multi-channel neurointerface system. , 2021, , .		1
2100	Sadewa satellite remote sensing data to Manggarai 1-hour water level machine learning model. , 2021, , .		0
2101	An Artificial Intelligence Hearing Aid Based on Two-level Neural Network. , 2021, , .		1

#	Article	IF	Citations
2102	Accelerate Graph Neural Network Training by Reusing Batch Data on GPUs. , 2021, , .		2
2103	Curricular Complexity of Student Schedules Compared to a Canonical Degree Roadmap. , 2021, , .		1
2104	Multisensor-Pipeline: A Lightweight, Flexible, and Extensible Framework for Building Multimodal-Multisensor Interfaces. , 2021, , .		2
2105	DeepImageTranslator: A free, user-friendly graphical interface for image translation using deep-learning and its applications in 3D CT image analysis. SLAS Technology, 2022, 27, 76-84.	1.9	10
2106	PyPacho: A Python library that implements parallel basic operations on GPUs. , 2021, , .		1
2107	Image-Based Tomato Maturity Classification and Detection Using Faster R-CNN Method. , 2021, , .		7
2108	An approach based on image processing techniques to segment lung region in chest X-ray images. , 2021, , .		0
2110	Contrasts in Top Soil Infiltration Processes for Degraded vs. Restored Lands. A Case Study at the Perijá Range in Colombia. Forests, 2021, 12, 1716.	2.1	4
2111	New explainability method for BERT-based model in fake news detection. Scientific Reports, 2021, 11, 23705.	3.3	41
2112	Forbidden Line Emission from Type Ia Supernova Remnants Containing Balmer-dominated Shells. Astrophysical Journal, 2021, 923, 141.	4.5	6
2113	Rapid early gas accretion for the inner Galactic disc. A case for a short accretion timescale. Astronomy and Astrophysics, 0, , .	5.1	2
2114	Measurement of seismometer misorientation based on P-wave polarization: application to permanent seismic network in South Korea. Geosciences Journal, 2022, 26, 235.	1.2	4
2116	Ubiquitous [O ii] Emission in Quiescent Galaxies at $z \approx 0.85$ from the LEGA-C Survey*. Astrophysical Journal, 2021, 923, 18.	4.5	8
2117	Relativistic Dynamical Stability Criterion of Multiplanet Systems with a Distant Companion. Astrophysical Journal, 2021, 923, 118.	4.5	6
2118	Utility of the 13 C€pantoprazole breath test as a CYP2C19 phenotyping probe for children. Clinical and Translational Science, 2022, , .	3.1	1
2119	Quantifying the effects of cooperative hydrogen bonds between vicinal diols on polymer dynamics. Soft Matter, 2022, 18, 1275-1286.	2.7	2
2120	The Structure of Multiphase Galactic Winds. Astrophysical Journal, 2022, 924, 82.	4.5	58
2121	Computational models of human social behavior and neuroscience: An open educational course and Jupyter Book to advance computational training. The Journal of Open Source Education, 2022, 5, 146.	0.4	1

#	Article	IF	Citations
2122	Full scale structural, mechanical and dynamical properties of HIV-1 liposomes. PLoS Computational Biology, 2022, 18, e1009781.	3.2	9
2123	On the determination of ionospheric electron density profiles using multi-frequency riometry. Geoscientific Instrumentation, Methods and Data Systems, 2022, 11, 25-35.	1.6	2
2124	Mining the Ultrahot Skies of HAT-P-70b: Detection of a Profusion of Neutral and Ionized Species. Astronomical Journal, 2022, 163, 96.	4.7	21
2125	PyLithics: A Python package for stone tool analysis. Journal of Open Source Software, 2022, 7, 3738.	4.6	2
2126	Measurement of prompt charged-particle production in pp collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
2127	UOCS â€" VII. Blue straggler populations of open cluster NGC 7789 with UVIT/AstroSat. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2274-2284.	4.4	14
2128	Dynamical Mass of the Young Substellar Companion HD 984 B. Astronomical Journal, 2022, 163, 50.	4.7	19
2129	Insights on the mutational landscape of the SARS-CoV-2 Omicron variant receptor-binding domain. Cell Reports Medicine, 2022, 3, 100527.	6.5	47
2130	Could the Magnetic Star HD 135348 Possess a Rigidly Rotating Magnetosphere?. Astrophysical Journal Letters, 2022, 924, L10.	8.3	5
2131	128383 (2004 JW$_{52}$) is an Ordinary Jupiter Trojan Asteroid. Research Notes of the AAS, 2022, 6, 10.	0.7	0
2132	Coronal Mass Ejections and Type II Radio Emission Variability during a Magnetic Cycle on the Solar-type Star Ïμ Eridani. Astrophysical Journal, 2022, 924, 115.	4.5	6
2133	Unlocking the Potential of Deep Learning for Migratory Waterbirds Monitoring Using Surveillance Video. Remote Sensing, 2022, 14, 514.	4.0	5
2134	Magnesium Ions Moderate Calcium-Induced Calcium Release in Cardiac Calcium Release Sites by Binding to Ryanodine Receptor Activation and Inhibition Sites. Frontiers in Physiology, 2021, 12, 805956.	2.8	1
2135	Interpreting hydrogen-deuterium exchange experiments with molecular simulations: Tutorials and applications of the HDXer ensemble reweighting software [Article v1.0]. Living Journal of Computational Molecular Science, 2022, 3, .	6.4	3
2136	Algorithmic Pulsar Timing. Astronomical Journal, 2022, 163, 84.	4.7	2
2138	A parametric framework for multidimensional linear measurement error regression. PLoS ONE, 2022, 17, e0262148.	2.5	0
2139	The impact of cosmic-ray attenuation on the carbon cycle emission in molecular clouds. Astronomy and Astrophysics, 2022, 658, A151.	5.1	9
2140	Method of restoring the geofield values based on data from a highly mobile geosensors network using an automatic adaptive technique for determining the parameters of the local regression kernel. Geodeziya I Kartografiya, 2022, 978, 23-33.	0.3	2

#	Article	IF	Citations
2141	Toward Performing Image Classification and Object Detection With Convolutional Neural Networks in Autonomous Driving Systems: A Survey. IEEE Access, 2022, 10, 14076-14119.	4.2	16
2142	Forensic reconstruction of galaxy colour evolution and population characterization. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5405-5427.	4.4	4
2143	High-speed fluorescence imageâ€"enabled cell sorting. Science, 2022, 375, 315-320.	12.6	121
2144	Study of changes in the pulsation period of 148 Galactic Cepheid variables. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2125-2146.	4.4	7
2145	Body volume and mass estimation of southern elephant seals using 3D range scanning and neural network models. Marine Mammal Science, 0, , .	1.8	1
2146	Bayesian parameter estimation in chiral effective field theory using the Hamiltonian Monte Carlo method. Physical Review C, 2022, 105, .	2.9	8
2147	Expediting DECam Multimessenger Counterpart Searches with Convolutional Neural Networks. Astrophysical Journal, 2022, 925, 44.	4.5	2
2148	Detecting White Pine Needle Damage through Satellite Remote Sensing. Canadian Journal of Remote Sensing, 2022, 48, 239-257.	2.4	3
2149	An Integrative Analysis of the HD 219134 Planetary System and the Inner solar system: Extending DYNAMITE with Enhanced Orbital Dynamical Stability Criteria. Astronomical Journal, 2022, 163, 88.	4.7	3
2150	Decoding gene regulation in the fly brain. Nature, 2022, 601, 630-636.	27.8	102
2151	Modeling mRNA-based vaccine YFV.E1988 against yellow fever virus E-protein using immuno-informatics and reverse vaccinology approach. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1617-1638.	3.5	3
2152	Computing a projection operator onto the null space of a linear imaging operator: tutorial. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 470.	1.5	2
2153	Measuring Stimulus-Evoked Neurophysiological Differentiation in Distinct Populations of Neurons in Mouse Visual Cortex. ENeuro, 2022, 9, ENEURO.0280-21.2021.	1.9	5
2154	ExTaxsI: an exploration tool of biodiversity molecular data. GigaScience, 2022, 11, .	6.4	2
2156	An Imaging Search for Post-main-sequence Planets of Sirius B. Astronomical Journal, 2022, 163, 81.	4.7	1
2157	Characterization of biofilm structure and properties via processing of 2D optical coherence tomography images in BISCAP. Bioinformatics, 2022, 38, 1708-1715.	4.1	7
2158	Ainâ€™t No Mountain High Enough: Semiparametric Modeling of LIGOâ€"Virgoâ€™s Binary Black Hole Mass Distribution. Astrophysical Journal, 2022, 924, 101.	4.5	31
2159	No Significant Correlation between Line-emission and Continuum Substructures in the Molecules with ALMA at Planet-forming Scales Program. Astrophysical Journal Letters, 2022, 924, L31.	8.3	10

#	Article	IF	Citations
2160	Meconium Microbiome of Very Preterm Infants across Germany. MSphere, 2022, 7, e0080821.	2.9	15
2161	python package for dark matter scattering in dielectric targets. Physical Review D, 2022, 105, .	4.7	32
2163	The Role of Structure MRI in Diagnosing Autism. Diagnostics, 2022, 12, 165.	2.6	14
2164	Transmissivity and groundwater flow exert a strong influence on drainage density. Earth Surface Dynamics, 2022, 10, 1-22.	2.4	5
2165	AMICO galaxy clusters in KiDS-DR3: measurement of the halo bias and power spectrum normalization from a stacked weak lensing analysis. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1484-1501.	4.4	7
2166	Power spectrum analysis in supersonic/hypersonic turbulent boundary layers. , 2022, , .		5
2167	TESS Eclipsing Binary Stars. I. Short-cadence Observations of 4584 Eclipsing Binaries in Sectors 1â€"26. Astrophysical Journal, Supplement Series, 2022, 258, 16.	7.7	50
2169	On the Improvement of Cellular Coverage Maps by Filtering MDT Measurements. IEEE Transactions on Mobile Computing, 2023, 22, 4119-4133.	5.8	0
2170	Size matters: tissue size as a marker for a transition between reactionâ€"diffusion regimes in spatio-temporal distribution of morphogens. Royal Society Open Science, 2022, 9, 211112.	2.4	1
2171	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of Î¼ Men c. Astronomical Journal, 2022, 163, 79.	4.7	22
2172	multiFLEX-LF: A Computational Approach to Quantify the Modification Stoichiometries in Label-Free Proteomics Data Sets. Journal of Proteome Research, 2022, 21, 899-909.	3.7	1
2173	Physicalâ€"Chemical Properties of Compressible Clathrates: A Natural Pressure Shift by Extending the van der Waals and Platteeuw Model. Journal of Physical Chemistry C, 2022, 126, 2839-2856.	3.1	0
2174	agnpy: An open-source python package modelling the radiative processes of jetted active galactic nuclei. Astronomy and Astrophysics, 2022, 660, A18.	5.1	11
2175	Planetary nebula luminosity function distances for 19 galaxies observed by PHANGSâ€"MUSE. Monthly Notices of the Royal Astronomical Society, 2022, 511, 6087-6109.	4.4	15
2176	Validation of edge turbulence codes against the TCV-X21 diverted L-mode reference case. Nuclear Fusion, 2022, 62, 096001.	3.5	18
2177	Considerations for Optimizing the Photometric Classification of Supernovae from the Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 258, 23.	7.7	8
2178	Respiratory support status from EHR data for adult population: classification, heuristics, and usage in predictive modeling. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 813-821.	4.4	2
2179	Exploring the use of machine learning for the assessment of skeletal fracture morphology and differentiation between impact mechanisms: A pilot study. Journal of Forensic Sciences, 2022, 67, 683-696.	1.6	1

#	Article	IF	Citations
2180	pyCSEP: A Python Toolkit For Earthquake Forecast Developers. Journal of Open Source Software, 2022, 7, 3658.	4.6	7
2181	Competition for Endothelial Cell Polarity Drives Vascular Morphogenesis. SSRN Electronic Journal, 0, , .	0.4	1
2182	Not All Testers are Admitters: An Analysis of Emergency Physician Resource Utilization and Consultation Rates. Journal of Emergency Medicine, 2022, 62, 468-474.	0.7	1
2183	On the Origin of Seismic Anisotropy in the Shallow Crust of the Northern Volcanic Zone, Iceland. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
2184	SuPepMem: A database of innate immune system peptides and their cell membrane interactions. Computational and Structural Biotechnology Journal, 2022, 20, 874-881.	4.1	4
2185	Squidpy: a scalable framework for spatial omics analysis. Nature Methods, 2022, 19, 171-178.	19.0	308
2186	The evolutionary maintenance of LÃ©vy flight foraging. PLoS Computational Biology, 2022, 18, e1009490.	3.2	14
2187	Fsmpy: A Fuzzy Set Measures Python Library. Information (Switzerland), 2022, 13, 64.	2.9	2
2188	Sustainable packaging of quantum chemistry software with the Nix package manager. International Journal of Quantum Chemistry, 2022, 122, .	2.0	7
2189	Dynamic Effects during the Capillary Rise of Fluids in Cylindrical Tubes. Langmuir, 2022, 38, 1680-1688.	3.5	5
2190	Preferred orientation and its effects on intensity-correlation measurements. IUCrJ, 2022, 9, 231-242.	2.2	2
2192	Astrophysical parameters from $Gaia$ DR2, 2MASS, and AllWISE. Astronomy and Astrophysics, 2022, 662, A125.	5.1	9
2193	Inferring dark matter substructure with astrometric lensing beyond the power spectrum. Machine Learning: Science and Technology, 2022, 3, 01LT03.	5.0	4
2194	Pulsar wind nebula origin of the LHAASO-detected ultra-high energy $Î³$-ray sources. Astronomy and Astrophysics, 2022, 660, A8.	5.1	14
2195	AGN in the ULIRG HE 0435â'5304. Astronomy and Astrophysics, 2022, 660, A90.	5.1	2
2196	Microscope-Cockpit: Python-based bespoke microscopy for bio-medical science. Wellcome Open Research, 0, 6, 76.	1.8	2
2197	Dynamical Mass of the Exoplanet Host Star HR 8799. Astronomical Journal, 2022, 163, 52.	4.7	11
2198	Gaseous Halos of Simulated Milky Way-like Galaxies. Research Notes of the AAS, 2022, 6, 16.	0.7	0

#	ARTICLE	IF	CITATIONS
2199	Associations between the fast-food environment and diabetes prevalence in the Netherlands: a cross-sectional study. Lancet Planetary Health, The, 2022, 6, e29-e39.	11.4	11
2200	Association of plasma tryptophan concentration with periaqueductal gray matter functional connectivity in migraine patients. Scientific Reports, 2022, 12, 739.	3.3	7
2202	Colonoscope retraction technique and predicting adenoma detection rate: a multicenter study. Gastrointestinal Endoscopy, 2022, 95, 1002-1010.	1.0	4
2203	The PHANGS-MUSE survey. Astronomy and Astrophysics, 2022, 659, A191.	5.1	96
2204	Comparisons of Predicted and Measured Aerodynamic Characteristics of the DLR LK6E2 Missile Airframe (Scale Resolving). , 2022, , .		8
2205	Excitable Axonal Domains Adapt to Sensory Deprivation in the Olfactory System. Journal of Neuroscience, 2022, 42, 1491-1509.	3.6	3
2206	Accelerating alternating least squares for tensor decomposition by pairwise perturbation. Numerical Linear Algebra With Applications, 2022, 29, .	1.6	6
2207	Localizing flares to understand stellar magnetic fields and space weather in exo€systems. Astronomische Nachrichten, 2022, 343, .	1.2	0
2208	SNEWPY: A Data Pipeline from Supernova Simulations to Neutrino Signals. Astrophysical Journal, 2022, 925, 107.	4.5	10
2209	Inhomogeneous Phases in the Chirally Imbalanced 2 + 1-Dimensional Gross-Neveu Model and Their Absence in the Continuum Limit. Symmetry, 2022, 14, 265.	2.2	5
2210	Modeling Dense Star Clusters in the Milky Way and beyond with the Cluster Monte Carlo Code. Astrophysical Journal, Supplement Series, 2022, 258, 22.	7.7	33
2211	Beyond the Local Volume. I. Surface Densities of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields. Astrophysical Journal, 2022, 924, 114.	4.5	10
2212	Theta:gamma phase coupling and evoked gamma activity reflect the fidelity of mental templates during memory matching in visual perception. Cerebral Cortex, 2022, 32, 4156-4171.	2.9	3
2214	libcommute/pycommute: A quantum operator algebra domain-specific language and exact diagonalization toolkit. SoftwareX, 2022, 17, 100937.	2.6	2
2215	Using Cloud Computing to Analyze Model Output Archived in Zarr Format. Journal of Atmospheric and Oceanic Technology, 2022, 39, 449-462.	1.3	4
2216	Machine Learning and Natural Language Processing Enable a Data-Oriented Experimental Design Approach for Producing Biochar and Hydrochar from Biomass. Chemistry of Materials, 2022, 34, 979-990.	6.7	28
2217	sPLINK: a hybrid federated tool as a robust alternative to meta-analysis in genome-wide association studies. Genome Biology, 2022, 23, 32.	8.8	18
2219	Closing the loop: automatically identifying abnormal imaging results in scanned documents. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 831-840.	4.4	4

#	Article	IF	Citations
2220	An EEG study of the combined effects of top–down and bottom–up attentional selection under varying task difficulty. Psychophysiology, 2022, 59, e14002.	2.4	8
2221	LibSC: Library for Scaling Correction Methods in Density Functional Theory. Journal of Chemical Theory and Computation, 2022, 18, 840-850.	5.3	8
2222	The period-age relation of long-period variables. Astronomy and Astrophysics, 2022, 658, L1.	5.1	7
2223	Comparison of seven modelling algorithms for γ–aminobutyric acid–edited proton magnetic resonance spectroscopy. NMR in Biomedicine, 2022, 35, e4702.	2.8	20
2224	Vortices and Dust Devils as Observed by the Mars Environmental Dynamics Analyzer Instruments on Board the Mars 2020 Perseverance Rover. Planetary Science Journal, 2022, 3, 20.	3.6	9
2225	Give Me a Few Hours: Exploring Short Timescales in Rubin Observatory Cadence Simulations. Astrophysical Journal, Supplement Series, 2022, 258, 13.	7.7	8
2226	The Distance and Dynamical History of the Virgo Cluster Ultradiffuse Galaxy VCC 615. Astrophysical Journal, 2022, 924, 87.	4.5	4
2228	Stellar winds and photoionization in a spiral arm. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5592-5602.	4.4	11
2229	A hierarchical Bayesian approach to regularization with application to the inference of relaxation spectra. Journal of Rheology, 2022, 66, 125-145.	2.6	4
2230	Secure machine learning against adversarial samples at test time. Eurasip Journal on Information Security, 2022, 2022, .	3.1	6
2231	Evaluation of three potential machine learning algorithms for predicting the velocity and turbulence intensity of a wind turbine wake. Renewable Energy, 2022, 184, 405-420.	8.9	25
2232	FrosPy: A Modular Python Toolbox for Normal Mode Seismology. Seismological Research Letters, 0, , .	1.9	2
2233	The high-velocity clouds above the disc of the outer Milky Way: misty precipitating gas in a region roiled by stellar streams. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1714-1749.	4.4	7
2234	Contour feature learning for locating text in natural scene images. International Journal of Information Technology (Singapore), 2022, 14, 1719-1724.	2.7	5
2235	Ins and outs of AlphaFold2 transmembrane protein structure predictions. Cellular and Molecular Life Sciences, 2022, 79, 73.	5.4	77
2236	OpenWeedLocator (OWL): an open-source, low-cost device for fallow weed detection. Scientific Reports, 2022, 12, 170.	3.3	13
2237	Deformation of AlSi10Mg parts manufactured by Laser Powder Bed Fusion: In-situ measurements incorporating X-ray micro computed tomography and a micro testing stage. Procedia Structural Integrity, 2022, 35, 168-172.	0.8	1
2238	Minimal informational requirements for fitness. Physical Review E, 2022, 105, 014403.	2.1	0

#	Article	IF	Citations
2239	Extraction of the Relations among Significant Pharmacological Entities in Russian-Language Reviews of Internet Users on Medications. Big Data and Cognitive Computing, 2022, 6, 10.	4.7	4
2240	Predicting continuous ground reaction forces from accelerometers during uphill and downhill running: a recurrent neural network solution. PeerJ, 2022, 10, e12752.	2.0	27
2241	A novel toolbox for dropped object hit probability evaluation and orientation optimization of subsea lines. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	0
2242	Automatic Localization and Brand Detection of Cervical Spine Hardware on Radiographs Using Weakly Supervised Machine Learning. Radiology: Artificial Intelligence, 2022, 4, e210099.	5.8	3
2244	Framework for user behavioural biometric identification using aÂmultimodal scheme with keystroke trajectory feature and recurrent neural network on a mobile platform. IET Biometrics, 2022, 11, 157-170.	2.5	7
2245	Mapping Oxidation and Wafer Cleaning to Device Characteristics Using Physics-Assisted Machine Learning. ACS Omega, 2022, 7, 933-946.	3.5	5
2246	The Dependence of the Type Ia Supernova Host Bias on Observation or Fitting Technique. Astrophysical Journal, 2022, 925, 115.	4.5	3
2247	Evolutionary and Observational Consequences of Dyson Sphere Feedback. Astrophysical Journal, 2022, 924, 78.	4.5	3
2248	V456 Cyg: An eclipsing binary with tidally perturbed g-mode pulsations. Astronomy and Astrophysics, 2022, 659, A177.	5.1	6
2249	Fast, low-memory detection and localization of large, polymorphic inversions from SNPs. PeerJ, 2022, 10, e12831.	2.0	3
2250	PCP Notebooks: A Preparation Course for Python with a Focus on Signal Processing. The Journal of Open Source Education, 2022, 5, 148.	0.4	3
2251	Type-level programming with match types. , 2022, 6, 1-24.		5
2252	Determination of Sodium Abundance Ratio from Low-resolution Stellar Spectra and Its Applications. Astrophysical Journal, 2022, 925, 35.	4.5	4
2253	Spatio-temporal dynamics of intra-host variability in SARS-CoV-2 genomes. Nucleic Acids Research, 2022, 50, 1551-1561.	14.5	18
2254	A Quasar-based Supermassive Black Hole Binary Population Model: Implications for the Gravitational Wave Background. Astrophysical Journal, 2022, 924, 93.	4.5	19
2255	The MUSE eXtremely Deep Field: Individual detections of Ly$Î±$ haloes around rest-frame UV-selected galaxies at z â‰ƒ 2.9â€"4.4. Astronomy and Astrophysics, 2022, 660, A44.	5.1	11
2256	Impact of Solventâ€"Drug Interactions on the Desolvation of a Pharmaceutical Solvate. Journal of Physical Chemistry B, 2022, 126, 503-512.	2.6	2
2257	Measuring flow speeds in natural waters by training an artificial neural network to analyze high-frequency flow-induced vibrations of tethered floats. Environmental Monitoring and Assessment, 2022, 194, 129.	2.7	1

#	ARTICLE	IF	CITATIONS
2258	Method to Determine the Bifunctional Index for the Oxygen Electrocatalysis from Theory. ChemElectroChem, 2022, 9, .	3.4	13
2259	Neural Approximators for Variable-Order Fractional Calculus Operators (VO-FC). IEEE Access, 2022, 10, 7989-8004.	4.2	3
2260	The bright extragalactic ALMA redshift survey (BEARS) I: redshifts of bright gravitationally lensed galaxies from the <i>Herschel</i> ATLAS. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3017-3033.	4.4	14
2261	Galactic gamma-ray and neutrino emission from interacting cosmic-ray nuclei. Astronomy and Astrophysics, 2022, 661, A72.	5.1	8
2262	A CO isotopologue Line Atlas within the Whirlpool galaxy Survey (CLAWS). Astronomy and Astrophysics, 2022, 662, A89.	5.1	9
2263	Gas Dynamics in the Galaxy: Total Mass Distribution and the Bar Pattern Speed. Astrophysical Journal, 2022, 925, 71.	4.5	20
2264	Robust Quantum Optimal Control with Trajectory Optimization. Physical Review Applied, 2022, 17, .	3.8	18
2265	Multiwavelength Analysis of A1240, the Double Radio-relic Merging Galaxy Cluster Embedded in an â¼480 Mpc-long Cosmic Filament. Astrophysical Journal, 2022, 925, 68.	4.5	8
2266	Asymmetry between right and left fundus images identified using convolutional neural networks. Scientific Reports, 2022, 12, 1444.	3.3	2
2267	Wind-driven upwelling and surface nutrient delivery in a semi-enclosed coastal sea. Ocean Science, 2022, 18, 143-167.	3.4	4
2269	Explicit Calculations of Wetâ€Bulb Globe Temperature Compared With Approximations and Why It Matters for Labor Productivity. Earth's Future, 2022, 10, .	6.3	25
2270	Assessing the Accuracy of Forest Phenological Extraction from Sentinel-1 C-Band Backscatter Measurements in Deciduous and Coniferous Forests. Remote Sensing, 2022, 14, 674.	4.0	10
2271	CBMOS: a GPU-enabled Python framework for the numerical study of center-based models. BMC Bioinformatics, 2022, 23, 55.	2.6	2
2272	Contribution of Gaia Sausage to the Galactic Stellar Halo Revealed by K Giants and Blue Horizontal Branch Stars from the Large Sky Area Multi-Object Fiber Spectroscopic Telescope, Sloan Digital Sky Survey, and Gaia. Astrophysical Journal, 2022, 924, 23.	4.5	11
2273	Riemannian classification of single-trial surface EEG and sources during checkerboard and navigational images in humans. PLoS ONE, 2022, 17, e0262417.	2.5	3
2274	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. Astronomical Journal, 2022, 163, 65.	4.7	12
2275	A Survey of Meteorite-specific Minerals. Research Notes of the AAS, 2022, 6, 3.	0.7	0
2276	Pulse-level noisy quantum circuits with QuTiP. Quantum - the Open Journal for Quantum Science, 0, 6, 630.	0.0	24

#	Article	IF	Citations
2277	Simulation of defects, flexibility and rupture in biopolymer networks. RSC Advances, 2022, 12, 2171-2180.	3.6	0
2278	Species interactions constrain adaptation and preserve ecological stability in an experimental microbial community. ISME Journal, 2022, 16, 1442-1452.	9.8	23
2279	beamshapes: a Python package to generate directivity patterns for various sound source models. Journal of Open Source Software, 2022, 7, 3740.	4.6	0
2280	Convolutional Neural Network Models Help Effectively Estimate Legume Coverage in Grass-Legume Mixed Swards. Frontiers in Plant Science, 2021, 12, 763479.	3.6	2
2281	Templates for multifunctional landscape design. Landscape Ecology, 2022, 37, 913-934.	4.2	17
2283	Derin Ã–ÄŸrenme Teknikleri Kullanarak Ä°kili ve Ã‡ok Etiketli SÄ±nÄ±flandÄ±rma Ä°le Enzimatik Fonksiyon Tahmini. European Journal of Science and Technology, 0, , .	0.5	0
2284	Immunoinformatics guided modeling of CCHF_GN728, an mRNA-based universal vaccine against Crimean-Congo hemorrhagic fever virus. Computers in Biology and Medicine, 2022, 140, 105098.	7.0	7
2285	Approximate reinforcement learning to control beaconing congestion in distributed networks. Scientific Reports, 2022, 12, 142.	3.3	5
2286	Tracking cell lineages in 3D by incremental deep learning. ELife, 2022, 11, .	6.0	34
2287	TCRpower: quantifying the detection power of T-cell receptor sequencing with a novel computational pipeline calibrated by spike-in sequences. Briefings in Bioinformatics, 2022, 23, .	6.5	5
2288	Systole: A python package for cardiac signal synchrony and analysis. Journal of Open Source Software, 2022, 7, 3832.	4.6	5
2289	Leveraging Spiking Deep Neural Networks to Understand the Neural Mechanisms Underlying Selective Attention. Journal of Cognitive Neuroscience, 2022, 34, 655-674.	2.3	6
2290	Complex nanoemulsion for vitamin delivery: droplet organization and interaction with skin membranes. Nanoscale, 2022, 14, 506-514.	5.6	19
2291	Approximating 1-Wasserstein Distance between Persistence Diagrams by Graph Sparsification. , 2022, , 169-183.		0
2292	Robust Landing Site Detection for Flight over Small Solar System Bodies. , 2022, , .		3
2293	A Closed-form Correction for the Spalart-Allmaras Turbulence model for Separated Flows. , 2022, , .		6
2294	Assessment of the high-order isotropic tensor in interaction force of pseudo-potential lattice Boltzmann model for multiphase flows. , 2022, , .		0
2295	Characterizing Patient-Clinician Communication in Secure Medical Messages: Retrospective Study. Journal of Medical Internet Research, 2022, 24, e17273.	4.3	11

#	Article	IF	Citations
2297	Metabolic and Immune Markers for Precise Monitoring of COVID-19 Severity and Treatment. Frontiers in Immunology, 2021, 12, 809937.	4.8	13
2298	Interpreting the optical properties of oxide glasses with machine learning and Shapely additive explanations. Journal of the American Ceramic Society, 2022, 105, 4046-4057.	3.8	17
2299	Highly Sensitive, Non-cryogenic NIR High-resolution Spectrograph, WINERED. Publications of the Astronomical Society of the Pacific, 2022, 134, 015004.	3.1	11
2300	Variational autoencoding of gene landscapes during mouse CNS development uncovers layered roles of Polycomb Repressor Complex 2. Nucleic Acids Research, 2022, , .	14.5	2
2301	A Machine Learning–based Direction-of-origin Filter for the Identification of Radio Frequency Interference in the Search for Technosignatures. Astronomical Journal, 2022, 163, 76.	4.7	11
2302	Inferring Kilonova Population Properties with a Hierarchical Bayesian Framework. I. Nondetection Methodology and Single-event Analyses. Astrophysical Journal, 2022, 925, 58.	4.5	3
2303	StatMechGlass: Python based software for composition–structure prediction in oxide glasses using statistical mechanics. SoftwareX, 2022, 17, 100913.	2.6	4
2304	A retrospective analysis of ketamine intravenous therapy for depression in real-world care settings. Journal of Affective Disorders, 2022, 301, 486-495.	4.1	24
2305	Characterizing turbulence profile layers through celestial single-source observations. Applied Optics, 2022, 61, 498.	1.8	5
2307	Molecular Gas Properties and CO-to-H_2 Conversion Factors in the Central Kiloparsec of NGC 3351. Astrophysical Journal, 2022, 925, 72.	4.5	20
2308	Spinodal de-wetting of light liquids on graphene. Journal of Physics Condensed Matter, 2022, 34, 175001.	1.8	0
2309	A practical, effective calculation of gamma difference distributions with open data science tools. Journal of Statistical Computation and Simulation, 0, , 1-28.	1.2	2
2310	Testing Self-organized Criticality across the Main Sequence Using Stellar Flares from TESS. Astrophysical Journal Letters, 2022, 925, L9.	8.3	10
2311	Complex 3D Migration and Delayed Triggering of Hydraulic Fracturing–Induced Seismicity: A Case Study Near Fox Creek, Alberta. Geophysical Research Letters, 2022, 49, .	4.0	10
2312	A Survey on Spatio-temporal Data Analytics Systems. ACM Computing Surveys, 2022, 54, 1-38.	23.0	19
2313	Machine learning-assisted environmental surveillance of Legionella: A retrospective observational study in Friuli-Venezia Giulia region of Italy in the period 2002–2019. Informatics in Medicine Unlocked, 2022, 28, 100803.	3.4	4
2314	Blood Glucose Level Prediction: Advanced Deep-Ensemble Learning Approach. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2758-2769.	6.3	20
2315	Predicting the mutational drivers of future SARS-CoV-2 variants of concern. Science Translational Medicine, 2022, 14, eabk3445.	12.4	101

#	Article	IF	Citations
2316	Observationally Constraining the Starspot Properties of Magnetically Active M67 Sub-subgiant S1063. Astrophysical Journal, 2022, 925, 5.	4.5	10
2317	GWAS and ExWAS of blood mitochondrial DNA copy number identifies 71 loci and highlights a potential causal role in dementia. ELife, 2022, 11, .	6.0	42
2318	Automated annotation of birdsong with a neural network that segments spectrograms. ELife, 2022, 11, .	6.0	27
2319	Quail: A lightweight open-source discontinuous Galerkin code in Python for teaching and prototyping. SoftwareX, 2022, 17, 100982.	2.6	3
2320	Predicting the capsid architecture of phages from metagenomic data. Computational and Structural Biotechnology Journal, 2022, 20, 721-732.	4.1	10
2321	The role of interlayer gases and surface asperities in compression-induced intermetallic formation in Ni/Al nanocomposites. Physical Chemistry Chemical Physics, 2022, 24, 2909-2924.	2.8	3
2322	One-Point Statistics Matter in Extended Cosmologies. Universe, 2022, 8, 55.	2.5	3
2323	Variability and Spectral Characteristics of Three Flaring Gamma-Ray Quasars Observed by VERITAS and Fermi-LAT. Astrophysical Journal, 2022, 924, 95.	4.5	9
2324	ExoPlaSim: Extending the Planet Simulator for exoplanets. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3272-3303.	4.4	11
2325	Flexible Dual-Branched Message-Passing Neural Network for a Molecular Property Prediction. ACS Omega, 2022, 7, 4234-4244.	3.5	7
2326	Kepler Bonus: Aperture Photometry Light Curves of EXBA Sources. Astronomical Journal, 2022, 163, 93.	4.7	2
2327	Light Deflection under the Gravitational Field of Jupiterâ€"Testing General Relativity. Astrophysical Journal, 2022, 925, 47.	4.5	2
2328	The DRAKE mission: finding the frequency of life in the Cosmos. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5228-5246.	4.4	2
2329	Health Care Studentsâ€™ Perspectives on Artificial Intelligence: Countrywide Survey in Canada. JMIR Medical Education, 2022, 8, e33390.	2.6	28
2331	Genomic patterns of transcriptionâ€"replication interactions in mouse primary B cells. Nucleic Acids Research, 2022, 50, 2051-2073.	14.5	8
2332	Constraining the shape of Milky Way satellites with distance gradients. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
2333	Dark and luminous mass components of Omega Centauri from stellar kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4251-4264.	4.4	11
2334	OptiFit: an Improved Method for Fitting Amplicon Sequences to Existing OTUs. MSphere, 2022, 7, e0091621.	2.9	3

#	ARTICLE	IF	CITATIONS
2335	Attention‐Based Machine Vision Models and Techniques for Solar Wind Speed Forecasting Using Solar EUV Images. Space Weather, 2022, 20, .	3.7	5
2336	Submillimeter Pulsations from the Magnetar XTE J1810-197. Astrophysical Journal Letters, 2022, 925, L17.	8.3	5
2337	Directional Tuning of Phase Precession Properties in the Hippocampus. Journal of Neuroscience, 2022, 42, 2282-2297.	3.6	5
2338	Stellar masses, sizes, and radial profiles for 465 nearby early-type galaxies: An extension to the <i>Spitzer</i> survey of stellar structure in Galaxies (S^{4}G). Astronomy and Astrophysics, 2022, 660, A69.	5.1	11
2339	Latte: Cross-framework Python package for evaluation of latent-based generative models. Software Impacts, 2022, 11, 100222.	1.4	1
2340	Characterization of Divalent Cation Interactions with AASTY Nanodiscs. ACS Applied Polymer Materials, 2022, 4, 1071-1083.	4.4	5
2341	Evaluation of Machine Learning Techniques to Predict the Likelihood of Mental Health Conditions Following a First mTBI. Frontiers in Neurology, 2021, 12, 769819.	2.4	2
2342	On the Vaporization Rate and Flame Shape of Nonspherical Droplets. Journal of Heat Transfer, 2022, 144, .	2.1	5
2343	Human‐in‐the‐Loop Segmentation of Earth Surface Imagery. Earth and Space Science, 2022, 9, .	2.6	11
2344	Still Brighter than Pre-explosion, SN 2012Z Did Not Disappear: Comparing Hubble Space Telescope Observations a Decade Apart. Astrophysical Journal, 2022, 925, 138.	4.5	17
2345	Slip activity during low-stress cold creep deformation in a near-$α$ titanium alloy. Acta Materialia, 2022, 229, 117691.	7.9	22
2346	Quantifying Cell‐Derived Changes in Collagen Synthesis, Alignment, and Mechanics in a 3D Connective Tissue Model. Advanced Science, 2022, 9, e2103939.	11.2	4
2347	Application of Hertzian theory to torus on plane contacts. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 2189-2208.	1.8	2
2348	Improving groundwater storage change estimates using time-lapse gravimetry with Gravi4GW. Environmental Modelling and Software, 2022, 150, 105340.	4.5	4
2349	Behavioural context shapes vocal sequences in two anuran species with different repertoire sizes. Animal Behaviour, 2022, 184, 111-129.	1.9	11
2350	MUON: multimodal omics analysis framework. Genome Biology, 2022, 23, 42.	8.8	47
2351	Rapid Stellar and Binary Population Synthesis with COMPAS. Astrophysical Journal, Supplement Series, 2022, 258, 34.	7.7	57
2352	Predictions for Gravity-mode Periods and Surface Abundances in Intermediate-mass Dwarfs from Shear Mixing and Radiative Levitation. Astrophysical Journal, 2022, 925, 154.	4.5	11

#	Article	IF	Citations
2353	Learning Atomic Multipoles: Prediction of the Electrostatic Potential with Equivariant Graph Neural Networks. Journal of Chemical Theory and Computation, 2022, 18, 1701-1710.	5.3	12
2354	Hygro-coupled viscoelastic viscoplastic material model of paper. Journal of the Mechanics and Physics of Solids, 2022, 160, 104743.	4.8	3
2355	Risk mitigation in model-based experiment design: A continuous-effort approach to optimal campaigns. Computers and Chemical Engineering, 2022, 159, 107680.	3.8	6
2356	Accurate brainâ€age models for routine clinical MRI examinations. NeuroImage, 2022, 249, 118871.	4.2	37
2357	Effect of loading path on grain misorientation and geometrically necessary dislocation density in polycrystalline aluminum under reciprocating shear. Computational Materials Science, 2022, 205, 111221.	3.0	18
2358	How the ecosystem extent is changing: A national-level accounting approach and application. Science of the Total Environment, 2022, 815, 152903.	8.0	4
2359	Mathematical modelling of microbial corrosion in carbon steel due to early-biofilm formation of sulfate-reducing bacteria via extracellular electron transfer. Bioelectrochemistry, 2022, 145, 108058.	4.6	11
2360	Impact of the terahertz and optical pump penetration depths on generated strain waves temporal profiles in a V_2O_3 thin film. Faraday Discussions, 0, 237, 389-405.	3.2	2
2361	Examining the Ability of Two Actigraph Models to Detect and Discriminate Between Low Frequency Movements. IEEE Sensors Journal, 2022, 22, 6378-6386.	4.7	1
2362	tsflex: Flexible time series processing & feature extraction. SoftwareX, 2022, 17, 100971.	2.6	6
2363	Online Change Point Detection for Weighted and Directed Random Dot Product Graphs. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 144-159.	2.8	3
2364	DQRA: Deep Quantum Routing Agent for Entanglement Routing in Quantum Networks. IEEE Transactions on Quantum Engineering, 2022, 3, 1-12.	4.9	8
2365	Making Food Decisions Together: Physiological and Affective Underpinnings of Relinquishing Preferences and Reaching Decisions. SAGE Open, 2022, 12, 215824402210780.	1.7	0
2366	Machine learning platform for determining experimental lipid phase behaviour from small angle X-ray scattering patterns by pre-training on synthetic data. , 2022, 1, 98-107.		3
2367	Fluidic circuit board with modular sensor and valves enables stand-alone, tubeless microfluidic flow control in organs-on-chips. Lab on A Chip, 2022, 22, 1231-1243.	6.0	17
2368	Qiber3Dâ€"an open-source software package for the quantitative analysis of networks from 3D image stacks. GigaScience, 2022, 11, .	6.4	7
2369	Strong-lensing source reconstruction with variationally optimized Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2022, 512, 661-685.	4.4	8
2370	Optimal Crossâ€Validation Strategies for Selection of Spatial Interpolation Models for the Canadian Forest Fire Weather Index System. Earth and Space Science, 0, , .	2.6	4

#	ARTICLE	IF	CITATIONS
2371	A Method to Characterize the Wide-angle Point-Spread Function of Astronomical Images. Astrophysical Journal, 2022, 925, 219.	4.5	8
2372	Theory-guided machine learning to predict density evolution of sand dynamically compacted under Ko condition. Acta Geotechnica, 2022, 17, 3479-3497.	5.7	7
2373	First Results from HERA Phase I: Upper Limits on the Epoch of Reionization 21 cm Power Spectrum. Astrophysical Journal, 2022, 925, 221.	4.5	82
2374	Simultaneous parametrization of torsional and thirdâ€neighbor interaction terms in forceâ€field development: The LLSâ€SC algorithm. Journal of Computational Chemistry, 2022, , .	3.3	1
2375	Investigating the relation between gravitational wave tests of general relativity. Physical Review D, 2022, 105, .	4.7	13
2376	Proof-of-Principle That Cellular Automata Can Be Used to Predict Infestation Risk by Reticulitermes grassei (Blattodea: Isoptera). Forests, 2022, 13, 237.	2.1	1
2377	Analysis of a tau neutrino origin for the near-horizon air shower events observed by the fourth flight of the Antarctic Impulsive Transient Antenna. Physical Review D, 2022, 105, .	4.7	4
2378	No Association Between Maternal Post-partum Depression and Vaccination Uptake of Infants: A Matched Cohort Study in a Large Health Maintenance Organization Database in Israel. Frontiers in Pediatrics, 2021, 9, 771089.	1.9	0
2380	IceBreaker: Software for high-resolution single-particle cryo-EM with non-uniform ice. Structure, 2022, 30, 522-531.e4.	3.3	4
2381	AGN impact on the molecular gas in galactic centres as probed by CO lines. Monthly Notices of the Royal Astronomical Society, 2022, 512, 686-711.	4.4	13
2382	Modelling the kinematics of the decelerating jets from the black hole X-ray binary MAXI J1348â€"630. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4826-4841.	4.4	11
2383	A dynamic mode decomposition based deep learning technique for prognostics. Journal of Intelligent Manufacturing, 2023, 34, 2207-2224.	7.3	4
2384	ExoClock Project. II. A Large-scale Integrated Study with 180 Updated Exoplanet Ephemerides. Astrophysical Journal, Supplement Series, 2022, 258, 40.	7.7	24
2385	Virtual Prediction of Material Properties. Materials Today: Proceedings, 2022, , .	1.8	1
2386	Evolutionary velocity with protein language models predicts evolutionary dynamics of diverse proteins. Cell Systems, 2022, 13, 274-285.e6.	6.2	56
2387	Pangeo Forge: Crowdsourcing Analysis-Ready, Cloud Optimized Data Production. Frontiers in Climate, 2022, 3, .	2.8	1
2388	Dissecting Breedersâ€™ Sense via Explainable Machine Learning Approach: Application to Fruit Peelability and Hardness in Citrus. Frontiers in Plant Science, 2022, 13, 832749.	3.6	3
2389	Bounded rational agents playing a public goods game. Physical Review E, 2022, 105, 024114.	2.1	3

#	Article	IF	Citations
2390	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. Astrophysical Journal, 2022, 926, 51.	4.5	3
2391	bmm: Bayesian Map-matching. Journal of Open Source Software, 2022, 7, 3651.	4.6	0
2392	An inâ€situ synchrotron Xâ€ray diffraction study on the influence of hydrogen on the crystallization of Geâ€rich Ge 2 Sb 2 Te 5. Physica Status Solidi - Rapid Research Letters, 0, , .	2.4	2
2393	NIFtHool: an informatics program for identification of NifH proteins using deep neural networks. F1000Research, 2022, 11, 164.	1.6	11
2394	Gravity versus Magnetic Fields in Forming Molecular Clouds. Astrophysical Journal, 2022, 925, 196.	4.5	10
2396	Twisted extreme trans-Neptunian orbital parameter space: statistically significant asymmetries confirmed. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	1
2397	First Light And Reionisation Epoch Simulations (FLARES) â€“ III. The properties of massive dusty galaxies at cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4999-5017.	4.4	19
2398	Toward Accurate Modeling of Galaxy Clustering on Small Scales: Constraining the Galaxy-halo Connection with Optimal Statistics. Astrophysical Journal, 2022, 926, 15.	4.5	6
2399	Cosmological implications of axion-matter couplings. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	13
2400	Interactions between strains govern the eco-evolutionary dynamics of microbial communities. ELife, 2022, 11, .	6.0	37
2401	Optimization of the resonator-induced phase gate for superconducting qubits. Physical Review A, 2022, 105, .	2.5	5
2402	Cosmic filaments delay quenching inside clusters. Monthly Notices of the Royal Astronomical Society, 2022, 512, 926-944.	4.4	10
2404	Multiparametric platform for profiling lipid trafficking in human leukocytes. Cell Reports Methods, 2022, 2, 100166.	2.9	3
2405	The dark side of galaxy stellar populations â€“ I. The stellar-to-halo mass relation and the velocity dispersionâ€"halo mass relation. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4900-4920.	4.4	7
2407	High-throughput qPCR and 16S rRNA gene amplicon sequencing as complementary methods for the investigation of the cheese microbiota. BMC Microbiology, 2022, 22, 48.	3.3	21
2408	An Adaptable Random Forest Model for the Declustering of Earthquake Catalogs. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	13
2409	Biophysical Models of PAR Cluster Transport by Cortical Flow in C. elegans Early Embryogenesis. Bulletin of Mathematical Biology, 2022, 84, 40.	1.9	3
2410	A Novel Way of Measuring the Gas Disk Mass of Protoplanetary Disks Using N_2H^+ and $C^{18}O$. Astrophysical Journal Letters, 2022, 926, L2.	8.3	12

#	Article	IF	Citations
2411	Accurate Modeling of Grazing Transits Using Umbrella Sampling. Astronomical Journal, 2022, 163, 111.	4.7	5
2412	Nempy: A Python package for modelling the Australian National Electricity Market dispatch procedure. Journal of Open Source Software, 2022, 7, 3596.	4.6	1
2413	STag: Supernova Tagging and Classification. Astrophysical Journal, 2022, 925, 186.	4.5	2
2414	A search for ionised gas outflows in an Hα imaging atlas of nearby LINERs. Astronomy and Astrophysics, 2022, 660, A133.	5.1	9
2415	PRAiSE: resolved spectral evolution in simulated radio sources. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5225-5240.	4.4	10
2416	A Simple Model for Mixing and Cooling in Cloud–Wind Interactions. Astrophysical Journal, 2022, 925, 199.	4.5	18
2417	Digitization in Catalysis Research: Towards a Holistic Description of a Ni/Al_2O_3 Reference Catalyst for CO_2 Methanation. ChemCatChem, 2022, 14, .	3.7	14
2418	PyCLKDE: A big data–enabled high–performance computational framework for species habitat suitability modeling and mapping. Transactions in GIS, 2022, 26, 1754-1774.	2.3	1
2419	Vascular Alterations Impede Fragile Tolerance to Pregnancy in Type 1 Diabetes. F&S Science, 2022, 3, 148-158.	0.9	0
2420	The mass and size of Herbig disks as seen by ALMA. Astronomy and Astrophysics, 2022, 658, A112.	5.1	19
2421	Multi-regional module-based signal transmission in mouse visual cortex. Neuron, 2022, 110, 1585-1598.e9.	8.1	27
2422	Shan–Chen interacting vacuum cosmology. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4430-4443.	4.4	3
2423	Machine learning based predictive model for the analysis of sequence activity relationships using protein spectra and protein descriptors. Journal of Biomedical Informatics, 2022, 128, 104016.	4.3	3
2424	Efficiently Imaging Accreting Protoplanets from Space: Reference Star Differential Imaging of the PDS 70 Planetary System Using the HST/WFC3 Archival PSF Library. Astronomical Journal, 2022, 163, 119.	4.7	9
2425	ThERESA: Three-dimensional Eclipse Mapping with Application to Synthetic JWST Data. Astronomical Journal, 2022, 163, 117.	4.7	11
2426	PACKMAN-Molecule: Python Toolbox for Structural Bioinformatics. Bioinformatics Advances, 0, , .	2.4	2
2427	ADA: an open-source software platform for plotting and analysis of data from laboratory photobioreactors. Applied Phycology, 2022, 3, 16-26.	1.3	1
2430	Axion-like particle searches at DarkQuest. Journal of High Energy Physics, 2022, 2022, 1.	4.7	15

#	Article	IF	Citations
2431	GCM-Filters: A Python Package for Diffusion-based Spatial Filtering of Gridded Data. Journal of Open Source Software, 2022, 7, 3947.	4.6	9
2432	Deep learning models for triaging hospital head MRI examinations. Medical Image Analysis, 2022, 78, 102391.	11.6	10
2433	Associated mortality risk of atypical antipsychotic medication in individuals with dementia. World Journal of Psychiatry, 2022, 12, 306-316.	2.7	0
2434	The Kepler IRIS Catalog: Image Subtraction Light Curves for 9150 Stars in and around the Open Clusters NGC 6791 and NGC 6819. Astrophysical Journal, Supplement Series, 2022, 258, 39.	7.7	4
2436	Assessment of a subgridâ€scale model for convectionâ€dominated mass transfer for initial transient rise of a bubble. AICHE Journal, 2022, 68, .	3.6	5
2437	A Novel Framework for Simulating Particle Deposition With Moving Bedforms. Geophysical Research Letters, 2022, 49, .	4.0	10
2438	Using Computational Models to Uncover the Parameters of Three Kepler Binaries: KIC 5957123, KIC 8314879, and KIC 10727668*. Astrophysical Journal, 2022, 926, 46.	4.5	1
2440	The *Planck* clusters in the LOFAR sky. Astronomy and Astrophysics, 2022, 660, A78.	5.1	30
2441	MyPyPSA-Ger: Introducing CO2 taxes on a multi-regional myopic roadmap of the German electricity system towards achieving the 1.5ÂÂ°C target by 2050. Applied Energy, 2022, 310, 118576.	10.1	11
2442	Catchment scale runoff time-series generation and validation using statistical models for the Continental United States. Environmental Modelling and Software, 2022, 149, 105321.	4.5	1
2443	VecMetaPy: A vectorized framework for metaheuristic optimization in Python. Advances in Engineering Software, 2022, 166, 103092.	3.8	3
2444	Probability bounds analysis for Python. Software Impacts, 2022, 12, 100246.	1.4	2
2445	Static Type Inference for Foreign Functions of Python. , 2021, , .		5
2446	Jagged-shape chaotic attractors of a megastable oscillator with spatially square-wave damping. European Physical Journal: Special Topics, 0, , 1.	2.6	3
2447	Near-UV Reddening Observed in the Reflectance Spectrum of High-inclination Centaur 2012 DR$_{30}$. Planetary Science Journal, 2021, 2, 239.	3.6	0
2448	Variational Quantum Circuit-Based Reinforcement Learning for POMDP and Experimental Implementation. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	9
2449	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. Astrophysical Journal, Supplement Series, 2022, 258, 1.	7.7	40
2450	The galaxyâ€"halo size relation of low-mass galaxies in FIRE. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3967-3985.	4.4	13

#	Article	IF	Citations
2451	Differential pre-malignant programs and microenvironment chart distinct paths to malignancy in human colorectal polyps. Cell, 2021, 184, 6262-6280.e26.	28.9	125
2452	Spatiotemporal localization of proteins in mycobacteria. Cell Reports, 2021, 37, 110154.	6.4	16
2453	Leveraging sequential information from multivariate behavioral sensor data to predict the moment of calving in dairy cattle using deep learning. Computers and Electronics in Agriculture, 2021, 191, 106566.	7.7	7
2454	Trapped Ion Mobility Spectrometry Reduces Spectral Complexity in Mass Spectrometry-Based Proteomics. Analytical Chemistry, 2021, 93, 16751-16758.	6.5	24
2455	Towards the biogeography of prokaryotic genes. Nature, 2022, 601, 252-256.	27.8	85
2456	Structural basis of sphingosine-1-phosphate receptor 1 activation and biased agonism. Nature Chemical Biology, 2022, 18, 281-288.	8.0	43
2457	Spatial discordances between mRNAs and proteins in the intestinal epithelium. Nature Metabolism, 2021, 3, 1680-1693.	11.9	25
2458	Three-dimensional imaging mass cytometry for highly multiplexed molecular and cellular mapping of tissues and the tumor microenvironment. Nature Cancer, 2022, 3, 122-133.	13.2	92
2459	Polynomial ridge flowfield estimation. Physics of Fluids, 2021, 33, 127110.	4.0	2
2460	Volumetric morphometry reveals spindle width as the best predictor of mammalian spindle scaling. Journal of Cell Biology, 2022, 221, .	5.2	10
2462	Lattice QCD calculation of the Collins-Soper kernel from quasi-TMDPDFs. Physical Review D, 2021, 104, .	4.7	29
2463	Model of gravitational waves from precessing black-hole binaries through merger and ringdown. Physical Review D, 2021, 104, .	4.7	30
2464	Empirical optimization of molecular simulation force fields by Bayesian inference. European Physical Journal B, 2021, 94, 1.	1.5	16
2465	The H i Column Density Distribution of the Galactic Disk and Halo. Astrophysical Journal, 2021, 923, 50.	4.5	10
2466	Phases of Mass Transfer from Hot Subdwarfs to White Dwarf Companions and Their Photometric Properties. Astrophysical Journal, 2021, 922, 245.	4.5	18
2467	Chasing the Tail of Cosmic Reionization with Dark Gap Statistics in the LyÎ± Forest over 5 < z < 6. Astrophysical Journal, 2021, 923, 223.	4.5	39
2468	Improvement of the Helioseismic and Magnetic Imager (HMI) Vector Magnetic Field Inversion Code. Astrophysical Journal, 2021, 923, 84.	4.5	7
2469	Wave-driven Mass Loss of Stripped Envelope Massive Stars: Progenitor-dependence, Mass Ejection, and Supernovae. Astrophysical Journal, 2021, 923, 41.	4.5	15

#	ARTICLE	IF	CITATIONS
2470	Weak Damping of Propagating MHD Kink Waves in the Quiescent Corona. Astrophysical Journal, 2021, 923, 225.	4.5	10
2471	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. Astrophysical Journal, 2021, 923, 1.	4.5	109
2472	Preparing to Discover the Unknown with Rubin LSST: Time Domain. Astrophysical Journal, Supplement Series, 2022, 258, 2.	7.7	10
2474	A modular platform for automated cryo-FIB workflows. ELife, 2021, 10, .	6.0	65
2475	A Late-time Galaxy-targeted Search for the Radio Counterpart of GW190814. Astrophysical Journal, 2021, 923, 66.	4.5	16
2476	Surface Micropatterning for the Formation of an in Vitro Functional Endothelial Model for Cell-Based Biosensors. SSRN Electronic Journal, 0, , .	0.4	0
2477	Topological Transition in a Coupled Dynamics in Random Networks. SSRN Electronic Journal, 0, , .	0.4	0
2478	Applications of Systemic Constellation: A Bibliographic Research Supported by Data Analysis Using Artificial Intelligence. SSRN Electronic Journal, 0, , .	0.4	0
2480	Predictive discarding of wafers based on power leakage predictions from single layer misalignment data. Procedia Computer Science, 2022, 200, 1508-1515.	2.0	1
2481	A Deep Learning Network Based on Multi-Scale and Attention for the Diagnosis of Chronic Atrophic Gastritis. SSRN Electronic Journal, 0, , .	0.4	0
2482	Multidimensional H-atom Tunneling in Catecholate Monoanion. Physical Chemistry Chemical Physics, 2022, , .	2.8	1
2483	Towards a computational understanding of water oxidation at graphene-bound Mn_xO_y and $Mn_xO_yM^{2+}$ particles. Sustainable Energy and Fuels, 0, , .	4.9	0
2484	An Enquiry on Similarities between Renormalization Group and Auto-Encoders Using Transfer Learning. SSRN Electronic Journal, 0, , .	0.4	1
2485	Dark matter mass loss in galaxy flybys: dependence on impact parameter. Serbian Astronomical Journal, 2022, , 39-49.	0.6	2
2486	Applying Ensemble Machine Learning Models to Predict Individual Response to a Digitally Delivered Worry PostponementÂIntervention. SSRN Electronic Journal, 0, , .	0.4	0
2487	Analysis of Stock Price Prediction using Machine Learning Algorithms. , 2022, , .		3
2488	Characterization of High Harmonic Frequencies in Reactor Noise Experiments Within the CORTEX Project. IEEE Transactions on Nuclear Science, 2022, 69, 825-831.	2.0	1
2489	Estimation of actual evapotranspiration in barley crop through a generalized linear model. MethodsX, 2022, 9, 101665.	1.6	3

#	ARTICLE	IF	CITATIONS
2490	SPA^{H}M: the spectrum of approximated Hamiltonian matrices representations. , 2022, 1, 286-294.		7
2491	Amorpheus: a Python-based software for the treatment of X-ray scattering data of amorphous and liquid systems. High Pressure Research, 2022, 42, 69-93.	1.2	7
2492	An end-to-end data-driven optimization framework for constrained trajectories. Data-Centric Engineering, 2022, 3, .	2.3	0
2493	MOVIS: A multi-omics software solution for multi-modal time-series clustering, embedding, and visualizing tasks. Computational and Structural Biotechnology Journal, 2022, 20, 1044-1055.	4.1	3
2494	A Framework for 3D Scanning using RGB-D Cameras and an Automated Rotary Table. , 2022, , .		1
2495	Nonlinear Agglomeration of Bimodal Colloids under Microgravity. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2022, 10, 1-9.	0.8	1
2496	The State of Fortran. Computing in Science and Engineering, 2022, 24, 63-72.	1.2	9
2497	Electromechanical Equivalent Circuit Model for Axisymmetric PMUTs With Elastic Boundary Conditions. Journal of Microelectromechanical Systems, 2022, 31, 457-472.	2.5	7
2498	Basics of Fourier Analysis of Time Series Data. Johnson Matthey Technology Review, 2022, 66, 169-176.	1.0	1
2499	ranx: A Blazing-Fast Python Library forÂRanking Evaluation andÂComparison. Lecture Notes in Computer Science, 2022, , 259-264.	1.3	9
2500	Defect-engineered MOF-801 for cycloaddition of CO_2 with epoxides. Journal of Materials Chemistry A, 2022, 10, 10051-10061.	10.3	42
2501	Towards Realistic Statistical Models of the Grid Frequency. IEEE Transactions on Power Systems, 2023, 38, 256-266.	6.5	4
2502	Unrecognized introductions of SARS-CoV-2 into the US state of Georgia shaped the early epidemic. Virus Evolution, 2022, 8, veac011.	4.9	2
2503	Modelling of Renewable Energy Power Plant Controllers for Steady-State Studies Using an Extended Power Flow Formulation. SSRN Electronic Journal, 0, , .	0.4	0
2504	The Electrophysiological Properties of Cortical Neurons in the Epileptic Foci of Children with Refractory Temporal Lobe Epilepsy. Journal of Evolutionary Biochemistry and Physiology, 2022, 58, 215-229.	0.6	0
2505	Unsupervised Machine Scoring of Free Response Answersâ€"Validated Against Law School Final Exams. SSRN Electronic Journal, 0, , .	0.4	0
2506	CDPR Studio: A Parametric Design Tool for Simulating Cable-Suspended Parallel Robots. Communications in Computer and Information Science, 2022, , 344-359.	0.5	2
2507	Passive spiral galaxies deeply captured by Subaru Hyper Suprime-Cam. Publication of the Astronomical Society of Japan, 2022, 74, 612-624.	2.5	8

#	Article	IF	Citations
2509	Validation of a rail temperature model with experimental measurements. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2022, 236, 1104-1113.	2.0	2
2510	Late-onset Circumstellar Medium Interactions are Rare: An Unbiased GALEX View of Type Ia Supernovae. Astrophysical Journal, 2022, 926, 98.	4.5	6
2511	Associated mortality risk of atypical antipsychotic medication in individuals with dementia. World Journal of Psychiatry, 2022, 12, 298-307.	2.7	5
2512	A Mock Catalog of Gravitationally-lensed Quasars for the LSST Survey. Astronomical Journal, 2022, 163, 139.	4.7	10
2513	Accurate Ground-based Astrometry of Naked-eye Stars: The United States Naval Observatory Bright-star Astrometric Database. Astronomical Journal, 2022, 163, 131.	4.7	3
2514	Methodology for Predicting the Probability Distribution of the Amplitude of Solar Cycle 25. Solar Physics, 2022, 297, 1.	2.5	2
2515	Machine learning to detect invalid text responses: Validation and comparison to existing detection methods. Behavior Research Methods, 2022, 54, 3055-3070.	4.0	6
2516	Exploring the S-process History in the Galactic Disk: Cerium Abundances and Gradients in Open Clusters from the OCCAM/APOGEE Sample. Astrophysical Journal, 2022, 926, 154.	4.5	16
2517	Origins of Hot Jupiters from the Stellar Obliquity Distribution. Astrophysical Journal Letters, 2022, 926, L17.	8.3	22
2518	Zeo-1, a computational data set of zeolite structures. Scientific Data, 2022, 9, 61.	5.3	2
2519	Early identification of patients admitted to hospital for covid-19 at risk of clinical deterioration: model development and multisite external validation study. BMJ, The, 2022, 376, e068576.	6.0	24
2520	Brainmarker-I Differentially Predicts Remission to Various Attention-Deficit/Hyperactivity Disorder Treatments: A Discovery, Transfer, and Blinded Validation Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 52-60.	1.5	11
2521	Prototype of automatic satellite streak detection, identification and initial orbit determination pipeline from optical observation. Journal of Physics: Conference Series, 2022, 2214, 012018.	0.4	1
2522	Non-parametric spherical Jeans mass estimation with B-splines. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5536-5549.	4.4	5
2523	New Clues to the Evolution of Dwarf Carbon Stars From Their Variability and X-Ray Emission. Astrophysical Journal, 2022, 926, 210.	4.5	1
2524	The Complex Infrared Dust Continuum Emission of NGC 1068: Ground-based N- and Q-band Spectroscopy and New Radiative Transfer Models. Astrophysical Journal, 2022, 926, 192.	4.5	5
2525	The VMC survey â€" XLVII. Turbulence-controlled hierarchical star formation in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1196-1213.	4.4	5
2526	Speed-Up of Machine Learning for Sound Localization via High-Performance Computing. , 2022, , .		3

#	Article	IF	Citations
2527	VETTAM: a scheme for radiation hydrodynamics with adaptive mesh refinement using the variable Eddington tensor method. Monthly Notices of the Royal Astronomical Society, 2022, 512, 401-423.	4.4	8
2528	Variation in Fetal Weight Percentile Estimates. Journal of Ultrasound in Medicine, 2022, , .	1.7	0
2529	An Artificial Neural Network Model for Pediatric Mortality Prediction in Two Tertiary Pediatric Intensive Care Units in South Africa. A Development Study. Frontiers in Pediatrics, 2022, 10, 797080.	1.9	2
2530	Deep learning methods for obtaining photometric redshift estimations from images. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1696-1709.	4.4	10
2531	The Influence of 10 Unique Chemical Elements in Shaping the Distribution of Kepler Planets. Astronomical Journal, 2022, 163, 128.	4.7	6
2532	Hot Jupiters, cold kinematics. Astronomy and Astrophysics, 2022, 658, A199.	5.1	7
2534	On the Formation of Solar Wind and Switchbacks, and Quiet Sun Heating. Astrophysical Journal, 2022, 926, 138.	4.5	9
2535	Ensemble of Deep Convolutional Learning Classifier System Based on Genetic Algorithm for Database Intrusion Detection. Electronics (Switzerland), 2022, 11, 745.	3.1	10
2538	The Hough Stream Spotter: A New Method for Detecting Linear Structure in Resolved Stars and Application to the Stellar Halo of M31. Astrophysical Journal, 2022, 926, 166.	4.5	13
2539	Tasks activating the default mode network map multiple functional systems. Brain Structure and Function, 2022, 227, 1711-1734.	2.3	16
2540	Visualization of Aqueous Geochemical Data Using Python and <scp>WQChartPy</scp>. Ground Water, 2022, 60, 555-564.	1.3	5
2541	Optical Rebrightening of Extragalactic Transients from the Zwicky Transient Facility. Astrophysical Journal Letters, 2022, 926, L11.	8.3	2
2542	Detecting and Monitoring Tidal Dissipation of Hot Jupiters in the Era of SiTian. Research in Astronomy and Astrophysics, 2022, 22, 055005.	1.7	3
2543	Spatiotemporal Variations of Shallow Very Low Frequency Earthquake Activity Southeast Off the Kii Peninsula, Along the Nankai Trough, Japan. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	15
2544	Transcriptional signatures of clonally derived Toxoplasma tachyzoites reveal novel insights into the expression of a family of surface proteins. PLoS ONE, 2022, 17, e0262374.	2.5	5
2545	Network cartographs for interpretable visualizations. Nature Computational Science, 2022, 2, 84-89.	8.0	3
2546	A unified genealogy of modern and ancient genomes. Science, 2022, 375, eabi8264.	12.6	59
2547	New data structure for univariate polynomial approximation and applications to root isolation, numerical multipoint evaluation, and other problems. , 2022, , .		4

#	ARTICLE	IF	CITATIONS
2548	Receptor tyrosine kinase MET ligand-interaction classified via machine learning from single-particle tracking data. Molecular Biology of the Cell, 2022, , mbcE21100496.	2.1	0
2549	*SteadyCellPhenotype*: a web-based tool for the modeling of biological networks with ternary logic. Bioinformatics, 2022, 38, 2369-2370.	4.1	2
2550	Experimental and Theoretical Constraints on Amino Acid Formation from PAHs in Asteroidal Settings. ACS Earth and Space Chemistry, 2022, 6, 468-481.	2.7	1
2551	Simulation-based Inference of Reionization Parameters from 3D Tomographic 21 cm Light-cone Images. Astrophysical Journal, 2022, 926, 151.	4.5	27
2552	The vertical structure of debris discs and the impact of gas. Monthly Notices of the Royal Astronomical Society, 2022, 513, 713-734.	4.4	20
2553	PyUUL provides an interface between biological structures and deep learning algorithms. Nature Communications, 2022, 13, 961.	12.8	10
2554	The NANOGrav 12.5 yr Data Set: Polarimetry and Faraday Rotation Measures from Observations of Millisecond Pulsars with the Green Bank Telescope. Astrophysical Journal, 2022, 926, 168.	4.5	9
2555	The origin of star–gas misalignments in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2031-2048.	4.4	7
2557	Intermittent ERK oscillations downstream of FGF in mouse embryonic stem cells. Development (Cambridge), 2022, 149, .	2.5	18
2558	Pseudotime Analysis Reveals Exponential Trends in DNA Methylation Aging with Mortality Associated Timescales. Cells, 2022, 11, 767.	4.1	1
2559	PICOS: A Python interface to conic optimization solvers. Journal of Open Source Software, 2022, 7, 3915.	4.6	13
2560	Measurement of seismometer misorientation based on P-wave polarization: application to dense temporary broadband seismic array in the epicentral region of 2016 Gyeongju earthquake, South Korea. Geosciences Journal, 2022, 26, 385-397.	1.2	2
2561	Emission-line Variability during a Nonthermal Outburst in the Gamma-Ray Bright Quasar 1156+295. Astrophysical Journal, 2022, 926, 180.	4.5	2
2562	Strong Lyman-α emission in an overdense region at z = 6.8: a very large (R ∼ 3 physical Mpc) ionized bubble in COSMOS?. Monthly Notices of the Royal Astronomical Society, 2022, 511, 6042-6054.	4.4	24
2563	An Infrared Search for Kilonovae with the WINTER Telescope. I. Binary Neutron Star Mergers. Astrophysical Journal, 2022, 926, 152.	4.5	10
2564	ALMA Observations of NGC 6334S. II. Subsonic and Transonic Narrow Filaments in a High-mass Star Formation Cloud. Astrophysical Journal, 2022, 926, 165.	4.5	16
2565	Spatial Multiplex In Situ Tagging (MIST) Technology for Rapid, Highly Multiplexed Detection of Protein Distribution on Brain Tissue. Analytical Chemistry, 2022, 94, 3922-3929.	6.5	2
2566	Automated assessment of BI-RADS categories for ultrasound images using multi-scale neural networks with an order-constrained loss function. Applied Intelligence, 2022, 52, 12943-12956.	5.3	8

#	Article	IF	Citations
2567	A comparison of experimental assays and analytical methods for genome-wide identification of active enhancers. Nature Biotechnology, 2022, 40, 1056-1065.	17.5	28
2568	Model-independent constraints on $Ω_m$ and $H(z)$ from the link between geometry and growth. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1967-1984.	4.4	16
2569	A circulation-based performance atlas of the CMIP5 and 6 models for regional climate studies in the Northern Hemisphere mid-to-high latitudes. Geoscientific Model Development, 2022, 15, 1375-1411.	3.6	11
2570	Survey for Distant Solar Twins (SDST) – I. <scp>epic</scp> method for stellar parameter measurement. Monthly Notices of the Royal Astronomical Society, 2022, 512, 11-26.	4.4	6
2571	PRISMA: A Robust and Intuitive Tool for High‐Throughput Processing of Chemical Spectra**. Chemistry Methods, 2022, 2, .	3.8	2
2572	Approximate Bayesian neural Doppler imaging. Astronomy and Astrophysics, 2022, 658, A162.	5.1	6
2573	A tandem segmentation-classification approach for the localization of morphological predictors of C. elegans lifespan and motility. Aging, 2022, 14, 1665-1677.	3.1	1
2574	Differentiation of materials and laser powder bed fusion processing regimes from airborne acoustic emission combined with machine learning. Virtual and Physical Prototyping, 2022, 17, 181-204.	10.4	37
2575	Black hole virial masses from single-epoch photometry. The miniJPAS test case. Astronomy and Astrophysics, 0, , .	5.1	6
2576	Does Charge Matter in High-Energy Collisions of Black Holes?. Physical Review Letters, 2022, 128, 071101.	7.8	7
2577	Accretion mode versus radio morphology in the LOFAR Deep Fields. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3250-3271.	4.4	22
2578	Stress Concentration Factors in Excavation Repairs of Surface Defects in Forgings and Castings. Materials, 2022, 15, 1705.	2.9	0
2579	<scp>quokka</scp>: a code for two-moment AMR radiation hydrodynamics on GPUs. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1430-1449.	4.4	3
2580	Hirshfeld atom refinement based on projector augmented wave densities with periodic boundary conditions. IUCrJ, 2022, 9, 286-297.	2.2	9
2581	NEID Rossiter–McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. Astrophysical Journal Letters, 2022, 926, L7.	8.3	11
2583	Network modeling predicts personalized gene expression and drug responses in valve myofibroblasts cultured with patient sera. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
2584	IBIS-A: The IBIS data Archive. Astronomy and Astrophysics, 2022, 661, A74.	5.1	4
2585	Probing Hot Gas Components of the Circumgalactic Medium in Cosmological Simulations with the Thermal Sunyaev–Zel'dovich Effect. Astrophysical Journal, 2022, 926, 179.	4.5	9

#	ARTICLE	IF	CITATIONS
2586	Dissecting Nearby Galaxies with piXedfit. I. Spatially Resolved Properties of Stars, Dust, and Gas as Revealed by Panchromatic SED Fitting. Astrophysical Journal, 2022, 926, 81.	4.5	15
2588	Quantum advantage for differential equation analysis. Physical Review A, 2022, 105, .	2.5	5
2590	Classification of ischemia from myocardial polar maps in 15Oâ€"H2O cardiac perfusion imaging using a convolutional neural network. Scientific Reports, 2022, 12, 2839.	3.3	5
2591	Deep Realistic Extragalactic Model (DREaM) Galaxy Catalogs: Predictions for a Roman Ultra-deep Field. Astrophysical Journal, 2022, 926, 194.	4.5	16
2592	Circumstellar Interaction Powers the Light Curves of Luminous Rapidly Evolving Optical Transients. Astrophysical Journal, 2022, 926, 125.	4.5	20
2593	Radio-<i>Î³</i>-ray response in blazars as a signature of adiabatic blob expansion. Astronomy and Astrophysics, 2022, 658, A173.	5.1	6
2594	Diversity of Pseudomonas aeruginosa Temperate Phages. MSphere, 2022, 7, e0101521.	2.9	16
2597	Design of Fiber-Composite/Metalâ€"Hybrid Structures Made by Multi-Stage Coreless Filament Winding. Applied Sciences (Switzerland), 2022, 12, 2296.	2.5	8
2598	Linear Regression vs. Deep Learning: A Simple Yet Effective Baseline for Human Body Measurement. Sensors, 2022, 22, 1885.	3.8	8
2599	From Sound Perception to Automatic Detection of Schizophrenia: An EEG-Based Deep Learning Approach. Frontiers in Psychiatry, 2021, 12, 813460.	2.6	14
2600	The Rapid X-Ray and UV Evolution of ASASSN-14ko. Astrophysical Journal, 2022, 926, 142.	4.5	12
2601	RateML: A Code Generation Tool for Brain Network Models. Frontiers in Network Physiology, 2022, 2, .	1.8	5
2602	Early detection of Ventricular Bigeminy/Trigeminy rhythms. Multi-Science Journal, 2022, 5, 1-10.	0.1	0
2603	The 3D Kinematics of the Orion Nebula Cluster: NIRSPEC-AO Radial Velocities of the Core Population. Astrophysical Journal, 2022, 926, 141.	4.5	12
2604	Tidally Tilted Pulsations in HD 265435, a Subdwarf B Star with a Close White Dwarf Companion. Astrophysical Journal Letters, 2022, 928, L14.	8.3	7
2606	SEDENOSS: SEparating and DENOising Seismic Signals With Dualâ€"Path Recurrent Neural Network Architecture. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	12
2607	Trade-offs in Sampling and Search for Early-stage Interactive Text Classification. , 2022, , .		0
2608	Accelerating Non-LTE Synthesis and Inversions with Graph Networks. Astrophysical Journal, 2022, 928, 101.	4.5	3

#	Article	IF	Citations
2609	A systematic approach for evaluating the role of surface-exposed loops in trypsin-like serine proteases applied to the 170 loop in coagulation factor VIIa. Scientific Reports, 2022, 12, 3747.	3.3	2
2610	Cuspy dark matter density profiles in massive dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1012-1031.	4.4	3
2611	Stellar proper motions in the outskirts of classical dwarf spheroidal galaxies with <i>Gaia</i> EDR3. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5601-5619.	4.4	10
2612	Epidemiological cut-off values for a 96-well broth microdilution plate for high-throughput research antibiotic susceptibility testing of <i>M. tuberculosis</i>. European Respiratory Journal, 2022, 60, 2200239.	6.7	29
2613	Composing Music Inspired by Sculpture: A Cross-Domain Mapping and Genetic Algorithm Approach. Entropy, 2022, 24, 468.	2.2	2
2614	A First‐Order Statistical Exploration of the Mathematical Limits of Micromagnetic Tomography. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
2615	The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. Astronomical Journal, 2022, 163, 151.	4.7	6
2616	A multi-instrument investigation of the frequency stability of oscillations above the acoustic cut-off frequency with solar activity. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
2617	Heart Rate Measurement Accuracy of Fitbit Charge 4 and Samsung Galaxy Watch Active2: Device Evaluation Study. JMIR Formative Research, 2022, 6, e33635.	1.4	19
2618	Numerical Model of the Railway Brake Disk for the Temperature and Axial Thermal Stress Analyses. Journal of Thermal Science and Engineering Applications, 2022, 14, .	1.5	3
2619	Genome-wide identification and analysis of prognostic features in human cancers. Cell Reports, 2022, 38, 110569.	6.4	48
2620	Possible Ribose Synthesis in Carbonaceous Planetesimals. Life, 2022, 12, 404.	2.4	6
2621	How Data Mining Can Improve Road Safety in Cities. Social Sciences, 2022, 11, 130.	1.4	0
2622	d3p - A Python Package for Differentially-Private Probabilistic Programming. Proceedings on Privacy Enhancing Technologies, 2022, 2022, 407-425.	2.8	3
2623	Automatic Classification of National Health Service Feedback. Mathematics, 2022, 10, 983.	2.2	9
2624	Mapping spatial frequency preferences across human primary visual cortex. Journal of Vision, 2022, 22, 3.	0.3	8
2625	CoroFinder: A New Tool for Real Time Detection and Tracking of Coronary Arteries in Contrast-Free Cine-Angiography. Journal of Personalized Medicine, 2022, 12, 411.	2.5	1
2627	Chemical Feedback of Pebble Growth: Impacts on CO depletion and C/O ratios. Astrophysical Journal, 2022, 927, 206.	4.5	11

#	Article	IF	Citations
2628	Constraining the Cosmic Baryon Distribution with Fast Radio Burst Foreground Mapping. Astrophysical Journal, 2022, 928, 9.	4.5	16
2630	Adding hydrogen atoms to molecular models via fragment superimposition. Algorithms for Molecular Biology, 2022, 17, 7.	1.2	1
2631	Synthetic correlated diffusion imaging hyperintensity delineates clinically significant prostate cancer. Scientific Reports, 2022, 12, 3376.	3.3	4
2632	Caltech Conte Center, a multimodal data resource for exploring social cognition and decision-making. Scientific Data, 2022, 9, 138.	5.3	1
2633	Bayesian calibration, process modeling and uncertainty quantification in biotechnology. PLoS Computational Biology, 2022, 18, e1009223.	3.2	10
2634	Is Precipitation Responsible for the Most Hydrological Model Uncertainty?. Frontiers in Water, 2022, 4, .	2.3	6
2635	Observability of evaporating lava worlds. Astronomy and Astrophysics, 2022, 661, A126.	5.1	18
2636	Using Deep Learning to Predict the Amount of Chemicals Applied on the Wheel Track for Winter Road Maintenance. Applied Sciences (Switzerland), 2022, 12, 3508.	2.5	1
2637	Numerical investigation of the logarithmic Schrödinger model of quantum decoherence. Physical Review A, 2022, 105, .	2.5	1
2638	Cubical Homology-Based Machine Learning: An Application in Image Classification. Axioms, 2022, 11, 112.	1.9	8
2639	Heat Load Profiles in Industry and the Tertiary Sector: Correlation with Electricity Consumption and Ex Post Modeling. Sustainability, 2022, 14, 4033.	3.2	3
2640	Self-Cleaning Biomimetic Surfaces—The Effect of Microstructure and Hydrophobicity on Conidia Repellence. Materials, 2022, 15, 2526.	2.9	5
2641	A Comparison of Multiphase Magnetic Field Tracers in a High Galactic Latitude Region of the Filamentary Interstellar Medium. Astrophysical Journal, 2022, 927, 49.	4.5	5
2642	Detecting stochastic gravitational waves with binary resonance. Physical Review D, 2022, 105, .	4.7	16
2643	Cascaded mutual enhancing networks for brain tumor subregion segmentation in multiparametric MRI. Physics in Medicine and Biology, 2022, 67, 085015.	3.0	5
2644	Toward a Better Understanding of Cosmic Chronometers: Stellar Population Properties of Passive Galaxies at Intermediate Redshift. Astrophysical Journal, 2022, 927, 164.	4.5	16
2645	AmazonForest: In Silico Metaprediction of Pathogenic Variants. Biology, 2022, 11, 538.	2.8	0
2646	Toward a Better Understanding of Cosmic Chronometers: A New Measurement of H(z) at z ≈ 0.7. Astrophysical Journal Letters, 2022, 928, L4.	8.3	57

#	Article	IF	Citations
2647	Open-source analysis and visualization of segmented vasculature datasets with VesselVio. Cell Reports Methods, 2022, 2, 100189.	2.9	12
2648	Flares, Rotation, and Planets of the AU Mic System from TESS Observations. Astronomical Journal, 2022, 163, 147.	4.7	28
2649	Stellar multiplicity affects the correlation between protoplanetary disc masses and accretion rates: binaries explain high accretors in Upper Sco. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3538-3550.	4.4	14
2650	Methodsâ€"Unexpected Effects in Galvanostatic EIS of Randlesâ€™ Cells: Initial Transients and Harmonics Generated. Journal of the Electrochemical Society, 2022, 169, 030527.	2.9	6
2651	SciKit-GStat 1.0: a SciPy-flavored geostatistical variogram estimation toolbox written in Python. Geoscientific Model Development, 2022, 15, 2505-2532.	3.6	12
2652	Cell Painting predicts impact of lung cancer variants. Molecular Biology of the Cell, 2022, 33, mbcE21110538.	2.1	25
2654	Program Synthesis of Sparse Algorithms for Wave Function and Energy Prediction in Grid-Based Quantum Simulations. Journal of Chemical Theory and Computation, 2022, , .	5.3	0
2655	Mobile origin-licensing factors confer resistance to conflicts with RNA polymerase. Cell Reports, 2022, 38, 110531.	6.4	17
2656	How Well Does Kohnâ€"Sham Regularizer Work for Weakly Correlated Systems?. Journal of Physical Chemistry Letters, 2022, 13, 2540-2547.	4.6	6
2657	Selection Effects in Periodic X-Ray Data from Maximizing Detection Statistics. Astrophysical Journal, 2022, 927, 195.	4.5	2
2660	Voxelâ€wise supervised analysis of tumors with multimodal engineered features to highlight interpretable biological patterns. Medical Physics, 2022, 49, 3816-3829.	3.0	12
2661	Weighing the Galactic disk using phase-space spirals. Astronomy and Astrophysics, 2022, 663, A16.	5.1	7
2662	FISH-quant v2: a scalable and modular tool for smFISH image analysis. Rna, 2022, 28, 786-795.	3.5	45
2663	SARS-CoV-2 host prediction based on virus-host genetic features. Scientific Reports, 2022, 12, 4576.	3.3	0
2664	Genome wide association study of Escherichia coli bloodstream infection isolates identifies genetic determinants for the portal of entry but not fatal outcome. PLoS Genetics, 2022, 18, e1010112.	3.5	22
2666	He ii LyÎ± Transmission Spikes and Absorption Troughs in Eight High-resolution Spectra Probing the End of He ii Reionization. Astrophysical Journal, 2022, 927, 175.	4.5	0
2667	p-winds: An open-source Python code to model planetary outflows and upper atmospheres. Astronomy and Astrophysics, 2022, 659, A62.	5.1	22
2668	Circularly polarized radio emission from the repeating fast radio burst source FRBâ€‰20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3400-3413.	4.4	34

#	Article	IF	Citations
2669	Detection of period-spacing patterns due to the gravity modes of rotating dwarfs in the TESS southern continuous viewing zone. Astronomy and Astrophysics, 2022, 662, A82.	5.1	11
2670	Automation and Coupling of Models for Coastal Flood Forecasting in South Texas. Journal of Extreme Events, 0, , .	1.1	0
2671	Sepsis Prediction for the General Ward Setting. Frontiers in Digital Health, 2022, 4, 848599.	2.8	0
2672	Rainbow: Automated Air-Liquid Interface Cell Culture Analysis Using Deep Optical Flow. Journal of Open Source Software, 2022, 7, 4080.	4.6	1
2673	Heterogeneous nucleation of creases in swelling polymer gels. Physical Review E, 2022, 105, 034504.	2.1	1
2674	Significant Molecular Gas Deficiencies in Star-forming Cluster Galaxies at z â^¼ 1.4. Astrophysical Journal, 2022, 927, 235.	4.5	9
2675	A weakened recurrent circuit in the hippocampus of Rett syndrome mice disrupts long-term memory representations. Neuron, 2022, 110, 1689-1699.e6.	8.1	8
2677	Effectiveness of COVID-19 Vaccines: Evidence from the First-Year Rollout of Vaccination Programs. Vaccines, 2022, 10, 409.	4.4	4
2678	Robust Absolute Solar Flux Density Calibration for the Murchison Widefield Array. Astrophysical Journal, 2022, 927, 17.	4.5	9
2679	Development of resilience indicator traits based on daily step count data for dairy cattle breeding. Genetics Selection Evolution, 2022, 54, 21.	3.0	10
2680	Fast radio bursts as probes of feedback from active galactic nuclei. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 512, L49-L53.	3.3	1
2681	The physical home environment and sleep: What matters most for sleep in early childhood.. Journal of Family Psychology, 2022, 36, 757-769.	1.3	6
2682	<scp>ENIGMA HALFpipe</scp>: Interactive, reproducible, and efficient analysis for restingâ€state and taskâ€based <scp>fMRI</scp> data. Human Brain Mapping, 2022, 43, 2727-2742.	3.6	23
2683	Measures of Clonal Hematopoiesis: Are We Missing Something?. Frontiers in Medicine, 2022, 9, 836141.	2.6	1
2684	SISSO++: A C++ Implementation of the Sure-Independence Screening and Sparsifying Operator Approach. Journal of Open Source Software, 2022, 7, 3960.	4.6	8
2685	Automated scripting of the dosimetric evaluation of adaptive versus non-adaptive radiotherapy. Biomedical Physics and Engineering Express, 2022, 8, 037001.	1.2	1
2687	The multifarious ionization sources and disturbed kinematics of extraplanar gas in five low-mass galaxies. Astronomy and Astrophysics, 2022, 659, A153.	5.1	8
2688	Snails across Scales: Local and Global Phase-mixing Structures as Probes of the Past and Future Milky Way. Astrophysical Journal, 2022, 928, 80.	4.5	13

#	ARTICLE	IF	CITATIONS
2689	The CGM² Survey: Circumgalactic O vi from Dwarf to Massive Star-forming Galaxies. Astrophysical Journal, 2022, 927, 147.	4.5	11
2691	ALMA High-resolution Multiband Analysis for the Protoplanetary Disk around TW Hya. Astrophysical Journal, 2022, 928, 49.	4.5	5
2692	Determining Star Formation Rates of Active Galactic Nucleus Host Galaxies Based on SED Fitting with Submillimeter Data. Astrophysical Journal, 2022, 928, 73.	4.5	4
2693	Processing of pain by the developing brain: evidence of differences between adolescent and adult females. Pain, 2022, 163, 1777-1789.	4.2	9
2694	Non-local thermal equilibrium spectra of atmospheric molecules for exoplanets. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2911-2924.	4.4	3
2695	Measuring the Nonaxially Symmetric Surface Temperature Distribution of the Central Compact Object in Puppis A. Astrophysical Journal, 2022, 927, 233.	4.5	2
2696	Driving Behavior Analysis Software for AI-Driven Autonomous Vehicles. , 0, , .		0
2697	Molecular Dynamics Simulations of Transmembrane Cyclic Peptide Nanotubes Using Classical Force Fields, Hydrogen Mass Repartitioning, and Hydrogen Isotope Exchange Methods: A Critical Comparison. International Journal of Molecular Sciences, 2022, 23, 3158.	4.1	1
2698	Measuring the F-corona intensity through time correlation of total and polarized visible light images. Astronomy and Astrophysics, 2022, 659, A50.	5.1	1
2699	Magnetic resonance imaging contrast enhancement synthesis using cascade networks with local supervision. Medical Physics, 2022, 49, 3278-3287.	3.0	13
2700	Astrometric Precision Tests on TESS Data. Publications of the Astronomical Society of the Pacific, 2022, 134, 035004.	3.1	2
2701	Ground-Motion Modeling as an Image Processing Task: Introducing a Neural Network Based, Fully Data-Driven, and Nonergodic Approach. Bulletin of the Seismological Society of America, 2022, 112, 1565-1582.	2.3	10
2702	Automated Vision-Based Building Inspection Using Drone Thermography. , 2022, , .		2
2703	3D Kinematics of Stellar SiO Masers in the Galactic Center. Astrophysical Journal, 2022, 927, 181.	4.5	1
2704	Evolution of innate behavioral strategies through competitive population dynamics. PLoS Computational Biology, 2022, 18, e1009934.	3.2	0
2705	New periodograms separating orbital radial velocities and spectral shape variation. Astronomy and Astrophysics, 2022, 659, A189.	5.1	6
2706	Comparing lensing and stellar orbital models of a nearby massive strong-lens galaxy. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5298-5310.	4.4	3
2707	Recent Applications of Bayesian Methods to the Solar Corona. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	6

#	Article	IF	Citations
2708	Stripenn detects architectural stripes from chromatin conformation data using computer vision. Nature Communications, 2022, 13, 1602.	12.8	23
2709	A joint ranking statistic for multi-messenger astronomical searches with gravitational waves. Classical and Quantum Gravity, 2022, 39, 085010.	4.0	2
2710	Holistic Process Models: A Bayesian Predictive Ensemble Method for Single and Coupled Unit Operation Models. Processes, 2022, 10, 662.	2.8	3
2711	Principles and pitfalls of high-throughput analysis of microRNA-binding thermodynamics and kinetics by RNA Bind-n-Seq. Cell Reports Methods, 2022, 2, 100185.	2.9	4
2712	The cosmological simulation code CONCEPT€‰1.0. Monthly Notices of the Royal Astronomical Society, 2022, 513, 991-1014.	4.4	3
2713	The Kiloparsec-scale Neutral Atomic Carbon Outflow in the Nearby Type 2 Seyfert Galaxy NGC 1068: Evidence for Negative AGN Feedback. Astrophysical Journal Letters, 2022, 927, L32.	8.3	12
2715	Observing Noncovalent Interactions in Experimental Electron Density for Macromolecular Systems: A Novel Perspective for Protein€"Ligand Interaction Research. Journal of Chemical Information and Modeling, 2022, 62, 1734-1743.	5.4	11
2717	StrainGE: a toolkit to track and characterize low-abundance strains in complex microbial communities. Genome Biology, 2022, 23, 74.	8.8	35
2718	Physical Constraints on the Extended Interstellar Medium of the $z = 6.42$ Quasar J1148+5251: [C ii]$_{158 μm}$, [N ii]$_{205 μm}$, and [O i]$_{146 μm}$ Observations. Astrophysical Journal, 2022, 927, 152.	4.5	26
2719	The impact of galaxy selection on the splashback boundaries of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 513, 835-852.	4.4	8
2720	Across the green valley with HST grisms: colour evolution, crossing time-scales, and the growth of the red sequence at z = 1.0€"1.8. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3566-3588.	4.4	9
2721	A Parameterized Model for Differential Galaxy Counts at Any Wavelength. Research Notes of the AAS, 2022, 6, 60.	0.7	0
2722	Measurement of Galactic 26Al with the Compton Spectrometer and Imager. Astrophysical Journal, 2022, 928, 119.	4.5	6
2723	Stellar Abundance Maps of the Milky Way Disk. Astrophysical Journal, 2022, 928, 23.	4.5	23
2724	ExhauFS: exhaustive search-based feature selection for classification and survival regression. PeerJ, 2022, 10, e13200.	2.0	7
2725	A review of near-surface QS estimation methods using active and passive sources. Journal of Seismology, 2022, 26, 823-862.	1.3	8
2726	GraphBLAST: A High-Performance Linear Algebra-based Graph Framework on the GPU. ACM Transactions on Mathematical Software, 2022, 48, 1-51.	2.9	18
2727	A hyperparameter€tuning approach to automated inverse planning. Medical Physics, 2022, 49, 3405-3415.	3.0	4

#	Article	IF	Citations
2728	The optimal period for oocyte retrieval after the administration of recombinant human chorionic gonadotropin in in vitro fertilization. BMC Pregnancy and Childbirth, 2022, 22, 184.	2.4	3
2729	Predicting Food Intake From Food Reward and Biometric Responses to Food Cues in Adults With Normal Weight Using Machine Learning. Journal of Nutrition, 2022, , .	2.9	2
2730	Prediction of Astrometric-microlensing Events from Gaia eDR3 Proper Motions* â€. Astronomical Journal, 2022, 163, 176.	4.7	6
2732	How to obtain reaction free energies from free-energy profiles. Journal of Chemical Physics, 2022, 156, 114105.	3.0	8
2733	Gluon gravitational structure of hadrons of different spin. Physical Review D, 2022, 105, .	4.7	27
2734	Effects on the local dark matter distribution due to the large magellanic cloud. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 513, 46-51.	3.3	5
2735	Height-Averaged Navierâ€"Stokes Solver for Hydrodynamic Lubrication. Tribology Letters, 2022, 70, 1.	2.6	5
2736	The TESS Faint-star Search: 1617 TOIs from the TESS Primary Mission. Astrophysical Journal, Supplement Series, 2022, 259, 33.	7.7	23
2737	A Systematic Exploration of Kilonova Candidates from Neutron Star Mergers during the Third Gravitational-wave Observing Run. Astrophysical Journal, 2022, 927, 50.	4.5	6
2738	<i>SASSY21</i>: A 3â€D Seismic Structural Model of the Lithosphere and Underlying Mantle Beneath Southeast Asia From Multiâ€Scale Adjoint Waveform Tomography. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	17
2739	Recovery of TESS Stellar Rotation Periods Using Deep Learning. Astrophysical Journal, 2022, 927, 219.	4.5	18
2740	Constraints on Kerr-Newman black holes from merger-ringdown gravitational-wave observations. Physical Review D, 2022, 105, .	4.7	21
2741	Constraining Galaxy Overdensities around Three z â‹¼ 6.5 Quasars with ALMA and MUSE. Astrophysical Journal, 2022, 927, 141.	4.5	16
2742	Effects of UV Stellar Spectral Uncertainty on the Chemistry of Terrestrial Atmospheres. Astrophysical Journal, 2022, 927, 90.	4.5	21
2743	LOCAN: a python library for analyzing single-molecule localization microscopy data. Bioinformatics, 2022, 38, 2670-2672.	4.1	8
2744	X-Ray Emission from Candidate Stellar Merger Remnant TYC 2597-735-1 and Its Blue Ring Nebula. Astronomical Journal, 2022, 163, 173.	4.7	0
2746	A novel cosmic filament catalogue from SDSS data. Astronomy and Astrophysics, 2022, 659, A166.	5.1	9
2748	Representation Learning for EEG-Based Biometrics Using Hilbertâ€"Huang Transform. Computers, 2022, 11, 47.	3.3	7

#	Article	IF	Citations
2749	Surveys of Clumps, Cores, and Condensations in Cygnus X. II. Radio Properties of Massive Dense Cores. Astrophysical Journal, 2022, 927, 185.	4.5	3
2750	nGauge: Integrated and Extensible Neuron Morphology Analysis in Python. Neuroinformatics, 2022, 20, 755-764.	2.8	3
2751	Ultrastrong Coupling of a Single Molecule to a Plasmonic Nanocavity: A First-Principles Study. ACS Photonics, 2022, 9, 1065-1077.	6.6	18
2752	Evidence that the Hot Jupiter WASP-77 A b Formed Beyond Its Parent Protoplanetary Disk's H2O Ice Line. Astronomical Journal, 2022, 163, 159.	4.7	20
2753	Identification of Flux Rope Orientation via Neural Networks. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	5
2754	Bending-torsional elasticity and energetics of the plus-end microtubule tip. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115516119.	7.1	7
2755	Radio and far-IR emission associated with a massive star-forming galaxy candidate at $z \approx$ 6.8: a radio-loud AGN in the reionization era?. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4248-4261.	4.4	12
2756	CHORUS. IV. Mapping the Spatially Inhomogeneous Cosmic Reionization with Subaru HSC. Astrophysical Journal, 2022, 927, 32.	4.5	8
2757	A Hybrid Bimodal LSTM Architecture for Cascading Thermal Energy Storage Modelling. Energies, 2022, 15, 1959.	3.1	1
2758	The eccentricity distribution of wide binaries and their individual measurements. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3383-3399.	4.4	36
2759	Atmospheric Dynamics of Temperate Sub-Neptunes. I. Dry Dynamics. Astrophysical Journal, 2022, 927, 38.	4.5	8
2760	Analysing high-throughput sequencing data in Python with HTSeq 2.0. Bioinformatics, 2022, 38, 2943-2945.	4.1	335
2761	Leveraging Parameter Dependencies in High-Field Asymmetric Waveform Ion-Mobility Spectrometry and Size Exclusion Chromatography for Proteome-wide Cross-Linking Mass Spectrometry. Analytical Chemistry, 2022, 94, 4627-4634.	6.5	6
2762	A Lab-in-a-Fiber optofluidic device using droplet microfluidics and laser-induced fluorescence for virus detection. Scientific Reports, 2022, 12, 3539.	3.3	20
2763	Magnetic Spirals in Accretion Flows Originated from Misaligned Magnetic Fields. Astrophysical Journal, 2022, 928, 85.	4.5	3
2764	Validation Solutions to the Full-sky Radio Interferometry Measurement Equation for Diffuse Emission. Astrophysical Journal, Supplement Series, 2022, 259, 22.	7.7	2
2765	An Open-Source System for Generating and Computer Grading Traditional Non-Coding Assignments. Electronics (Switzerland), 2022, 11, 917.	3.1	1
2767	A molecular switch controls the impact of cholesterol on a Kir channel. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109431119.	7.1	9

#	ARTICLE	IF	CITATIONS
2768	Predicting the hydrodynamic properties of a bioreactor: Conditional density estimation as a surrogate model for CFD simulations. Chemical Engineering Research and Design, 2022, 182, 342-359.	5.6	5
2769	HV-LSC-ex^{2}: velocity field interpolation using extended least-squares collocation. Journal of Geodesy, 2022, 96, 1.	3.6	4
2770	The VMC survey â€" XLVI. Stellar proper motions in the centre of the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5423-5439.	4.4	8
2771	Metabolic Footprinting of Microbial Systems Based on Comprehensive In Silico Predictions of MS/MS Relevant Data. Metabolites, 2022, 12, 257.	2.9	3
2772	WISDOM Project â€" X. The morphology of the molecular ISM in galaxy centres and its dependence on galaxy structure. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1522-1540.	4.4	17
2773	Contiguously hydrophobic sequences are functionally significant throughout the human exome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116267119.	7.1	1
2774	A dynamics-based density profile for dark haloes â€" I. Algorithm and basic results. Monthly Notices of the Royal Astronomical Society, 2022, 513, 573-594.	4.4	20
2775	Searching for pulsars associated with polarised point sources using LOFAR: Initial discoveries from the TULIPP project. Astronomy and Astrophysics, 2022, 661, A87.	5.1	10
2776	Cosmic-Ray Transport near the Sun. Astrophysical Journal, 2022, 928, 22.	4.5	1
2777	Understanding How Fast Black Holes Spin by Analyzing Data from the Second Gravitational-wave Catalogue. Astrophysical Journal, 2022, 928, 75.	4.5	14
2778	Open multimodal iEEG-fMRI dataset from naturalistic stimulation with a short audiovisual film. Scientific Data, 2022, 9, 91.	5.3	10
2779	The Three Hundred project: dissecting the Fundamental Plane of galaxy clusters up to <i>z</i>Â= 1. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1214-1233.	4.4	2
2780	Optimal Combination of Femoral Tunnel Orientation in Anterior Cruciate Ligament Reconstruction Using an Inside-out Femoral Technique Combined With an Anterolateral Extra-articular Reconstruction. American Journal of Sports Medicine, 2022, 50, 1205-1214.	4.2	5
2781	An Absolute Calibration of the Near-infrared Periodâ€"Luminosity Relations of Type II Cepheids in the Milky Way and in the Large Magellanic Cloud. Astrophysical Journal, 2022, 927, 89.	4.5	5
2782	Graph Neural Networks for Charged Particle Tracking on FPGAs. Frontiers in Big Data, 2022, 5, 828666.	2.9	12
2783	Dippers from TESS Full-frame Images. II. Spectroscopic Characterization of Four Young Dippers. Astrophysical Journal, Supplement Series, 2022, 259, 40.	7.7	0
2784	Structure, substrate recognition and initiation of hyaluronan synthase. Nature, 2022, 604, 195-201.	27.8	53
2785	Scale ambiguities in material recognition. IScience, 2022, 25, 103970.	4.1	3

#	Article	IF	Citations
2786	New candidates for magnetar counterparts from a deep search with the *Hubble Space Telescope*. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6093-6103.	4.4	2
2787	Evolution of the Automatic Rhodopsin Modeling (ARM) Protocol. Topics in Current Chemistry, 2022, 380, 21.	5.8	7
2788	Automatic detection of low surface brightness galaxies from Sloan Digital Sky Survey images. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3972-3981.	4.4	9
2789	A Guide to Realistic Uncertainties on the Fundamental Properties of Solar-type Exoplanet Host Stars. Astrophysical Journal, 2022, 927, 31.	4.5	77
2790	Weighing the Galactic disk using phase-space spirals. Astronomy and Astrophysics, 2022, 663, A15.	5.1	11
2791	Polymer Structure Predictor (PSP): A Python Toolkit for Predicting Atomic-Level Structural Models for a Range of Polymer Geometries. Journal of Chemical Theory and Computation, 2022, 18, 2737-2748.	5.3	7
2792	Nitrogen Metabolism in Pseudomonas putida: Functional Analysis Using Random Barcode Transposon Sequencing. Applied and Environmental Microbiology, 2022, 88, e0243021.	3.1	8
2793	CASowary: CRISPR-Cas13 guide RNA predictor for transcript depletion. BMC Genomics, 2022, 23, 172.	2.8	9
2794	Yonder: A Python Package for Data Denoising and Reconstruction. Research Notes of the AAS, 2022, 6, 51.	0.7	1
2796	Wide binaries from the H3 survey: the thick disc and halo have similar wide binary fractions. Monthly Notices of the Royal Astronomical Society, 2022, 513, 754-767.	4.4	5
2797	Flexible and Accurate Evaluation of Gravitational-wave Malmquist Bias with Machine Learning. Astrophysical Journal, 2022, 927, 76.	4.5	13
2798	Kilonova Detectability with Wide-field Instruments. Astrophysical Journal, 2022, 927, 163.	4.5	34
2799	The Maximum Mass-loss Efficiency for a Photoionization-driven Isothermal Parker Wind. Astrophysical Journal, 2022, 927, 96.	4.5	8
2800	Bridging the μHz Gap in the Gravitational-Wave Landscape with Binary Resonances. Physical Review Letters, 2022, 128, 101103.	7.8	23
2802	Intensity of COVID-19 in care homes following hospital discharge in the early stages of the UK epidemic. Age and Ageing, 2022, 51, .	1.6	3
2803	Nature versus Nurture: Investigating the Effects of Measurement Uncertainties in the Assessment of Potential Trends between Planetary and Stellar Properties. Astronomical Journal, 2022, 163, 188.	4.7	0
2804	The impact of natal kicks on galactic r-process enrichment by neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5258-5268.	4.4	14
2805	PyNumDiff: A Python package for numerical differentiation of noisy time-series data. Journal of Open Source Software, 2022, 7, 4078.	4.6	10

#	Article	IF	Citations
2806	Characteristics of small protoplanetary disc warps in kinematic observations. Monthly Notices of the Royal Astronomical Society, 2022, 513, 487-502.	4.4	7
2807	Strong [O iii] λ5007 Emission-line Compact Galaxies in LAMOST DR9: Blueberries, Green Peas, and Purple Grapes. Astrophysical Journal, 2022, 927, 57.	4.5	9
2808	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. Astrophysical Journal, 2022, 927, 109.	4.5	5
2809	Neural simulation-based inference approach for characterizing the Galactic Center γ-ray excess. Physical Review D, 2022, 105, .	4.7	13
2810	Dynamics of Reactive Carbonyl Species in Pea Root Nodules in Response to Polyethylene Glycol (PEG)-Induced Osmotic Stress. International Journal of Molecular Sciences, 2022, 23, 2726.	4.1	7
2811	Comparison of cardiac volumetry using real-time MRI during free-breathing with standard cine MRI during breath-hold in children. Pediatric Radiology, 2022, 52, 1462-1475.	2.0	7
2812	Guidelines for collaborative development of sustainable data treatment software. Journal of Neutron Research, 2022, 24, 33-72.	1.1	6
2814	Revealing the Field Sub-subgiant Population Using a Catalog of Active Giant Stars and Gaia EDR3. Astrophysical Journal, 2022, 927, 222.	4.5	9
2815	NIHAO-LG: the uniqueness of Local Group dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6134-6149.	4.4	6
2816	A global view of shocked plasma in the supernova remnant Puppis A provided by SRG/eROSITA. Astronomy and Astrophysics, 2022, 661, A31.	5.1	3
2817	Applying computer vision to digitised natural history collections for climate change research: Temperature–size responses in British butterflies. Methods in Ecology and Evolution, 2023, 14, 372-384.	5.2	10
2818	FORECASTING STOCK MARKET CRASHES VIA REAL-TIME RECESSION PROBABILITIES: A QUANTUM COMPUTING APPROACH. Fractals, 2022, 30, .	3.7	3
2819	Qudi-HiM: an open-source acquisition software package for highly multiplexed sequential and combinatorial optical imaging. Open Research Europe, 0, 2, 46.	2.0	2
2820	Characterization of Hydrophilic α-Helical Hot Spots on the Protein–Protein Interaction Interfaces for the Design of α-Helix Mimetics. Journal of Chemical Information and Modeling, 2022, 62, 1873-1890.	5.4	3
2821	Structural and load parameter estimation of a real–world reinforced concrete slab bridge using measurements and Bayesian statistics. Structural Concrete, 2022, 23, 3569-3600.	3.1	1
2822	Machine learning with model selection to predict TOC from mineralogical constituents: case study in the Sichuan Basin. International Journal of Environmental Science and Technology, 0, , 1.	3.5	0
2823	Optical and Near-infrared Excesses are Correlated in T Tauri Stars. Astrophysical Journal, 2022, 928, 134.	4.5	4
2824	Electromagnetic Signatures from Supermassive Binary Black Holes Approaching Merger. Astrophysical Journal, 2022, 928, 137.	4.5	17

#	ARTICLE	IF	CITATIONS
2825	The Contribution of AGN Accretion Disks to Hydrogen Reionization. Astrophysical Journal, 2022, 929, 21.	4.5	4
2826	Adaptive fitting of potential energy surfaces of small to medium-sized molecules in sum-of-product form: Application to vibrational spectroscopy. Journal of Chemical Physics, 2022, 156, 164106.	3.0	5
2827	Predicting Usual Interstitial Pneumonia Histopathology From Chest CT Imaging With Deep Learning. Chest, 2022, 162, 815-823.	0.8	18
2828	Identifying unique acoustic signatures from chemically-crosslinked microbubble clusters using deep learning. , 2022, , .		0
2829	Crack front instability in mixed-mode I+III: The influence of non-singular stresses. European Journal of Mechanics, A/Solids, 2023, 100, 104602.	3.7	2
2830	SciKit-SurgeryGlenoid, an open source toolkit for glenoid version measurement. , 2022, , .		0
2831	Distance to the Brick cloud using stellar kinematics. Astronomy and Astrophysics, 2022, 660, L3.	5.1	4
2832	Numerical Simulations on Nonlinear Quantum Graphs with the GraFiDi Library. SMAI Journal of Computational Mathematics, 0, 8, 1-47.	0.0	5
2833	Redshift space distortions: Unmixing radial scales in projection. Physical Review D, 2022, 105, .	4.7	2
2834	A genetic mixed-integer optimization of neural network hyper-parameters. Journal of Supercomputing, 2022, 78, 14680-14702.	3.6	2
2836	DIVIS: a semantic DIstance to improve the VISualisation of heterogeneous phenotypic datasets. BioData Mining, 2022, 15, 10.	4.0	1
2837	Intelligent cost-effective winter road maintenance by predicting road surface temperature using machine learning techniques. Knowledge-Based Systems, 2022, 247, 108682.	7.1	8
2838	The MASSIVE Survey. XVII. A Triaxial Orbit-based Determination of the Black Hole Mass and Intrinsic Shape of Elliptical Galaxy NGC 2693. Astrophysical Journal, 2022, 928, 178.	4.5	8
2839	Torch-NILM: An Effective Deep Learning Toolkit for Non-Intrusive Load Monitoring in Pytorch. Energies, 2022, 15, 2647.	3.1	6
2840	Characterization of the polarized synchrotron emission from Planck and WMAP data. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 003.	5.4	12
2841	Statistical Properties of the Nebular Spectra of 103 Stripped-envelope Core-collapse Supernovae*. Astrophysical Journal, 2022, 928, 151.	4.5	21
2842	Few-shot learning for biotic stress classification of coffee leaves. Artificial Intelligence in Agriculture, 2022, 6, 55-67.	6.0	8
2844	Evaluating the feasibility of interpretable machine learning for globular cluster detection. Astronomy and Astrophysics, 0, , .	5.1	1

#	ARTICLE	IF	CITATIONS
2845	*n2v*: A density‑to‑potential inversion suite. A sandbox for creating, testing, and benchmarking density functional theory inversion methods. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, .	14.6	10
2846	Facilitated dissociation of nucleoid-associated proteins from DNA in the bacterial confinement. Biophysical Journal, 2022, 121, 1119-1133.	0.5	5
2847	Arousal state affects perceptual decision-making by modulating hierarchical sensory processing in a large-scale visual system model. PLoS Computational Biology, 2022, 18, e1009976.	3.2	6
2848	Multi‑Task Deep Learning of Daily Streamflow and Water Temperature. Water Resources Research, 2022, 58, .	4.2	18
2849	Calorimeter with Bayesian unfolding of spectra of high-flux broadband x rays. Review of Scientific Instruments, 2022, 93, 043102.	1.3	2
2850	Memory propagation in barrier discharge at water interface: suspected Markov states and spatiotemporal memory effects. Plasma Sources Science and Technology, 0, , .	3.1	1
2851	Identifying Predictors of COVID-19 Mortality Using Machine Learning. Life, 2022, 12, 547.	2.4	10
2852	A novel methodology to train and deploy a machine learning model for personalized dose assessment in head CT. European Radiology, 2022, 32, 6418-6426.	4.5	6
2853	Predicting Visual Improvement After Macular Hole Surgery: A Combined Model Using Deep Learning and Clinical Features. Translational Vision Science and Technology, 2022, 11, 6.	2.2	8
2854	Enlarged PLIN5-uncoated lipid droplets in inner regions of skeletal muscle type II fibers associate with type 2 diabetes. Acta Histochemica, 2022, 124, 151869.	1.8	3
2856	MarineTools.temporal: A Python package to simulate Earth and environmental time series. Environmental Modelling and Software, 2022, 150, 105359.	4.5	5
2857	Understanding the Origin of the Particularly Small and Anisotropic Thermal Expansion of MOF‑74. Advanced Theory and Simulations, 2022, 5, .	2.8	5
2858	A stabilizing cooperative-distributed gradient-based economic model predictive control strategy for constrained linear systems. Journal of Process Control, 2022, 112, 36-48.	3.3	1
2859	Meta-modelling the climate of dry tide-locked rocky planets. Astronomy and Astrophysics, 0, , .	5.1	0
2860	The matter density PDF for modified gravity and dark energy with Large Deviations Theory. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	5
2861	The Extremely Buried Nucleus of IRAS 17208‑0014 Observed at Submillimeter and Near-infrared Wavelengths. Astrophysical Journal, 2022, 928, 184.	4.5	4
2862	A New Method for the Reconstruction of Strongly Lensed Galaxies with Resolved Kinematics. Astrophysical Journal, 2022, 929, 6.	4.5	1
2863	PetroFit: A Python Package for Computing Petrosian Radii and Fitting Galaxy Light Profiles. Astronomical Journal, 2022, 163, 202.	4.7	6

#	ARTICLE	IF	CITATIONS
2866	Automated artifact detection in abbreviated dynamic contrast-enhanced (DCE) MRI-derived maximum intensity projections (MIPs) of the breast. European Radiology, 2022, 32, 5997-6007.	4.5	7
2867	AIM: A Mapping Program for Infrared Spectroscopy of Proteins. Journal of Chemical Theory and Computation, 2022, 18, 3089-3098.	5.3	8
2868	Gravitational Microlensing Rates in Milky Way Globular Clusters. Astrophysical Journal, 2022, 928, 181.	4.5	4
2869	Complexity and Persistence of Price Time Series of the European Electricity Spot Market. , 2022, 1, .		10
2871	Study of the equatorial ionosphere using the giant metrewave radio telescope (GMRT) at sub-GHz frequencies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
2872	Plaskett 1.8 m Observations of Starlink Satellites. Astronomical Journal, 2022, 163, 199.	4.7	8
2874	Ordinal synchronization and typical states in high-frequency digital markets. Physica A: Statistical Mechanics and Its Applications, 2022, 598, 127331.	2.6	1
2875	Landslide Susceptibility Assessment Tools v1.0.0b â€" Project Manager Suite: a new modular toolkit for landslide susceptibility assessment. Geoscientific Model Development, 2022, 15, 2791-2812.	3.6	6
2876	Distant trans-Neptunian object candidates from NASAâ€™s TESS mission scrutinised: fainter than predicted or false positives?. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	0
2877	Bioluminescent micro-architectures: planning design in time, an eco-metabolistic approach to biodesign. Architecture, Structures and Construction, 2022, 2, 471-479.	1.5	3
2878	TRIDENT: A Rapid 3D Radiative-transfer Model for Exoplanet Transmission Spectra. Astrophysical Journal, 2022, 929, 20.	4.5	31
2879	Modelling SPECT auto-contouring acquisitions for 177Lu & 131I molecular radiotherapy using new developments in Geant4/GATE. Physica Medica, 2022, 96, 101-113.	0.7	2
2880	Impact of extreme spins and mass ratios on the post-merger observables of high-mass binary neutron stars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3646-3662.	4.4	12
2881	Where outflows meet inflows: gas kinematics in SSA22 LyÂÎ± blob 2 decoded by advanced radiative transfer modelling. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3414-3428.	4.4	9
2882	Periodic stellar variability from almost a million NGTS light curves. Monthly Notices of the Royal Astronomical Society, 2022, 513, 420-438.	4.4	6
2883	The astrometric results of observations of fast-moving NEAs during close approach to the Earth. Planetary and Space Science, 2022, 216, 105477.	1.7	2
2884	Atmosphere loss in oblique Super-Earth collisions. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1680-1700.	4.4	6
2885	The GADD45G/p38 MAPK/CDC25B signaling pathway enhances neurite outgrowth by promoting microtubule polymerization. IScience, 2022, 25, 104089.	4.1	5

#	Article	IF	Citations
2886	HIRA-dependent boundaries between H3 variants shape early replication in mammals. Molecular Cell, 2022, 82, 1909-1923.e5.	9.7	12
2887	Eosinophilic esophagitis multi-label feature recognition on whole slide imaging using transfer learning. , 2022, , .		1
2888	Door-to-Door Transportation Services for Reduced Mobility Population: A Descriptive Analytics of the City of Barcelona. International Journal of Environmental Research and Public Health, 2022, 19, 4536.	2.6	3
2889	Newton meets Ockham: Parameter estimation and model selection of NMR data with NMR-EsPy. Journal of Magnetic Resonance, 2022, 338, 107173.	2.1	0
2890	Multi-objective evolutionary optimization of unsupervised latent variables of turning process. Applied Soft Computing Journal, 2022, 120, 108713.	7.2	6
2891	Comparing global tourism flows measured by official census and social sensing. Online Social Networks and Media, 2022, 29, 100204.	3.6	2
2892	Data considerations for developing deep learning models for dairy applications: A simulation study on mastitis detection. Computers and Electronics in Agriculture, 2022, 196, 106895.	7.7	5
2893	Calibrations of the Compton Spectrometer and Imager. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1031, 166510.	1.6	17
2894	PyLUSAT: An open-source Python toolkit for GIS-based land use suitability analysis. Environmental Modelling and Software, 2022, 151, 105362.	4.5	5
2895	Sperm histone H3 lysine 4 tri-methylation serves as a metabolic sensor of paternal obesity and is associated with the inheritance of metabolic dysfunction. Molecular Metabolism, 2022, 59, 101463.	6.5	40
2896	MTH5: An archive and exchangeable data format for magnetotelluric time series data. Computers and Geosciences, 2022, 162, 105102.	4.2	0
2897	Energy services' access deprivation in Mexico: A geographic, climatic and social perspective. Energy Policy, 2022, 164, 112822.	8.8	3
2898	Robust learning from corrupted EEG with dynamic spatial filtering. NeuroImage, 2022, 251, 118994.	4.2	14
2899	A system reliability approach to real-time unsupervised structural health monitoring without prior information. Mechanical Systems and Signal Processing, 2022, 171, 108913.	8.0	15
2900	Systematic analysis of constellation-based techniques by using Natural Language Processing. Technological Forecasting and Social Change, 2022, 179, 121674.	11.6	5
2901	Interference-sensitive coastal SAR altimetry retracking strategy for measuring significant wave height. Remote Sensing of Environment, 2022, 274, 112968.	11.0	5
2902	A FAIR-compliant parts catalogue for genome engineering and expression control in Saccharomyces cerevisiae. Synthetic and Systems Biotechnology, 2022, 7, 657-663.	3.7	4
2903	Framework for automated generation of real-time rate of penetration models. Journal of Petroleum Science and Engineering, 2022, 213, 110369.	4.2	2

#	Article	IF	Citations
2904	AutoDisk: Automated diffraction processing and strain mapping in 4D-STEM. Ultramicroscopy, 2022, 236, 113513.	1.9	5
2905	MiMeS: Misalignment mechanism solver. Computer Physics Communications, 2022, 275, 108311.	7.5	4
2906	GPU-accelerated solutions of the nonlinear Schrödinger equation for simulating 2D spinor BECs. Computer Physics Communications, 2022, 275, 108314.	7.5	2
2907	TSSEARCH: Time Series Subsequence Search Library. SoftwareX, 2022, 18, 101049.	2.6	21
2908	BELLO: A post-processing tool for the local-order analysis of disordered systems. Computational Materials Science, 2022, 209, 111381.	3.0	3
2909	The localization of plastic deformation in the precipitate free zone of an Al-Mg-Si-Mn alloy. Acta Materialia, 2022, 231, 117872.	7.9	30
2910	Efficient optimisation framework for convolutional neural networks with secure multiparty computation. Computers and Security, 2022, 117, 102679.	6.0	5
2911	ArtifactID: Identifying artifacts in low-field MRI of the brain using deep learning. Magnetic Resonance Imaging, 2022, 89, 42-48.	1.8	15
2912	Topological transition in a coupled dynamics in random networks. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127269.	2.6	1
2913	Multi-class skin lesion classification using prism- and segmentation-based fractal signatures. Expert Systems With Applications, 2022, 197, 116671.	7.6	12
2914	Heat capacity and thermodynamic properties of PbS: Optimization based on calorimetric and electrochemical data. Journal of Alloys and Compounds, 2022, 909, 164695.	5.5	1
2915	A fast method to develop an optimal operational sublevel stope design. Resources Policy, 2022, 77, 102670.	9.6	1
2916	Estimation of the time for steam generator trip due to cyber intrusions. Annals of Nuclear Energy, 2022, 173, 109108.	1.8	1
2917	Accurate structural descriptor enabled screening for nitrogen and oxygen vacancy codoped TiO2 with a large bandgap narrowing. Journal of Materials Science and Technology, 2022, 122, 84-90.	10.7	8
2918	Coarse-Grain Simulations of Membrane-Adsorbed Helical Peptides. Methods in Molecular Biology, 2022, 2405, 137-150.	0.9	0
2919	Acoustic PCD-Based AUV Perception for Enhanced Automated Garage Docking. , 2021, , .		1
2921	A Novel Method for Protein-Protein Interface Analysis Using Sonification. , 2021, , .		0
2922	Tensfa: Detecting and Repairing Tensor Shape Faults in Deep Learning Systems. , 2021, , .		5

#	Article	IF	Citations
2923	Robustness Certification for Point Cloud Models. , 2021, , .		8
2924	Towards Discrimination-Free Classification via Fairness-Aware Bagging. , 2021, , .		0
2925	Fusing multimodal neuroimaging data with a variational autoencoder. , 2021, 2021, 3630-3633.		6
2926	Quantifying Dataset Quality in Radio Frequency Machine Learning. , 2021, , .		1
2927	TrafficEKF: a Learning Based Traffic Aware Extended Kalman Filter. , 2021, , .		2
2928	Synthetic CO emission and the XCO factor of young molecular clouds: a convergence study. Monthly Notices of the Royal Astronomical Society, 2021, 510, 753-773.	4.4	8
2929	ACACIA: a new method to produce on-the-fly merger trees in the ramses code. Monthly Notices of the Royal Astronomical Society, 2021, 510, 959-979.	4.4	0
2930	Interleaved Data Processing Scheme for Optimizing Tensorflow Framework. , 2021, , .		0
2931	Wavelet Selection and Employment for Side-Channel Disassembly. , 2021, , .		2
2932	Emotion Recognition Based on DEAP Database Physiological Signals. , 2021, , .		6
2933	Dynamic Generation of Python Bindings for HPC Kernels. , 2021, , .		2
2934	Biobox: a toolbox for biomolecular modelling. Bioinformatics, 2022, 38, 1149-1151.	4.1	2
2935	Hyperlocal Covert Communication using FM Radio Waves. , 2021, , .		0
2936	Sentiment Analysis of Kaspi Product Reviews. , 2021, , .		1
2937	CONFIRMS: A Toolkit for Scalable, Black Box Connectome Assessment and Investigation. , 2021, 2021, 2444-2450.		3
2938	High-Performance Hybrid-Global-Deflated-Local Optimization with Applications to Active Learning. , 2021, , .		1
2939	Performance Evaluation and Statistical Data Analysis of a Call Center for the Deaf Community. , 2021, , .		2
2940	Python Data Analytics of Influence on Temperature and Humidity of City from Mountains: Case Study of Chengdu Qingcheng Mountains. , 2021, , .		0

#	Article	IF	Citations
2941	Predicting Severity in People with Aphasia: A Natural Language Processing and Machine Learning Approach. , 2021, 2021, 2299-2302.		6
2942	Exploring Lossy Compressibility through Statistical Correlations of Scientific Datasets. , 2021, , .		7
2943	Estimation of actual evapotranspiration using NASA-POWER data and Support Vector Machine. , 2021, , .		1
2944	Performance Evaluation of Python Parallel Programming Models: Charm4Py and mpi4py. , 2021, , .		5
2945	Optimizing High- Throughput Capabilities by Leveraging Reinforcement Learning Methods with the Bluesky Suite. , 2021, , .		1
2946	A Machine Learning Approach for Service Function Chain Embedding in Cloud Datacenter Networks. , 2021, , .		2
2947	Multiwavelength Spectral Analysis and Neural Network Classification of Counterparts to 4FGL Unassociated Sources. Astrophysical Journal, 2021, 923, 75.	4.5	11
2949	A new method to measure the spectra of transiting exoplanet atmospheres using multi-object spectroscopy. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3236-3265.	4.4	5
2952	Improved Parameterization of Phosphatidylinositide Lipid Headgroups for the Martini 3 Coarse-Grain Force Field. Journal of Chemical Theory and Computation, 2022, 18, 357-373.	5.3	24
2953	Machine learning prediction of antiviral-HPV protein interactions for anti-HPV pharmacotherapy. Scientific Reports, 2021, 11, 24367.	3.3	7
2954	Quantification of extreme thermal gradients during in situ transmission electron microscope heating experiments. Microscopy Research and Technique, 2022, 85, 1527-1537.	2.2	4
2955	Identify Light-curve Signals with Deep Learning Based Object Detection Algorithm. I. Transit Detection. Astronomical Journal, 2022, 163, 23.	4.7	5
2956	Tweezepy: A Python package for calibrating forces in single-molecule video-tracking experiments. PLoS ONE, 2021, 16, e0262028.	2.5	8
2957	Acoustic assessment of experimental reforestation in a Costa Rican rainforest. Ecological Indicators, 2021, 133, 108413.	6.3	9
2958	Comparison of the most likely low-emission electricity production systems in Estonia. PLoS ONE, 2021, 16, e0261780.	2.5	3
2960	The impact of r-process heating on the dynamics of neutron star merger accretion disc winds and their electromagnetic radiation. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2968-2979.	4.4	11
2961	Reverberation measurement set for the interrupted noise method. IOP Conference Series: Materials Science and Engineering, 2021, 1209, 012005.	0.6	0
2962	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. Astronomical Journal, 2021, 162, 302.	4.7	44

#	Article	IF	Citations
2963	Development and application of a modularized geometry optimizer for future supercritical CO_2 turbomachinery optimization. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 95-114.	3.1	2
2964	Membership Lists for 431 Open Clusters in Gaia DR2 Using Extreme Deconvolution Gaussian Mixture Models. Astrophysical Journal, 2021, 923, 129.	4.5	17
2966	<scp>CellSys</scp> : An open–source tool for building initial structures for bio–membranes and drug–delivery systems. Journal of Computational Chemistry, 2022, 43, 331-339.	3.3	1
2967	Predicting the Water Content of Interstellar Objects from Galactic Star Formation Histories. Astrophysical Journal Letters, 2022, 924, L1.	8.3	4
2968	SALT3: An Improved Type Ia Supernova Model for Measuring Cosmic Distances. Astrophysical Journal, 2021, 923, 265.	4.5	40
2969	SWIFT: A deep learning approach to prediction of hypoxemic events in critically-Ill patients using SpO2 waveform prediction. PLoS Computational Biology, 2021, 17, e1009712.	3.2	5
2970	pyKVFinder: an efficient and integrable Python package for biomolecular cavity detection and characterization in data science. BMC Bioinformatics, 2021, 22, 607.	2.6	11
2971	Kagoshima galactic object survey with the Nobeyama 45-metre telescope by mapping in ammonia lines (KAGONMA): star formation feedback on dense molecular gas in the W33 complex. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1106-1117.	4.4	7
2973	Stellar Surface Inhomogeneities as a Potential Source of the Atmospheric Signal Detected in the K2-18b Transmission Spectrum. Astronomical Journal, 2021, 162, 300.	4.7	22
2975	zELDA: fitting Lyman alpha line profiles using deep learning. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4525-4555.	4.4	12
2976	Stellar Spins in the Pleiades, Praesepe, and M35 Open Clusters. Astrophysical Journal, 2021, 923, 23.	4.5	12
2977	Performance evaluation of internal quality control rules, EWMA, CUSUM, and the novel machine learning model. Biyokimya Dergisi, 2021, 46, 661-670.	0.5	3
2978	Comparison of Different Signal Processing Methodologies and Their Impact on the Range of Acceleration Amplitudes Experienced by Preschool-Aged Children. Measurement in Physical Education and Exercise Science, 0, , 1-14.	1.8	0
2979	Fine scale prediction of ecological community composition using a two-step sequential Machine Learning ensemble. PLoS Computational Biology, 2021, 17, e1008906.	3.2	3
2980	On the Co-orbitation of Satellite Galaxies along the Great Plane of Andromeda: NGC 147, NGC 185, and Expectations from Cosmological Simulations. Astrophysical Journal, 2021, 923, 42.	4.5	11
2981	Automatic Indexing of Financial Documents via Information Extraction. , 2021, , .		1
2982	Analysis of Students' Concentration Levels for Online Learning Using Webcam Feeds. , 2021, , .		0
2983	Analyzing Software Security-related Size and its Relationship with Vulnerabilities in OSS. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2986	GO-E-MON: A New Online Platform for Decentralized Cognitive Science. Big Data and Cognitive Computing, 2021, 5, 76.	4.7	2
2987	Physical and Chemical Properties of Wolfâ€"Rayet Planetary Nebulae. Astrophysical Journal, Supplement Series, 2021, 257, 58.	7.7	8
2988	High Fidelity Modeling of Pulse Dynamics using Logic Networks. , 2021, , .		1
2989	Selection of Promising Novel Fragment Sized S. aureus SrtA Noncovalent Inhibitors Based on QSAR and Docking Modeling Studies. Molecules, 2021, 26, 7677.	3.8	6
2990	Weakly Bound H Dibaryon from SU(3)-Flavor-Symmetric QCD. Physical Review Letters, 2021, 127, 242003.	7.8	23
2991	Another Superdense Sub-Neptune in K2-182 b and Refined Mass Measurements for K2-199 b and c*. Astronomical Journal, 2021, 162, 294.	4.7	4
2992	Inference of electric currents in the solar photosphere. Astronomy and Astrophysics, 2021, 656, L20.	5.1	8
2993	Anomalous Hydrogen Recombination Line Ratios in Ultraluminous Infrared Galaxies. Astrophysical Journal, 2021, 922, 272.	4.5	2
2994	Coronal Magnetic Field Measurements along a Partially Erupting Filament in a Solar Flare. Astrophysical Journal, 2021, 923, 213.	4.5	9
2995	A Quantitative Review of Irrigation Development in the Yazooâ€"Mississippi Delta from 1991 to 2020. Agronomy, 2021, 11, 2548.	3.0	4
2996	Variety of fiber orientation tensors. Mathematics and Mechanics of Solids, 2022, 27, 1185-1211.	2.4	18
2997	Mass Transfer and Stellar Evolution of the White Dwarfs in AM CVn Binaries. Astrophysical Journal, 2021, 923, 125.	4.5	18
2999	Building Tools for Machine Learning and Artificial Intelligence in Cancer Research: Best Practices and a Case Study with the PathML Toolkit for Computational Pathology. Molecular Cancer Research, 2022, 20, 202-206.	3.4	24
3000	Limits to Ionization-parameter Mapping as a Diagnostic of Hii Region Optical Depth. Astrophysical Journal, 2021, 923, 78.	4.5	2
3001	Stellar Rotation of T Tauri Stars in the Orion Star-forming Complex. Astrophysical Journal, 2021, 923, 177.	4.5	17
3002	Radio continuum properties of OH megamaser galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2495-2508.	4.4	2
3003	Prediction of Cow Calving in Extensive Livestock Using a New Neck-Mounted Sensorized Wearable Device: A Pilot Study. Sensors, 2021, 21, 8060.	3.8	1
3004	Supernovae in colliding-wind binaries: observational signatures in the first year. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3276-3290.	4.4	2

#	Article	IF	Citations
3005	Structural Insight into Complexation Ability and Coordination of Uranyl Nitrate by 1,10-Phenanthroline-2,9-diamides. Inorganic Chemistry, 2022, 61, 384-398.	4.0	19
3006	Big Three Dragons: A [N ii] 122 μm Constraint and New Dust-continuum Detection of a z = 7.15 Bright Lyman-break Galaxy with ALMA. Astrophysical Journal, 2021, 923, 5.	4.5	18
3008	Origin of the Stokes–Einstein deviation in liquid Al–Si. Molecular Simulation, 2022, 48, 303-313.	2.0	1
3009	Quantification of STEM Images in High Resolution SEM for Segmented and Pixelated Detectors. Nanomaterials, 2022, 12, 71.	4.1	0
3010	Muons as a tool for background rejection in imaging atmospheric Cherenkov telescope arrays. European Physical Journal C, 2021, 81, 1.	3.9	5
3012	Detecting low-mass haloes with strong gravitational lensing I: the effect of data quality and lensing configuration. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2480-2494.	4.4	15
3013	Realistic retinal modeling unravels the differential role of excitation and inhibition to starburst amacrine cells in direction selectivity. PLoS Computational Biology, 2021, 17, e1009754.	3.2	6
3014	End-to-End Performance Optimization for Training Streaming Convolutional Neural Networks using Billion-Pixel Whole-Slide Images. , 2021, , .		2
3015	Correlational Approach to Predict the Enthalpy of Mixing for Chloride Melt Systems. ACS Omega, 2022, 7, 362-371.	3.5	11
3017	Distinct heterochromatin–like domains promote transcriptional memory and silence parasitic genetic elements in bacteria. EMBO Journal, 2022, 41, e108708.	7.8	9
3018	The Deepest Chandra View of RBS 797: Evidence for Two Pairs of Equidistant X-ray Cavities. Astrophysical Journal Letters, 2021, 923, L25.	8.3	15
3019	No Pulsar Companion Around the Nearest Low Mass White Dwarf. Research Notes of the AAS, 2021, 5, 279.	0.7	0
3021	Efficient ancestry and mutation simulation with msprime 1.0. Genetics, 2022, 220, .	2.9	133
3022	Computational psychrometric analysis as a control problem: case of cooling and dehumidification systems. Journal of Building Performance Simulation, 2022, 15, 21-38.	2.0	1
3024	Has the Internet Saved the Economy? Modeling Impact of ICT Sector and COVID-19 on GDP. , 2021, 4, 61-67.		0
3025	A comprehensive search for the radio counterpart of GW190814 with the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3794-3805.	4.4	14
3026	Characterizing Sparse Asteroid Light Curves with Gaussian Processes. Astronomical Journal, 2022, 163, 29.	4.7	2
3027	Test Script Generation Based on Hidden Markov Models Learning From User Browsing Behaviors. , 2021, , .		5

#	Article	IF	Citations
3028	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. Astronomical Journal, 2021, 162, 303.	4.7	46
3029	Feasibility of artificial intelligence–supported assessment of bone marrow infiltration using dual-energy computed tomography in patients with evidence of monoclonal protein – a retrospective observational study. European Radiology, 2022, 32, 2901-2911.	4.5	10
3030	Evaluation of a Deep Learning Algorithm for Automated Spleen Segmentation in Patients with Conditions Directly or Indirectly Affecting the Spleen. Tomography, 2021, 7, 950-960.	1.8	5
3031	Probing the Putative Role of K_{ATP} Channels and Biological Variability in a Mathematical Model of Chondrocyte Electrophysiology. Bioelectricity, 2021, 3, 272-281.	1.1	0
3032	Galactic geology: Probing time-varying dark matter signals with paleodetectors. Physical Review D, 2021, 104, .	4.7	5
3034	The Robustness of Synthetic Observations in Producing Observed Core Properties: Predictions for the TolTEC Clouds to Cores Legacy Survey. Astrophysical Journal, 2021, 923, 25.	4.5	2
3035	tvopt: A Python Framework for Time-Varying Optimization. , 2021, , .		1
3036	The MAVERIC Survey: The first radio and X-ray limits on the detached black holes in NGCÂ3201. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3658-3673.	4.4	2
3038	Spatial Variation in Temperature and Density in the IC 63 PDR from H_2 Spectroscopy. Astrophysical Journal, 2021, 923, 107.	4.5	3
3039	Nitrogen restricts future sub-arctic treeline advance in an individual-based dynamic vegetation model. Biogeosciences, 2021, 18, 6329-6347.	3.3	6
3040	Chemo-dynamics and asteroseismic ages of seven metal-poor red giants from the Kepler field. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1733-1747.	4.4	4
3041	Assessment of the effect of a comprehensive chest radiograph deep learning model on radiologist reports and patient outcomes: a real-world observational study. BMJ Open, 2021, 11, e052902.	1.9	19
3042	Mysterious Dust-emitting Object Orbiting TIC 400799224. Astronomical Journal, 2021, 162, 299.	4.7	6
3043	A multibranch, multitarget neural network for rapid point-source inversion in a microseismic environment: examples from the Hengill Geothermal Field, Iceland. Geophysical Journal International, 2022, 229, 999-1016.	2.4	8
3044	Supramammillary regulation of locomotion and hippocampal activity. Science, 2021, 374, 1492-1496.	12.6	29
3045	Searching for Diamagnetic Blob Accretion in the 74 day K2 Observation of V2400 Ophiuchi. Astronomical Journal, 2022, 163, 4.	4.7	1
3047	A Multi-Analytical Approach for Studying the Effect of New LED Lighting Systems on Modern Paints: Chemical Stability Investigations. Polymers, 2021, 13, 4441.	4.5	0
3048	Autonomous Vehicle Path Planning using Q-Learning. Journal of Physics: Conference Series, 2021, 2128, 012018.	0.4	1

#	Article	IF	Citations
3049	Multiphase Outflows in High-redshift Quasar Host Galaxies. Astrophysical Journal, 2021, 923, 59.	4.5	12
3050	An assessment of the mutational load caused by various reactions used in DNA encoded libraries. Bioorganic and Medicinal Chemistry, 2021, 52, 116508.	3.0	13
3051	Highly Efficient and Accurate Gas-Alkane Binary Mixture Interfacial Tension Equations for a Broad Range of Temperatures, Pressures, and Compositions. SPE Journal, 2022, 27, 895-913.	3.1	3
3052	A Monte Carlo study of different LET definitions and calculation parameters for proton beam therapy. Biomedical Physics and Engineering Express, 2022, 8, 015024.	1.2	7
3053	Stable and compact RF-to-optical link using lithium niobate on insulator waveguides. APL Photonics, 2021, 6, 121303.	5.7	4
3054	Fluorescence of pyrene-doped polystyrene films from room temperature down to 4 K for wavelength-shifting applications. Journal of Instrumentation, 2021, 16, P12029.	1.2	2
3055	Unequal-mass mergers of dark matter haloes with rare and frequent self-interactions. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4080-4099.	4.4	9
3056	Coagulation Instability in Protoplanetary Disks: A Novel Mechanism Connecting Collisional Growth and Hydrodynamical Clumping of Dust Particles. Astrophysical Journal, 2021, 923, 34.	4.5	15
3057	The Shellless Supernova Remnant B0532â€"67.5 in the Large Magellanic Cloud. Astronomical Journal, 2022, 163, 30.	4.7	1
3058	Polyphosphate drives bacterial heterochromatin formation. Science Advances, 2021, 7, eabk0233.	10.3	27
3060	Perfect Density Models Cannot Guarantee Anomaly Detection. Entropy, 2021, 23, 1690.	2.2	6
3062	Hypercubes of AGN Tori (HYPERCAT). II. Resolving the Torus with Extremely Large Telescopes. Astrophysical Journal, 2021, 923, 127.	4.5	5
3063	OmicsOne: associate omics data with phenotypes in one-click. Clinical Proteomics, 2021, 18, 29.	2.1	2
3064	Long-wave equation for a confined ferrofluid interface: periodic interfacial waves as dissipative solitons. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	3
3065	Diving Beneath the Sea of Stellar Activity: Chromatic Radial Velocities of the Young AU Mic Planetary System. Astronomical Journal, 2021, 162, 295.	4.7	39
3067	Photochromism of UV-annealed Fe-doped SrTiO3. Applied Physics Letters, 2021, 119, .	3.3	2
3068	A Non-Iterative Method Combined with Neural Network Embedded in Physical Model to Solve the Imaging of Electromagnetic Inverse Scattering Problem. Electronics (Switzerland), 2021, 10, 3104.	3.1	2
3069	Milky Wayâ€"like Gas Excitation in an Ultrabright Submillimeter Galaxy at z = 1.6. Astrophysical Journal Letters, 2021, 923, L27.	8.3	0

#	Article	IF	Citations
3070	Gradient boosting machines fusion for automatic epilepsy detection from EEG signals based on wavelet features. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 9591-9607.	3.9	4
3071	Tensorâ€CA: A highâ€performance cellular automata model for land use simulation based on vectorization and GPU. Transactions in GIS, 2022, 26, 755-778.	2.3	3
3072	Using a Digital Twin of an Electrical Stimulation Device to Monitor and Control the Electrical Stimulation of Cells in vitro. Frontiers in Bioengineering and Biotechnology, 2021, 9, 765516.	4.1	16
3073	Dual UMIs and Dual Barcodes With Minimal PCR Amplification Removes Artifacts and Acquires Accurate Antibody Repertoire. Frontiers in Immunology, 2021, 12, 778298.	4.8	2
3075	Equation-of-state Dependence of Gravitational Waves in Core-collapse Supernovae. Astrophysical Journal, 2021, 923, 201.	4.5	21
3076	Non-ideal magnetohydrodynamic simulations of subcritical pre-stellar cores with non-equilibrium chemistry. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4420-4435.	4.4	6
3077	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGOâ€"Virgoâ€™s Third Observing Run. Astrophysical Journal, 2021, 923, 14.	4.5	59
3078	Reconstruction of pairwise interactions using energy-based models*. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 124007.	2.3	1
3079	Assessment of Globularity of Protein Structures via Minimum Volume Ellipsoids and Voxel-Based Atom Representation. Crystals, 2021, 11, 1539.	2.2	3
3080	The EDGE-CALIFA Survey: The Resolved Star Formation Efficiency and Local Physical Conditions. Astrophysical Journal, 2021, 923, 60.	4.5	6
3082	HST/WFC3 Complete Phase-resolved Spectroscopy of White-dwarf-brown-dwarf Binaries WD 0137 and EPIC 2122. Astronomical Journal, 2022, 163, 17.	4.7	8
3083	Grouped star formation: converting sink particles to stars in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2657-2670.	4.4	7
3084	The MAVERIC Survey: Variable Jet-accretion Coupling in Luminous Accreting Neutron Stars in Galactic Globular Clusters. Astrophysical Journal, 2021, 923, 88.	4.5	9
3086	HydroPy (v1.0): a new global hydrology model written in Python. Geoscientific Model Development, 2021, 14, 7795-7816.	3.6	8
3087	ALMA-IMF. Astronomy and Astrophysics, 2022, 662, A9.	5.1	11
3088	Teaching Python for Data Science: Collaborative development of a modular interactive curriculum. The Journal of Open Source Education, 2021, 4, 138.	0.4	4
3089	Updates to LUCI: A New Fitting Paradigm Using Mixture Density Networks. Research Notes of the AAS, 2021, 5, 276.	0.7	1
3092	Friction magazine: The upcycling of manufacture for structural design. International Journal of Space Structures, 2021, 36, 281-293.	1.0	1

#	ARTICLE	IF	CITATIONS
3093	iCRISEE: an integrative analysis of CRISPR screen by reducing false positive hits. Briefings in Bioinformatics, 2022, 23, .	6.5	1
3094	AutoGeoLabel: Automated Label Generation for Geospatial Machine Learning. , 2021, , .		5
3095	<i>phenopype</i>: A phenotyping pipeline for Python. Methods in Ecology and Evolution, 2022, 13, 569-576.	5.2	8
3096	Carnegie Supernova Project: kinky <i>i</i>-band light curves of Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4929-4942.	4.4	2
3097	Nonequilibrium self-assembly of multiple stored targets in a dimer-based system. Journal of Chemical Physics, 2021, 155, 234113.	3.0	3
3098	A New Stellar Companion to TYC 5493-889-1. Research Notes of the AAS, 2021, 5, 280.	0.7	0
3099	Adaptive Stretch-Forming Process: A Computer Vision and Statistical Analysis Approach. Machines, 2021, 9, 357.	2.2	3
3100	Local Environments of Low-redshift Supernovae. Astrophysical Journal, 2021, 923, 86.	4.5	5
3101	SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2). Astrophysical Journal, 2021, 923, 167.	4.5	10
3102	Mapping the Pressure-dependent Day–Night Temperature Contrast of a Strongly Irradiated Atmosphere with HST Spectroscopic Phase Curve. Astronomical Journal, 2022, 163, 8.	4.7	4
3104	Long-Wavelength Instabilities Impact Alignment during Blade Coating of a Stretchable Organic Transistor Blend. ACS Applied Materials & Interfaces, 2022, 14, 1537-1545.	8.0	2
3105	Continuum limit of baryon-baryon scattering with SU(3) flavor symmetry. , 2022, , .		2
3106	The Galaxy Progenitors of Stellar Streams around Milky Way–mass Galaxies in the FIRE Cosmological Simulations. Astrophysical Journal, 2021, 920, 10.	4.5	20
3107	The Mass of the Milky Way from the H3 Survey. Astrophysical Journal, 2022, 925, 1.	4.5	18
3108	No Umbrella Needed: Confronting the Hypothesis of Iron Rain on WASP-76b with Post-processed General Circulation Models. Astrophysical Journal, 2022, 926, 85.	4.5	22
3109	Farklı Öznitelik Tanımlayıcı Yöntemlerini EvriÅŸimsel Sinir AÄŸlarÄ± ile Kullanarak YÃ¼z Ä°fadesinden Duygu Tespiti. , 2021, 4, 14-17.		1
3110	Parallel Population-Based Simulated Annealing for High-Dimensional Black-Box Optimization. , 2021, , .		0
3111	Utilizing Location-based Social Networking to Suggest Travel Paths and Places of Interest. , 2021, , .		0

#	Article	IF	Citations
3112	From Genotypes to Phenotypes: A Plant Perspective on Current Developments in Data Management and Data Publication. , 2022, , 11-43.		2
3113	Automatic optimization of temporal monitoring schemes dealing with daily water contaminant concentration patterns. Environmental Science: Water Research and Technology, 2022, 8, 2099-2113.	2.4	0
3114	Inclusion of social determinants of health improves sepsis readmission prediction models. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1263-1270.	4.4	9
3115	Where are the magnetar binary companions? Candidates from a comparison with binary population synthesis predictions. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3550-3563.	4.4	8
3116	Phylovar: toward scalable phylogeny-aware inference of single-nucleotide variations from single-cell DNA sequencing data. Bioinformatics, 2022, 38, i195-i202.	4.1	4
3117	Matching electron transport layers with a non-halogenated and low synthetic complexity polymer:fullerene blend for efficient outdoor and indoor organic photovoltaics. Journal of Materials Chemistry A, 2022, 10, 10768-10779.	10.3	9
3118	D3PG: Dirichlet DDPG for Task Partitioning and Offloading With Constrained Hybrid Action Space in Mobile-Edge Computing. IEEE Internet of Things Journal, 2022, 9, 19260-19272.	8.7	15
3119	DECODE: a computational pipeline to discover T cell receptor binding rules. Bioinformatics, 2022, 38, i246-i254.	4.1	4
3120	TeachOpenCADD 2022: open source and FAIR Python pipelines to assist in structural bioinformatics and cheminformatics research. Nucleic Acids Research, 2022, 50, W753-W760.	14.5	6
3121	Universal non-Debye low-frequency vibrations in sheared amorphous solids. Soft Matter, 2022, 18, 3395-3402.	2.7	8
3122	Martini 3 coarse-grained force field for poly(*para*-phenylene ethynylene)s. Physical Chemistry Chemical Physics, 2022, 24, 9998-10010.	2.8	7
3124	An Eddington ratio-driven origin for the LX – M* relation in quiescent and star-forming active galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1185-1195.	4.4	3
3125	A Census of Thermally Pulsing AGB Stars in the Andromeda Galaxy and a First Estimate of Their Contribution to the Global Dust Budget. Astrophysical Journal, Supplement Series, 2022, 259, 41.	7.7	6
3126	A multi-encoder variational autoencoder controls multiple transformational features in single-cell image analysis. Communications Biology, 2022, 5, 255.	4.4	20
3127	ELEKTRÄºK GÃœÃ‡ SÄºSTEMLERÄºNDE GÃœÃ‡ AKIÅžI ANALÄºZÄº VE BÄºR EÅžÄºTÄºM ARACININ GELÄºÅžTÄºRÄºLMESÄº. MÃ¼hendisl TasarÄ±m Dergisi, 2022, 10, 257-271.	0.3	0
3128	Reusable respirators as personal protective equipment in clinical practice. Wiener Klinische Wochenschrift, 2022, , .	1.9	1
3129	Improving INTEGRAL/SPI data analysis of GRBs. Astronomy and Astrophysics, 2022, 663, A102.	5.1	1
3130	Discrimination of wheel-thrown pottery surface treatment by Deep Learning. Archaeological and Anthropological Sciences, 2022, 14, 1.	1.8	1

#	Article	IF	Citations
3131	Confirmation of the Long-period Planet Orbiting Gliese 411 and the Detection of a New Planet Candidate. Astronomical Journal, 2022, 163, 218.	4.7	2
3132	Symptoms associated with aÂCOVID-19 infection among aÂnon-hospitalized cohort in Vienna. Wiener Klinische Wochenschrift, 2022, 134, 344-350.	1.9	6
3133	RNA folding using quantum computers. PLoS Computational Biology, 2022, 18, e1010032.	3.2	10
3134	Bayesian Inference in Single-line Spectroscopic Binaries with a Visual Orbit. Astronomical Journal, 2022, 163, 220.	4.7	8
3136	Ninety-seven Eclipsing Quadruple Star Candidates Discovered in TESS Full-frame Images. Astrophysical Journal, Supplement Series, 2022, 259, 66.	7.7	16
3137	Inelastic Spin-Wave Beam Scattering by Edge-Localized Spin Waves in a Ferromagnetic Thin Film. Physical Review Applied, 2022, 17, .	3.8	3
3138	Machine learning algorithm for minute-long burst searches. Physical Review D, 2022, 105, .	4.7	7
3139	Optimal transport technique to understand peptide conformations. Computational Biology and Chemistry, 2022, 98, 107684.	2.3	0
3140	Scalable Post-Processing of Large-Scale Numerical Simulations of Turbulent Fluid Flows. Symmetry, 2022, 14, 823.	2.2	2
3141	Theoretical and Observational Evidence for Coriolis Effects in Coronal Magnetic Fields via Direct Current Driven Flaring Events. Astrophysical Journal, 2022, 929, 54.	4.5	3
3142	DEIMoS: An Open-Source Tool for Processing High-Dimensional Mass Spectrometry Data. Analytical Chemistry, 2022, 94, 6130-6138.	6.5	14
3143	Mechanical feedback defines organizing centers to drive digit emergence. Developmental Cell, 2022, 57, 854-866.e6.	7.0	27
3144	A standard siren cosmological measurement from the potential GW190521 electromagnetic counterpart ZTF19abanrhr. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2152-2157.	4.4	14
3145	Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution. Astrophysical Journal, 2022, 929, 61.	4.5	4
3146	DeepVaR: a framework for portfolio risk assessment leveraging probabilistic deep neural networks. Digital Finance, 2023, 5, 29-56.	1.7	5
3147	Multiwavelength Mitigation of Stellar Activity in Astrometric Planet Detection. Astronomical Journal, 2022, 163, 205.	4.7	4
3148	Cool circumgalactic gas in galaxy clusters: connecting the DESI legacy imaging survey and SDSS DR16 Mgâ€‰<scp>ii</scp> absorbers. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3210-3227.	4.4	9
3149	ALMA Measures Molecular Gas Reservoirs Comparable to Field Galaxies in a Low-mass Galaxy Cluster at z = 1.3. Astrophysical Journal, 2022, 929, 35.	4.5	6

#	Article	IF	Citations
3150	A Comparative Analysis to Deal with Missing Spectral Information Caused by RFI in Cosmological H i 21 cm Observations. Astrophysical Journal, 2022, 929, 104.	4.5	3
3151	OSASUD: A dataset of stroke unit recordings for the detection of Obstructive Sleep Apnea Syndrome. Scientific Data, 2022, 9, 177.	5.3	9
3153	COSMOS2020: Ubiquitous AGN Activity of Massive Quiescent Galaxies at 0 < z < 5 Revealed by X-Ray and Radio Stacking. Astrophysical Journal, 2022, 929, 53.	4.5	12
3154	Superconducting Phases in Neutron Star Cores. Universe, 2022, 8, 228.	2.5	11
3155	Revisiting BD-06 1339b: A Likely False Positive Caused by Stellar Activity. Astronomical Journal, 2022, 163, 215.	4.7	7
3156	Meeting in the Middle: Towards Successful Multidisciplinary Bioimage Analysis Collaboration. Frontiers in Bioinformatics, 2022, 2, .	2.1	3
3158	Embracing New Techniques in Deep Learning for Estimating Image Memorability. Computational Brain & Behavior, 2022, 5, 168-184.	1.7	20
3159	Dynamics of CTCF- and cohesin-mediated chromatin looping revealed by live-cell imaging. Science, 2022, 376, 496-501.	12.6	190
3160	Genotypic confirmation of a biased phenotypic sex ratio in a dryland moss using restriction fragment length polymorphisms. Applications in Plant Sciences, 2022, 10, e11467.	2.1	5
3161	Benchmarking of deep learning algorithms for 3D instance segmentation of confocal image datasets. PLoS Computational Biology, 2022, 18, e1009879.	3.2	10
3162	CGC: a Scalable Python Package for Co- and Tri-Clustering of Geodata Cubes. Journal of Open Source Software, 2022, 7, 4032.	4.6	0
3163	Plug Disintegration in GRB Jet Eruption. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
3164	Narrowing the gap between combinatorial and hyperbolic knot invariants via deep learning. Journal of Knot Theory and Its Ramifications, 2022, 31, .	0.3	0
3165	AIDrugApp: artificial intelligence-based Web-App for virtual screening of inhibitors against SARS-COV-2. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 395-443.	2.8	1
3166	Connecting Low- and High-redshift Weak Emission-line Quasars via Hubble Space Telescope Spectroscopy of LyÎ± Emission. Astrophysical Journal, 2022, 929, 78.	4.5	5
3167	Petrophysics of Chicxulub impact craterâ€™s peak ring. Journal of Geophysical Research: Solid Earth, 0, , .	3.4	0
3168	Bayesian Solar Wind Modeling with Pulsar Timing Arrays. Astrophysical Journal, 2022, 929, 39.	4.5	8
3169	Detailed analysis of antibody responses to SARS-CoV-2 vaccination and infection in macaques. PLoS Pathogens, 2022, 18, e1010155.	4.7	6

#	Article	IF	Citations
3170	The Primary Proton Spectrum of the Hadronic PeVatron Candidate HAWC J1825-134. Astrophysical Journal, 2022, 929, 25.	4.5	0
3171	Modeling the evolution of SARS-CoV-2 under non-pharmaceutical interventions and testing. Evolution, Medicine and Public Health, 2022, 10, 179-188.	2.5	7
3172	MAPPRAISER: A massively parallel map-making framework for multi-kilo pixel CMB experiments. Astronomy and Computing, 2022, 39, 100576.	1.7	0
3173	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. Astronomical Journal, 2022, 163, 209.	4.7	2
3174	Supervised Graph Convolution Networks for OSNR andpower estimation in optical mesh networks. Journal of Optical Communications and Networking, 0, , .	4.8	1
3175	Dislocation avalanches are like earthquakes on the micron scale. Nature Communications, 2022, 13, 1975.	12.8	34
3176	Metallicity, Ionization Parameter, and Pressure Variations of H ii Regions in the TYPHOON Spiral Galaxies: NGC 1566, NGC 2835, NGC 3521, NGC 5068, NGC 5236, and NGC 7793. Astrophysical Journal, 2022, 929, 118.	4.5	15
3178	The benefits of CMB delensing. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 020.	5.4	20
3179	A New Infrared Criterion for Selecting Active Galactic Nuclei to Lower Luminosities. Astronomical Journal, 2022, 163, 224.	4.7	12
3180	Photon Ring Symmetries in Simulated Linear Polarization Images of Messier 87*. Astrophysical Journal, 2022, 929, 49.	4.5	12
3182	The VANDELS survey: a measurement of the average Lyman-continuum escape fraction of star-forming galaxies at z = 3.5. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3510-3525.	4.4	17
3183	K2 and $Spitzer$ phase curves of the rocky ultra-short-period planet K2-141 b hint at a tenuous rock vapor atmosphere. Astronomy and Astrophysics, 2022, 664, A79.	5.1	26
3184	The northern cross fast radio burst project â€" II. Monitoring of repeating FRB 20180916B, 20181030A, 20200120E, and 20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1858-1866.	4.4	4
3186	Synthesis and Effect of Conformationally Locked Carbocyclic Guanine Nucleotides on Dynamin. Biomolecules, 2022, 12, 584.	4.0	0
3187	Surface Brightness Profile of Lyman-Î± Halos out to 320 kpc in HETDEX. Astrophysical Journal, 2022, 929, 90.	4.5	15
3188	Kinematics and Feedback in H ii Regions in the Dwarf Starburst Galaxy IC 10. Astrophysical Journal, 2022, 929, 74.	4.5	1
3189	A bioinformatic pipeline for simulating viral integration data. Data in Brief, 2022, 42, 108161.	1.0	1
3190	A Bayesian framework to assess and create risk maps of groundwater flooding. Journal of Hydrology, 2022, 610, 127797.	5.4	7

#	Article	IF	Citations
3191	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. II. The Transit Radiative Transfer Module and Retrieval of HAT-P-11b. Planetary Science Journal, 2022, 3, 81.	3.6	12
3192	Making the most of data: Quantum Monte Carlo postanalysis revisited. Physical Review E, 2022, 105, 045313.	2.1	1
3193	TMM-Fast, a transfer matrix computation package for multilayer thin-film optimization: tutorial. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 1007.	1.5	23
3196	An Advanced Discrete Fracture Methodology for Fast, Robust, and Accurate Simulation of Energy Production From Complex Fracture Networks. Water Resources Research, 2022, 58, .	4.2	9
3197	Setigen: Simulating Radio Technosignatures for the Search for Extraterrestrial Intelligence. Astronomical Journal, 2022, 163, 222.	4.7	5
3199	The SNâ€‰Ia runaway LPâ€‰398-9: detection of circumstellar material and surface rotation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 6122-6133.	4.4	4
3200	Planet Patrol: Vetting Transiting Exoplanet Candidates with Citizen Science. Publications of the Astronomical Society of the Pacific, 2022, 134, 044401.	3.1	2
3202	Spitzer Dayside Emission of WASP-34b. Planetary Science Journal, 2022, 3, 86.	3.6	0
3204	Fuzzy Information Discrimination Measures and Their Application to Low Dimensional Embedding Construction in the UMAP Algorithm. Journal of Imaging, 2022, 8, 113.	3.0	7
3205	BRGraph: An efficient graph neural network training system by reusing batch data on GPU. Concurrency Computation Practice and Experience, 0, , .	2.2	0
3206	Evaluation of Feature Selection Methods for Classification of Epileptic Seizure EEG Signals. Sensors, 2022, 22, 3066.	3.8	19
3207	GSTools v1.3: a toolbox for geostatistical modelling in Python. Geoscientific Model Development, 2022, 15, 3161-3182.	3.6	49
3208	Hardware-Control: Instrument control and automation package. Journal of Open Source Software, 2022, 7, 2688.	4.6	1
3209	Which Galaxy Property is the Best Gauge of the Oxygen Abundance?. Astrophysical Journal, 2022, 929, 47.	4.5	9
3210	HyperPCA: A powerful tool to extract elemental maps from noisy data obtained in LIBS mapping of materials. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 192, 106418.	2.9	7
3211	Comparative study of supervised algorithms for topology detection of sensor networks in building energy systems. Automation in Construction, 2022, 138, 104248.	9.8	2
3217	<scp>TUPÃƒ</scp>: Electric field analyses for molecular simulations. Journal of Computational Chemistry, 2022, 43, 1113-1119.	3.3	9
3218	Breaking with the Principles of Coreduction to Form Stoichiometric Intermetallic PdCu Nanoparticles. Small Methods, 2022, 6, e2200420.	8.6	5

#	Article	IF	Citations
3219	Data-Driven Sequential Uptake Pattern Discovery for Family Planning Studies.. AMIA ... Annual Symposium proceedings, 2021, 2021, 324-333.	0.2	0
3220	The DeepHealth Toolkit: A Key European Free and Open-Source Software for Deep Learning and Computer Vision Ready to Exploit Heterogeneous HPC and Cloud Architectures. , 2022, , 183-202.		1
3221	The importance of the way in which supernova energy is distributed around young stellar populations in simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 249-264.	4.4	12
3223	Chromosome Feature Extraction and Ideogram-Powered Chromosome Categorization. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 427-436.	0.7	1
3225	Examining the Impacts of Land Use on Air Quality in Chicago: Application of Street View Imagery and Urban Climate Sensors. SSRN Electronic Journal, 0, , .	0.4	0
3226	Machine Learning-driven Protein Library Design: A Path Toward Smarter Libraries. Methods in Molecular Biology, 2022, 2491, 87-104.	0.9	4
3227	Deep Residual Weight-Sharing Attention Network With Low-Rank Attention for Visual Question Answering. IEEE Transactions on Multimedia, 2023, 25, 4282-4295.	7.2	5
3228	A Quantum-Inspired Classifier for Early Web Bot Detection. IEEE Transactions on Information Forensics and Security, 2022, 17, 1684-1697.	6.9	2
3229	Investigation of a method to estimate the culm length of rice based on aerial images using an unmanned aerial vehicle (UAV) equipped with a high-precision positioning system. Ikushugaku Kenkyu, 2022, , .	0.3	1
3230	Towards data-driven filters in Paraview. Journal of Flow Visualization and Image Processing, 2022, , .	0.5	1
3231	An Interactive Interpreter for Two Dimensional Lucid. IEEE Access, 2022, 10, 50651-50661.	4.2	0
3232	Searching for flaring starâ€"planet interactions in AU Mic <i>TESS</i> observations. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4579-4586.	4.4	6
3233	An investigation of the magnetic activity of HD 134319 based on <i>TESS</i> photometry and ground-based spectroscopy. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2958-2973.	4.4	0
3235	Predicting reaction conditions from limited data through active transfer learning. Chemical Science, 2022, 13, 6655-6668.	7.4	21
3236	Port-Hamiltonian Based Control of Water Distribution Networks. SSRN Electronic Journal, 0, , .	0.4	0
3237	PSNet: Fast Data Structuring for Hierarchical Deep Learning on Point Cloud. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6835-6849.	8.3	9
3238	Optical variability of quasars with 20-yr photometric light curves. Monthly Notices of the Royal Astronomical Society, 2022, 514, 164-184.	4.4	24
3239	Single-particle mobility edge without disorder. Physical Review B, 2022, 105, .	3.2	12

#	Article	IF	Citations
3242	Optimizing interneuron circuits for compartment-specific feedback inhibition. PLoS Computational Biology, 2022, 18, e1009933.	3.2	6
3243	Disc cloaking: Establishing a lower limit to the number density of local compact massive spheroids/bulges and the potential fate of some high-z red nuggets. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3410-3451.	4.4	8
3245	Efficient Hyperchaotic Image Encryption Algorithm Based on a Fast Key Generation Method and Simultaneous Permutation-Diffusion Structure. Security and Communication Networks, 2022, 2022, 1-20.	1.5	1
3246	On the characterization of tidal ocean-dynamo signals in coastal magnetic observatories. Earth, Planets and Space, 2022, 74, .	2.5	3
3247	yadg: yet another datagram. Journal of Open Source Software, 2022, 7, 4166.	4.6	0
3248	Signatures of the Many Supermassive Black Hole Mergers in a Cosmologically Forming Massive Early-type Galaxy. Astrophysical Journal, 2022, 929, 167.	4.5	13
3249	A classification and review of tools for developing and interacting with machine learning systems. , 2022, , .		3
3250	Search for binary black hole mergers in the third observing run of Advanced LIGO-Virgo using coherent WaveBurst enhanced with machine learning. Physical Review D, 2022, 105, .	4.7	9
3251	Optimal perturbations and transition in the magnetohydrodynamic boundary layer under the influence of a spanwise magnetic field. Physics of Fluids, 0, , .	4.0	0
3252	99 oscillating red-giant stars in binary systems with NASA TESS and NASA $Kepler$ identified from the SB9-Catalogue. Astronomy and Astrophysics, 2022, 667, A31.	5.1	6
3253	Convolutional neural network and long short-term memory models for ice-jam predictions. Cryosphere, 2022, 16, 1447-1468.	3.9	10
3254	Deterministic Lateral Displacement (DLD) Analysis Tool Utilizing Machine Learning towards High-Throughput Separation. Micromachines, 2022, 13, 661.	2.9	6
3255	Top-of-line corrosion via physics-guided machine learning: A methodology integrating field data with theoretical models. Journal of Petroleum Science and Engineering, 2022, 215, 110558.	4.2	3
3257	Host galaxies of ultrastrong Mg ii absorbers at z ∼ 0.5. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3836-3857.	4.4	4
3258	GelSight Fin Ray: Incorporating Tactile Sensing into a Soft Compliant Robotic Gripper. , 2022, , .		16
3260	Methylartist: tools for visualizing modified bases from nanopore sequence data. Bioinformatics, 2022, 38, 3109-3112.	4.1	25
3261	Investigating students' views of experimental physics in German laboratory classes. Physical Review Physics Education Research, 2022, 18, .	2.9	6
3262	Zwicky Transient Facility and Globular Clusters: The RR Lyrae gri-band Period–Luminosity–Metallicity and Period–Wesenheit–Metallicity Relations. Astronomical Journal, 2022, 163, 239.	4.7	7

#	ARTICLE	IF	CITATIONS
3263	Minimally Invasive Cochlear Implantation: First-in-Man of Patient-Specific Positioning Jigs. Frontiers in Neurology, 2022, 13, 829478.	2.4	5
3264	CHIPS: Complete History of Interaction-powered Supernovae. Astrophysical Journal, 2022, 929, 177.	4.5	8
3265	Trading Accuracy for Enjoyment? Data Quality and Player Experience in Data Collection Games. , 2022, , .		1
3266	Double-layer geodesic and gradient-index lenses. Nature Communications, 2022, 13, 2354.	12.8	24
3267	A Highly Settled Disk around Oph163131. Astrophysical Journal, 2022, 930, 11.	4.5	52
3268	Estimating transient rates from cosmological simulations and BPASS. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1315-1334.	4.4	25
3269	Shot-by-shot 250ÂkHz 3D ion and MHz photoelectron imaging using Timepix3. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 144001.	1.5	7
3270	Neural conditional reweighting. Physical Review D, 2022, 105, .	4.7	4
3271	The Nascent Milliquasar VT J154843.06+220812.6: Tidal Disruption Event or Extreme Accretion State Change?. Astrophysical Journal, 2022, 929, 184.	4.5	5
3272	Cosmology with the kinetic Sunyaevâ€"Zeldovich effect: Independent of the optical depth and σ_8. Astronomy and Astrophysics, 2022, 660, A113.	5.1	7
3273	Optimal Data-Generation Strategy for Machine Learning Yield Functions in Anisotropic Plasticity. Frontiers in Materials, 2022, 9, .	2.4	6
3274	Reconciling the results of the z â˜¼ 2 MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	4.4	5
3275	Deciphering the Lyman-α emission line: towards the understanding of galactic properties extracted from Lyα spectra via radiative transfer modelling. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5034-5051.	4.4	8
3276	Numerical Simulations of Convective Three-dimensional Red Supergiant Envelopes. Astrophysical Journal, 2022, 929, 156.	4.5	31
3277	After The Fall: Resolving the Molecular Gas in Post-starburst Galaxies. Astrophysical Journal, 2022, 929, 154.	4.5	18
3278	Outcome Prediction for SARS-CoV-2 Patients Using Machine Learning Modeling of Clinical, Radiological, and Radiomic Features Derived from Chest CT Images. Applied Sciences (Switzerland), 2022, 12, 4493.	2.5	7
3279	A Dearth of Close-in Stellar Companions to M-dwarf TESS Objects of Interest. Astronomical Journal, 2022, 163, 232.	4.7	9
3280	QLUE: A Computer Vision Tool for Uniform Qualitative Evaluation of Web Pages. , 2022, , .		3

#	Article	IF	Citations
3281	Threshold estimation based on local minima for nucleus and cytoplasm segmentation. BMC Medical Imaging, 2022, 22, 77.	2.7	5
3282	Variability in quasar light curves: using quasars as standard candles. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 060.	5.4	5
3283	A New Dimensionality-Unbiased Score for Efficient and Effective Outlying Aspect Mining. Data Science and Engineering, 2022, 7, 120-135.	6.4	12
3284	Polarimetric characterization of segmented mirrors. Applied Optics, 0, , .	1.8	1
3285	Frequency-dependent constraints on cosmic birefringence from the LFI and HFI <i>Planck</i> Data Release 4. Astronomy and Astrophysics, 2022, 662, A10.	5.1	30
3287	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	8.3	163
3288	Selection of Noninvasive Features in Wrist-Based Wearable Sensors to Predict Blood Glucose Concentrations Using Machine Learning Algorithms. Sensors, 2022, 22, 3534.	3.8	2
3289	Secular chaos in white dwarf planetary systems: origins of metal pollution and short-period planetary companions. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4178-4195.	4.4	8
3290	The number of transits per epoch for transiting misaligned circumbinary planets. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5162-5173.	4.4	1
3291	A disturbing FABLE of mergers, feedback, turbulence, and mass biases in simulated galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 514, 313-328.	4.4	11
3292	The large-scale 21-cm power spectrum from reionization. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5109-5124.	4.4	8
3293	<i>iFeatureOmega:</i> an integrative platform for engineering, visualization and analysis of features from molecular sequences, structural and ligand data sets. Nucleic Acids Research, 2022, 50, W434-W447.	14.5	24
3295	The HST Large Program on Ï‰ Centauri. V. Exploring the Ultracool Dwarf Population with Stellar Atmosphere and Evolutionary Modeling. Astrophysical Journal, 2022, 930, 24.	4.5	6
3296	Modeling core-collapse supernovae gravitational-wave memory in laser interferometric data. Physical Review D, 2022, 105, .	4.7	9
3297	Characterization of Supernovae Based on the Spectralâ€"Temporal Energy Distribution: Two Possible SN Ib Subtypes. Astrophysical Journal, 2022, 930, 31.	4.5	1
3298	Multi-class classification of breast tissue using optical coherence tomography and attenuation imaging combined via deep learning. Biomedical Optics Express, 2022, 13, 3380.	2.9	9
3299	Deciphering radiological stable disease to immune checkpoint inhibitors. Annals of Oncology, 2022, 33, 824-835.	1.2	21
3300	Synthetic Population of Binary Cepheids. I. The Effect of Metallicity and Initial Parameter Distribution on Characteristics of Cepheidsâ€™ Companions. Astrophysical Journal, 2022, 930, 65.	4.5	5

#	ARTICLE	IF	CITATIONS
3301	A Methodology for Controlling Bias and Fairness in Synthetic Data Generation. Applied Sciences (Switzerland), 2022, 12, 4619.	2.5	4
3302	LiquidDiffract: software for liquid total scattering analysis. Physics and Chemistry of Minerals, 2022, 49, 1.	0.8	4
3303	Bona Fide Riesz Projections for Density Estimation. , 2022, , .		1
3304	Improved Gibbs samplers for cosmic microwave background power spectrum estimation. Physical Review D, 2022, 105, .	4.7	0
3305	DLEB: a web application for building deep learning models in biological research. Nucleic Acids Research, 2022, , .	14.5	1
3308	High precision ringdown modeling: Multimode fits and BMS frames. Physical Review D, 2022, 105, .	4.7	21
3309	The first seven months of the 2020 X-ray outburst of the magnetar SGRâ€‰J1935+2154. Monthly Notices of the Royal Astronomical Society, 2022, 516, 602-616.	4.4	4
3310	FitsMap: A simple, lightweight tool for displaying interactive astronomical image and catalog data. Astronomy and Computing, 2022, 39, 100586.	1.7	1
3311	Discovery of PSR J0523-7125 as a Circularly Polarized Variable Radio Source in the Large Magellanic Cloud. Astrophysical Journal, 2022, 930, 38.	4.5	10
3312	Stormwater Bioretention Cells Are Not an Effective Treatment for Persistent and Mobile Organic Compounds (PMOCs). Environmental Science & Technology, 2022, , .	10.0	7
3313	Integral Field Spectroscopy with the Solar Gravitational Lens. Astrophysical Journal, 2022, 930, 19.	4.5	3
3314	HyGAL: Characterizing the Galactic Interstellar Medium with Observations of Hydrides and Other Small Molecules. I. Survey Description and a First Look Toward W3(OH), W3 IRS5, and NGC 7538 IRS1. Astrophysical Journal, 2022, 930, 141.	4.5	10
3315	Compendium of specialized metabolite biosynthetic diversity encoded in bacterial genomes. Nature Microbiology, 2022, 7, 726-735.	13.3	106
3316	Phenazines and toxoflavin act as interspecies modulators of resilience to diverse antibiotics. Molecular Microbiology, 2022, 117, 1384-1404.	2.5	7
3317	A New Analysis of Eight Spitzer Phase Curves and Hot Jupiter Population Trends: Qatar-1b, Qatar-2b, WASP-52b, WASP-34b, and WASP-140b. Astronomical Journal, 2022, 163, 256.	4.7	10
3318	Identifying signatures of proteolytic stability and monomeric propensity in O-glycosylated insulin using molecular simulation. Journal of Computer-Aided Molecular Design, 2022, 36, 313-328.	2.9	2
3319	Torchaudio: Building Blocks for Audio and Speech Processing. , 2022, , .		29
3320	Expanding shells around young clusters â€" S 171/Be 59. Astronomy and Astrophysics, 2022, 663, A111.	5.1	1

#	Article	IF	Citations
3323	Molecular Mingling: Multimodal Predictions of Ligand Promiscuity in Pentameric Ligand-Gated Ion Channels. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	10
3325	The C-Band All-Sky Survey (C-BASS): template fitting of diffuse galactic microwave emission in the northern sky. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5900-5919.	4.4	10
3327	The pocketome of G-protein-coupled receptors reveals previously untargeted allosteric sites. Nature Communications, 2022, 13, 2567.	12.8	43
3328	Scan strategies for wind profiling with Doppler lidar â€" an large-eddy simulation (LES)-based evaluation. Atmospheric Measurement Techniques, 2022, 15, 2839-2856.	3.1	6
3329	Response of Eurasian Temperature to Barentsâ€"Kara Sea Ice: Evaluation by Multiâ€Model Seasonal Predictions. Geophysical Research Letters, 2022, 49, .	4.0	9
3330	Influence of effective polarization on ion and water interactions within a biomimetic nanopore. Biophysical Journal, 2022, 121, 2014-2026.	0.5	5
3331	Smart Electronic Nose Enabled by an Allâ€Feature Olfactory Algorithm. Advanced Intelligent Systems, 2022, 4, .	6.1	17
3332	Polarimetric investigation of selected cloud compositions in exoplanetary atmospheres. Astronomy and Astrophysics, 0, , .	5.1	3
3333	Stack Operation of Tensor Networks. Frontiers in Physics, 2022, 10, .	2.1	1
3334	Artificial Intelligence Predictor for Alzheimerâ€™s Disease Trained on Blood Transcriptome: The Role of Oxidative Stress. International Journal of Molecular Sciences, 2022, 23, 5237.	4.1	7
3335	Estimation of missing air pollutant data using a spatiotemporal convolutional autoencoder. Neural Computing and Applications, 2022, 34, 16129-16154.	5.6	8
3336	The direction of landscape erosion. Earth Surface Dynamics, 2022, 10, 383-419.	2.4	2
3337	Analyzing nested experimental designsâ€"A user-friendly resampling method to determine experimental significance. PLoS Computational Biology, 2022, 18, e1010061.	3.2	7
3338	Examining fundamental and excitation gaps at the thermodynamic limit: A combined (QTP) DFT and coupled cluster study on <i>trans</i>-polyacetylene and polyacene. Journal of Chemical Physics, 2022, 156, .	3.0	3
3339	Deep Journalism and DeepJournal V1.0: A Data-Driven Deep Learning Approach to Discover Parameters for Transportation. Sustainability, 2022, 14, 5711.	3.2	10
3340	Realistic galaxy images and improved robustness in machine learning tasks from generative modelling. Monthly Notices of the Royal Astronomical Society, 2022, 515, 652-677.	4.4	7
3341	GemGIS - Spatial Data Processing for Geomodeling. Journal of Open Source Software, 2022, 7, 3709.	4.6	2
3342	Relating the Diverse Merger Histories and Satellite Populations of Nearby Galaxies. Astrophysical Journal, 2022, 930, 69.	4.5	13

#	Article	IF	Citations
3343	Astronomical échelle spectroscopy data analysis with muler. Journal of Open Source Software, 2022, 7, 4302.	4.6	3
3344	Scaling relations of z ~ 0.25–1.5 galaxies in various environments from the morpho-kinematics analysis of the MAGIC sample. Astronomy and Astrophysics, 2022, 665, A54.	5.1	5
3346	Nezzle: an interactive and programmable visualization of biological networks in Python. Bioinformatics, 2022, 38, 3310-3311.	4.1	0
3347	Interfacing SYCL and Python for XPU Programming. , 2022, , .		1
3348	Sound Localization of World and Head-Centered Space in Ferrets. Journal of Neuroscience, 2022, 42, 4580-4593.	3.6	1
3349	Sizing from the smallest scales: the mass of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4968-4982.	4.4	6
3350	The Perkins INfrared Exosatellite Survey (PINES) I. Survey Overview, Reduction Pipeline, and Early Results. Astronomical Journal, 2022, 163, 253.	4.7	7
3351	Testing the limitations of harmonic approximation in the determination of Raman intensities. Molecular Physics, 2022, 120, .	1.7	1
3352	Revising Cadastral Data on Land Boundaries Using Deep Learning in Image-Based Mapping. ISPRS International Journal of Geo-Information, 2022, 11, 298.	2.9	7
3353	The eccentric millisecond pulsar, PSR J0955−6150. Astronomy and Astrophysics, 2022, 665, A53.	5.1	7
3354	A Comprehensive Evaluation of Consensus Spectrum Generation Methods in Proteomics. Journal of Proteome Research, 2022, 21, 1566-1574.	3.7	2
3355	KiSSim: Predicting Off-Targets from Structural Similarities in the Kinome. Journal of Chemical Information and Modeling, 2022, 62, 2600-2616.	5.4	3
3356	Individuals with Metabolic Syndrome Show Altered Fecal Lipidomic Profiles with No Signs of Intestinal Inflammation or Increased Intestinal Permeability. Metabolites, 2022, 12, 431.	2.9	2
3357	Survival of the Fittest: Numerical Modeling of SN 2014C. Astrophysical Journal, 2022, 930, 150.	4.5	3
3358	Deciphering stellar chorus: apollinaire, a Python 3 module for Bayesian peakbagging in helioseismology and asteroseismology. Astronomy and Astrophysics, 2022, 663, A118.	5.1	5
3360	A novel extreme gradient boosting algorithm based model for predicting the scour risk around bridge piers: application to French railway bridges. European Journal of Environmental and Civil Engineering, 0, , 1-19.	2.1	2
3361	Pest incidence forecasting based on Internet of Things and Long Short-Term Memory Network. Applied Soft Computing Journal, 2022, 124, 108895.	7.2	8
3362	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20

#	ARTICLE	IF	CITATIONS
3363	Binary space partitioning generates hierarchical and rectilinear neutral landscape models suitable for human-dominated landscapes. Landscape Ecology, 2022, 37, 1761-1769.	4.2	2
3364	Substructure in the stellar halo near the Sun. Astronomy and Astrophysics, 2022, 665, A57.	5.1	17
3365	Thresholds in Road Network Functioning on US Atlantic and Gulf Barrier Islands. Earth's Future, 2022, 10, .	6.3	2
3366	Near-infrared Spectroscopy of the Nucleus of Low-activity Comet P/2016 BA$_{14}$ during Its 2016 Close Approach. Planetary Science Journal, 2022, 3, 105.	3.6	0
3367	Ringing the universe with cosmic emptiness: void properties through a combined analysis of stacked weak gravitational and Doppler lensing. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
3368	The Chemical Composition of Extreme-velocity Stars* $^{â€}$. Astronomical Journal, 2022, 163, 252.	4.7	5
3369	Functional and structural characterization of interactions between opposite subunits in HCN pacemaker channels. Communications Biology, 2022, 5, 430.	4.4	1
3370	Observing Planet-driven Dust Spirals with ALMA. Astrophysical Journal, 2022, 930, 40.	4.5	11
3371	Starduster: A Multiwavelength SED Model Based on Radiative Transfer Simulations and Deep Learning. Astrophysical Journal, 2022, 930, 66.	4.5	5
3372	Galaxy correlation function and local density from photometric redshifts using the stochastic order redshift technique (SORT). Monthly Notices of the Royal Astronomical Society, 2022, 514, 1857-1878.	4.4	2
3373	Predicting Slowdowns in Decadal Climate Warming Trends With Explainable Neural Networks. Geophysical Research Letters, 2022, 49, .	4.0	7
3374	Staring at the Shadows of Archaic Galaxies: Damped Lyα and Metal Absorbers Toward a Young z â¼ 6 Weak-line Quasar. Astronomical Journal, 2022, 163, 251.	4.7	6
3375	Performance of Teleportation-Based Error-Correction Circuits for Bosonic Codes with Noisy Measurements. PRX Quantum, 2022, 3, .	9.2	3
3376	Factors Facilitating and Hindering the Use of Newly Acquired Positioning Skills in Clinical Practice: A Longitudinal Survey. Frontiers in Medicine, 2022, 9, .	2.6	0
3377	A machine-learning photometric classifier for massive stars in nearby galaxies. Astronomy and Astrophysics, 2022, 666, A122.	5.1	6
3378	Assessing the Uncertainties of Simulation Approaches for Solar Thermal Systems Coupled to Industrial Processes. Energies, 2022, 15, 3333.	3.1	4
3379	Shared Data and Algorithms for Deep Learning in Fundamental Physics. Computing and Software for Big Science, 2022, 6, .	2.9	9
3380	Decreasing dorsal cochlear nucleus activity ameliorates noise-induced tinnitus perception in mice. BMC Biology, 2022, 20, 102.	3.8	5

#	Article	IF	Citations
3381	Comparisons of Type Ia Supernova Light Curves in the UV and Optical with the Swift Ultra-violet/Optical Telescope. Astronomical Journal, 2022, 163, 258.	4.7	1
3382	A Zwicky Transient Facility Look at Optical Variability of Young Stellar Objects in the North America and Pelican Nebulae Complex. Astronomical Journal, 2022, 163, 263.	4.7	6
3383	Balancing turbulent heating with radiative cooling in blazars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5766-5779.	4.4	2
3384	Assessing the Transiting Exoplanet Survey Satellite's Yield of Rocky Planets Around Nearby M Dwarfs. Astronomical Journal, 2022, 163, 255.	4.7	8
3385	Fully Automatic Whole-Volume Tumor Segmentation in Cervical Cancer. Cancers, 2022, 14, 2372.	3.7	9
3386	Picoastal: A low-cost coastal video monitoring system. SoftwareX, 2022, 18, 101073.	2.6	1
3387	New technique for determining a pulsar period: Waterfall principal component analysis. Astronomy and Astrophysics, 2022, 663, A106.	5.1	2
3388	Gradient tree boosting and network propagation for the identification of pan-cancer survival networks. STAR Protocols, 2022, 3, 101353.	1.2	0
3389	Multisensor approach to land use and land cover mapping in Brazilian Amazon. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 189, 95-109.	11.1	7
3390	Discovery of direct band gap perovskites for light harvesting by using machine learning. Computational Materials Science, 2022, 210, 111476.	3.0	18
3391	Constructing dynamic residential energy lifestyles using Latent Dirichlet Allocation. Applied Energy, 2022, 318, 119109.	10.1	8
3392	Tree boosting for learning EFT parameters. Computer Physics Communications, 2022, 277, 108385.	7.5	6
3393	We need stable, long-term policy support! â€" Evaluating the economic rationale behind the prevalent investor lament for forest-based biofuel production. Applied Energy, 2022, 318, 119044.	10.1	4
3394	Territory Design for the Multi-Period Vehicle Routing Problem with Time Windows. Computers and Operations Research, 2022, 145, 105866.	4.0	5
3395	Modelling of renewable energy power plant controllers for steady-state studies using an extended power flow formulation. International Journal of Electrical Power and Energy Systems, 2022, 141, 108185.	5.5	2
3396	On the dependence of orientation averaging mean field homogenization on planar fourth-order fiber orientation tensors. Mechanics of Materials, 2022, 170, 104307.	3.2	11
3397	Reconstructing dual-phase nanometer scale grains within a pearlitic steel tip in 3D through 4D-scanning precession electron diffraction tomography and automated crystal orientation mapping. Ultramicroscopy, 2022, 238, 113536.	1.9	3
3398	An improved method for predicting autoignition temperatures based on first principles. Fuel, 2022, 323, 124245.	6.4	3

#	Article	IF	Citations
3399	An Application of Decission Tree for Modeling the Direct Kinematic Solution of 5R Planar Parallel Manipulator. , 2021, 11, 61-73.		0
3400	BifactorCalc: An Online Calculator for Ancillary Measures of Bifactor Models. Revista Evaluar, 2021, 21, 01-14.	0.2	1
3401	ACute3D: A Compact, Cost-Effective, 3-D Printed Laser Autocollimator. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	3
3402	ASpecD: A Modular Framework for the Analysis of Spectroscopic Data Focussing on Reproducibility and Good Scientific Practice**. Chemistry Methods, 2022, 2, .	3.8	3
3403	Single-stranded nucleic acid binding and coacervation by linker histone H1. Nature Structural and Molecular Biology, 2022, 29, 463-471.	8.2	26
3404	The effect of shallow and deep traps on the determination of thermal quenching using pulsed optically stimulated luminescence: The case of Al2O3:C. Journal of Luminescence, 2022, 248, 118982.	3.1	2
3405	An improved rainflow counting method for multiaxial stress states using the minimum circumscribed circle method to identify shear stress ranges. International Journal of Fatigue, 2022, 163, 106997.	5.7	6
3406	The contribution of emission sources to the future air pollution disease burden in China. Environmental Research Letters, 2022, 17, 064027.	5.2	5
3407	A Gaia View on the Star Formation in the Monoceros OB1 and R1 Associations. Astronomical Journal, 2022, 163, 266.	4.7	6
3408	Pandora: A fast open-source exomoon transit detection algorithm. Astronomy and Astrophysics, 2022, 662, A37.	5.1	7
3409	<i>Contour</i>: A semi-automated segmentation and quantitation tool for cryo-soft-X-ray tomography. Biological Imaging, 2022, 2, .	2.2	6
3410	uSystolic: Byte-Crawling Unary Systolic Array. , 2022, , .		8
3411	Optimal shape of stellarators for magnetic confinement fusion. Journal Des Mathematiques Pures Et Appliquees, 2022, , .	1.6	1
3412	Novel constraints on neutrino physics beyond the standard model from the CONUS experiment. Journal of High Energy Physics, 2022, 2022, .	4.7	19
3413	Initial Ni-56 Masses in Type Ia Supernovae. Publications of the Astronomical Society of the Pacific, 2022, 134, 054201.	3.1	1
3414	Representations of Temporal Community Structure in Hippocampus and Precuneus Predict Inductive Reasoning Decisions. Journal of Cognitive Neuroscience, 2022, 34, 1736-1760.	2.3	10
3415	Hermeian haloes: Field haloes that interacted with both the Milky Way and M31. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3612-3625.	4.4	3
3416	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. Astronomical Journal, 2022, 163, 269.	4.7	4

#	ARTICLE	IF	CITATIONS
3417	Mapping Magnetic Signals of Individual Magnetite Grains to Their Internal Magnetic Configurations Using Micromagnetic Models. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	3
3418	Effect of Solvent Vapor Annealing on Diblock Copolymer-Templated Mesoporous Si/Ge/C Thin Films: Implications for Li-Ion Batteries. ACS Applied Nano Materials, 2022, 5, 7278-7287.	5.0	2
3419	On detecting spoofing strategies in high-frequency trading. Quantitative Finance, 2022, 22, 1405-1425.	1.7	4
3420	High-throughput predictions of metalâ€"organic framework electronic properties: theoretical challenges, graph neural networks, and data exploration. Npj Computational Materials, 2022, 8, .	8.7	43
3421	Implementing and evaluating far-field 3D X-ray diffraction at the I12 JEEP beamline, Diamond Light Source. Journal of Synchrotron Radiation, 2022, 29, 1043-1053.	2.4	2
3422	Monitoring Inner Regions in the RY Tau Jet. Astronomical Journal, 2022, 163, 268.	4.7	4
3423	First results from the ENTOTO neutron monitor: Quantifying the waiting time distribution. Advances in Space Research, 2023, 72, 805-815.	2.6	2
3424	Characterizing the Î³-Ray Variability of Active Galactic Nuclei with the Stochastic Process Method. Astrophysical Journal, 2022, 930, 157.	4.5	14
3425	Limit surface/states searching algorithm with a deep neural network and Monte Carlo dropout for nuclear power plant safety assessment. Applied Soft Computing Journal, 2022, 124, 109007.	7.2	5
3426	Eruption of the Envelope of Massive Stars by Energy Injection with Finite Duration. Astrophysical Journal, 2022, 930, 168.	4.5	13
3427	Load Spectrum Analysis with Open Source Software â€" An Application Example. Fatigue of Aircraft Structures, 2021, 2021, 17-30.	0.3	0
3428	Light Availability Affects the Symbiosis of Sponge Specific Cyanobacteria and the Common Blue Aquarium Sponge (Lendenfeldia chondrodes). Animals, 2022, 12, 1283.	2.3	3
3429	Quantifying yeast colony morphologies with feature engineering from time-lapse photography. Scientific Data, 2022, 9, 216.	5.3	2
3430	Pseudodynamic analysis of heart tube formation in the mouse reveals strong regional variability and early leftâ€"right asymmetry. , 2022, 1, 504-517.		8
3431	Data analysis of CO2 hydrogenation catalysts for hydrocarbon production. Journal of CO2 Utilization, 2022, 61, 102034.	6.8	12
3432	GPU accelerated estimation of a shared random effect joint model for dynamic prediction. Computational Statistics and Data Analysis, 2022, 174, 107528.	1.2	0
3433	Visualizing Invisible Phase Transitions in Blue Phase Liquid Crystals Using Early Warning Indicators. Small, 2022, 18, e2200113.	10.0	3
3434	Unsupervised discovery of behaviorally relevant brain states in rats playing hide-and-seek. Current Biology, 2022, 32, 2640-2653.e4.	3.9	5

#	ARTICLE	IF	CITATIONS
3435	People construct simplified mental representations to plan. Nature, 2022, 606, 129-136.	27.8	24
3436	Leveraging clinical data across healthcare institutions for continual learning of predictive risk models. Scientific Reports, 2022, 12, 8380.	3.3	14
3437	The spread of the first introns in proto-eukaryotic paralogs. Communications Biology, 2022, 5, 476.	4.4	7
3438	A male pheromone that improves the quality of the oogenic germline. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2015576119.	7.1	15
3439	Saccade rate is associated with recall of items in working memory. Learning and Memory, 2022, 29, 146-154.	1.3	0
3440	Deep learning-based prediction of heart failure rehospitalization during 6, 12, 24-month follow-ups in patients with acute myocardial infarction. Health Informatics Journal, 2022, 28, 146045822211015.	2.1	3
3441	Model verification tools: a computational framework for verification assessment of mechanistic agent-based models. BMC Bioinformatics, 2021, 22, 626.	2.6	0
3442	Clustering compositional data using Dirichlet mixture model. PLoS ONE, 2022, 17, e0268438.	2.5	4
3443	Quasi-Monte Carlo Software. Springer Proceedings in Mathematics and Statistics, 2022, , 23-47.	0.2	3
3445	CrisprVi: a software for visualizing and analyzing CRISPR sequences of prokaryotes. BMC Bioinformatics, 2022, 23, .	2.6	1
3449	A Comparison of Two Methods Modeling High-Temperature Fatigue Crack Initiation in Ferrite–Pearlite Steel. Crystals, 2022, 12, 718.	2.2	2
3450	Low-Frequency Marsquakes and Where to Find Them: Back Azimuth Determination Using a Polarization Analysis Approach. Bulletin of the Seismological Society of America, 2022, 112, 1787-1805.	2.3	24
3451	Not so rigid capsids based on cyclodextrin complexes: Keys to design. Journal of Colloid and Interface Science, 2022, 623, 938-946.	9.4	3
3453	A TDF-WNSP-WLFM algorithm for product recommendation based on multiple types of implicit user behavior. Journal of Supercomputing, 0, , .	3.6	0
3456	Innate heuristics and fast learning support escape route selection in mice. Current Biology, 2022, 32, 2980-2987.e5.	3.9	2
3458	New improved Brazilian daily weather gridded data (1961–2020). International Journal of Climatology, 2022, 42, 8390-8404.	3.5	24
3459	The *Gaia* EDR3 view of Johnson-Kron-Cousins standard stars: the curated Landolt and Stetson collections. Astronomy and Astrophysics, 2022, 664, A109.	5.1	10
3460	The detection of transiting exoplanets by *Gaia*. Astronomy and Astrophysics, 2022, 663, A101.	5.1	9

#	Article	IF	Citations
3461	A large-scale analysis of codon usage bias in 4868 bacterial genomes shows association of codon adaptation index with GC content, protein functional domains and bacterial phenotypes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2022, 1865, 194826.	1.9	5
3462	Dependence of Dust Formation on the Supernova Explosion. Astrophysical Journal, 2022, 931, 85.	4.5	7
3463	*pdCIFplotter*: visualizing powder diffraction data in pdCIF format. Journal of Applied Crystallography, 2022, 55, 631-637.	4.5	7
3464	Mutual information maximization for amortized likelihood inference from sampled trajectories: MINIMALIST. Physical Review E, 2022, 105, .	2.1	0
3465	Laser-atom interaction simulator derived from quantum electrodynamics. Physical Review A, 2022, 105, .	2.5	1
3466	Imagedata: A Python library to handle medical image data in NumPy array subclass Series. Journal of Open Source Software, 2022, 7, 4133.	4.6	2
3467	Feedback from nuclear RNA on transcription promotes robust RNA concentration homeostasis in human cells. Cell Systems, 2022, 13, 454-470.e15.	6.2	25
3469	Protein language-model embeddings for fast, accurate, and alignment-free protein structure prediction. Structure, 2022, 30, 1169-1177.e4.	3.3	52
3470	Longitudinal Variation of H_2O Ice Absorption on Miranda. Planetary Science Journal, 2022, 3, 119.	3.6	5
3471	TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with the Habitable-Zone Planet Finder. Astronomical Journal, 2022, 163, 286.	4.7	3
3472	First Light And Reionisation Epoch Simulations (flares) â€" IV. The size evolution of galaxies at *z* Â≥Â5. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1921-1939.	4.4	21
3473	Diacylglycerols interact with the L2 lipidation site in TRPC3 to induce a sensitized channel state. EMBO Reports, 2022, 23, .	4.5	11
3474	Design parameters for Airy beams in light-sheet microscopy. Applied Optics, 2022, 61, 5315.	1.8	3
3475	Unravelling hierarchical levels of structure in lipid membranes. Computational and Structural Biotechnology Journal, 2022, 20, 2798-2806.	4.1	3
3477	Spatial Distribution of Cyclograpsus cinereus Dana 1851 on the Rocky Shores of Antofagasta (23Â°27â€² S,) Tj ETQq0 0 0 rgBT /Overlo	1.7	1
3478	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. Astronomical Journal, 2022, 163, 284.	4.7	16
3480	Generative magic and designing magic performances with constraint programming. Constraints, 0, , .	0.7	0
3481	The Redshift Evolution of the Binary Black Hole Merger Rate: A Weighty Matter. Astrophysical Journal, 2022, 931, 17.	4.5	56

#	Article	IF	Citations
3482	Assessment of Outliers in Alloy Datasets Using Unsupervised Techniques. Jom, 2022, 74, 2846-2859.	1.9	3
3483	Fluorescence ratio and photochemical reflectance index as a proxy for photosynthetic quantum efficiency of photosystem II along a phosphorus gradient. Agricultural and Forest Meteorology, 2022, 322, 109019.	4.8	5
3484	pyCRTM: A python interface for the community radiative transfer model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 288, 108263.	2.3	4
3485	Machine Learning Directed Organoid Morphogenesis Uncovers an Excitable System Driving Human Axial Elongation. SSRN Electronic Journal, 0, , .	0.4	0
3486	Tractography-Based Navigated TMS Language Mapping Protocol. SSRN Electronic Journal, 0, , .	0.4	0
3487	Visualizing optically-induced strains by five-dimensional ultrafast electron microscopy. Faraday Discussions, 0, 237, 27-39.	3.2	7
3488	Generating Synthetic Sensor Event Logs forÂProcess Mining. Lecture Notes in Business Information Processing, 2022, , 130-137.	1.0	3
3489	An Inverse Reinforcement Learning Approach for Customizing Automated Lane Change Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 9261-9271.	6.3	10
3490	Machine Learning-Based Prediction of Impulse Control Disorders in Parkinsonâ€™s Disease From Clinical and Genetic Data. IEEE Open Journal of Engineering in Medicine and Biology, 2022, 3, 96-107.	2.3	2
3491	Multi-User Macro Gesture Recognition using mmWave Technology. , 2022, , .		2
3492	Enhanced Star Formation Activity of Extreme Jellyfish Galaxies in Massive Clusters and the Role of Ram Pressure Stripping. Astrophysical Journal Letters, 2022, 931, L22.	8.3	9
3493	Rare Germline Variants Are Associated with Rapid Biochemical Recurrence After Radical Prostate Cancer Treatment: A Pan Prostate Cancer Group Study. European Urology, 2022, 82, 201-211.	1.9	2
3494	Lessons for Data-Driven Modelling from Harmonics in the Norwegian Grid. Algorithms, 2022, 15, 188.	2.1	0
3495	Uniform modelling of the stellar density of thirteen tidal streams within the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1757-1781.	4.4	1
3496	Efficient coding of numbers explains decision bias and noise. Nature Human Behaviour, 2022, 6, 1142-1152.	12.0	11
3497	Volumetric parameters from [^{18}F]$FDG PET$/CT predicts survival in patients with highâ€grade gastroenteropancreatic neuroendocrine neoplasms. Journal of Neuroendocrinology, 2022, 34, .	2.6	12
3498	**How electronic superpositions drive nuclear motion following the creation of a localized hole in the glycine radical cation**. Journal of Chemical Physics, 0, , .	3.0	3
3499	NEOWISE Observations of the Potentially Hazardous Asteroid (99942) Apophis. Planetary Science Journal, 2022, 3, 124.	3.6	2

#	Article	IF	Citations
3500	CRISPR/Cas9 gRNA activity depends onÂfree energy changes and on the target PAM context. Nature Communications, 2022, 13, .	12.8	31
3501	Polarization and variability of compact sources measured in <i>Planck</i> time-ordered data. Astronomy and Astrophysics, 2023, 669, A92.	5.1	1
3502	Opioidâ€free sedation for atlantoaxial cerebrospinal fluid collection in adult horses. Journal of Veterinary Internal Medicine, 2022, 36, 1812-1819.	1.6	2
3503	Growth of disc-like pseudo-bulges in SDSS DR7 since <i>z</i> = 0.1. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
3504	Finite-Size Scaling on a Digital Quantum Simulator Using Quantum Restricted Boltzmann Machine. Frontiers in Physics, 0, 10, .	2.1	2
3505	Lossless indexing with counting de Bruijn graphs. Genome Research, 2022, 32, 1754-1764.	5.5	5
3506	Detecting ongoing disease activity in mildly affected multiple sclerosis patients under first-line therapies. Multiple Sclerosis and Related Disorders, 2022, 63, 103927.	2.0	10
3507	BEAN: Brain Extraction and Alignment Network for 3D Fetal Neurosonography. NeuroImage, 2022, 258, 119341.	4.2	6
3508	Propagation failure in discrete reactionâ€"diffusion system based on the butterfly bifurcation. Chaos, 2022, 32, 053124.	2.5	0
3510	Measuring the Properties of Active Galactic Nuclei Disks with Gravitational Waves. Astrophysical Journal, 2022, 931, 82.	4.5	14
3511	Solar-like Dynamos and Rotational Scaling of Cycles from Star-in-a-box Simulations. Astrophysical Journal Letters, 2022, 931, L17.	8.3	5
3512	The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOIâ€"1246. Astronomical Journal, 2022, 163, 293.	4.7	7
3513	Resolving complex cartilage structures in developmental biology via deep learning-based automatic segmentation of X-ray computed microtomography images. Scientific Reports, 2022, 12, .	3.3	1
3514	Generating Stellar Obliquity in Systems with Broken Protoplanetary Disks. Astrophysical Journal, 2022, 931, 42.	4.5	6
3515	Global Geomagnetic Perturbation Forecasting Using Deep Learning. Space Weather, 2022, 20, .	3.7	2
3516	A Wireless Underground Sensor Network Field Pilot for Agriculture and Ecology: Soil Moisture Mapping Using Signal Attenuation. Sensors, 2022, 22, 3913.	3.8	8
3517	ScanNet: an interpretable geometric deep learning model for structure-based protein binding site prediction. Nature Methods, 2022, 19, 730-739.	19.0	68
3518	rabpro: global watershed boundaries, river elevation profiles, and catchment statistics. Journal of Open Source Software, 2022, 7, 4237.	4.6	2

#	Article	IF	Citations
3520	The defocused observations of bright sources with <i>Athena</i>/X-IFU. Astronomy and Astrophysics, 2022, 664, A29.	5.1	3
3521	Towards an understanding of YSO variability: a multiwavelength analysis of bursting, dipping, and symmetrically varying light curves of disc-bearing YSOs. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2736-2755.	4.4	5
3522	Modelling the secular evolution of protoplanetary disc dust sizes â€" a comparison between the viscous and magnetic wind case. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1088-1106.	4.4	6
3523	Hybrid machine learning methods combined with computer vision approaches to estimate biophysical parameters of pastures. Evolutionary Intelligence, 2023, 16, 1271-1284.	3.6	2
3524	Assuming Ionization Equilibrium and the Impact on the LyÎ± Forest Power Spectrum during the End of Reionization at 8 â‰¥ z â‰¥ 5. Astrophysical Journal, 2022, 931, 46.	4.5	3
3526	Accurate Prediction of y Ions in Beam-Type Collision-Induced Dissociation Using Deep Learning. Analytical Chemistry, 0, , .	6.5	0
3527	Domino Effect in Allosteric Signaling of Peptide Binding. Journal of Molecular Biology, 2022, 434, 167661.	4.2	5
3528	A Detection of H₂ in a High-velocity Cloud toward the Large Magellanic Cloud. Astrophysical Journal, 2022, 931, 78.	4.5	1
3529	Reliable stellar abundances of individual stars with the MUSE integral-field spectrograph. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1034-1053.	4.4	2
3530	Obstructive Sleep Apnoea Syndrome Screening Through Wrist-Worn Smartbands: A Machine-Learning Approach. Nature and Science of Sleep, 0, Volume 14, 941-956.	2.7	3
3531	The importance of black hole repositioning for galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 167-184.	4.4	17
3532	Improving ageâ€"depth relationships by using the LANDO (â€œLinked age and depth modelingâ€) model ensemble. Geochronology, 2022, 4, 269-295.	2.5	2
3533	PyZebrascope: An Open-Source Platform for Brain-Wide Neural Activity Imaging in Zebrafish. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	3
3534	Source Characteristics and Alongâ€Strike Variations of Shallow Very Low Frequency Earthquake Swarms on the Nankai Trough Shallow Plate Boundary. Geophysical Research Letters, 2022, 49, .	4.0	6
3535	Topology optimization of in-pit codisposal of waste rocks and tailings to reduce advective contaminant transport to the environment. Structural and Multidisciplinary Optimization, 2022, 65, .	3.5	2
3536	From giant clumps to clouds â€" III. The connection between star formation and turbulence in the ISM. Monthly Notices of the Royal Astronomical Society, 2022, 514, 480-496.	4.4	13
3538	Pyspeckit: A Spectroscopic Analysis and Plotting Package. Astronomical Journal, 2022, 163, 291.	4.7	23
3539	Classification of dog skin diseases using deep learning with images captured from multispectral imaging device. Molecular and Cellular Toxicology, 2022, 18, 299-309.	1.7	4

#	ARTICLE	IF	CITATIONS
3540	A learned embedding for efficient joint analysis of millions of mass spectra. Nature Methods, 2022, 19, 675-678.	19.0	25
3541	A Survey on Reinforcement Learning Methods in Character Animation. Computer Graphics Forum, 2022, 41, 613-639.	3.0	8
3542	A multiâ€task learning based approach for efficient breast cancer detection and classification. Expert Systems, 2022, 39, .	4.5	2
3543	Unsupervised Clustering of Heartbeat Dynamics Allows for Real Time and Personalized Improvement in Cardiovascular Fitness. Sensors, 2022, 22, 3974.	3.8	7
3544	Accretion rates in hierarchical triple systems with discs. Monthly Notices of the Royal Astronomical Society, 2022, 514, 906-919.	4.4	11
3545	Detectability of a spatial correlation between stellar mass black hole mergers and active galactic nuclei in the local Universe. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2092-2097.	4.4	5
3546	Impact of noise transients on low latency gravitational-wave event localization. Physical Review D, 2022, 105, .	4.7	12
3547	Priors on red galaxy stochasticity from hybrid effective field theory. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2198-2213.	4.4	9
3548	Predicting the Exoplanet Yield of the TESS Prime and Extended Missions through Years 1â€"7. Astronomical Journal, 2022, 163, 290.	4.7	17
3549	Machine learning for metallurgy IV: A neural network potential for Al-Cu-Mg and Al-Cu-Mg-Zn. Physical Review Materials, 2022, 6, .	2.4	6
3550	An Advanced System for the Visualisation and Prediction of Equipment Ageing. Sustainability, 2022, 14, 6156.	3.2	3
3551	On the effect of surface bipolar magnetic regions on the convection zone dynamo. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1522-1534.	4.4	8
3553	Precise Dynamical Masses of Îµ Indi Ba and Bb: Evidence of Slowed Cooling at the L/T Transition. Astronomical Journal, 2022, 163, 288.	4.7	9
3554	Stumbling over Planetary Building Blocks: AU Microscopii as an Example of the Challenge of Retrieving Debris-disk Dust Properties. Astrophysical Journal, 2022, 930, 123.	4.5	6
3555	Integration of thermal imaging and neural networks for mechanical strength analysis and fracture prediction in 3D-printed plastic parts. Scientific Reports, 2022, 12, .	3.3	7
3557	Weak evidence for variable occultation depth of 55 Cnc e with TESS. Astronomy and Astrophysics, 2022, 663, A95.	5.1	9
3558	Probing the shape of the Milky Way dark matter halo with hypervelocity stars: A new method. Astronomy and Astrophysics, 2022, 663, A72.	5.1	1
3560	Quantum Machine Learning with SQUID. Quantum - the Open Journal for Quantum Science, 0, 6, 727.	0.0	0

#	Article	IF	Citations
3561	Statistical power for cluster analysis. BMC Bioinformatics, 2022, 23, .	2.6	115
3562	Analyzing long-term performance of the Keck-II adaptive optics system. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	0
3563	Simplifying the Groundwater Model Interface to Provide Enhanced Decision Support. Journal of the American Water Resources Association, 0, , .	2.4	0
3564	Interaction and co-assembly of optical and topological solitons. Nature Photonics, 2022, 16, 454-461.	31.4	18
3565	Efficient Edge-AI Application Deployment for FPGAs. Information (Switzerland), 2022, 13, 279.	2.9	13
3566	NNMT: Mean-Field Based Analysis Tools for Neuronal Network Models. Frontiers in Neuroinformatics, 2022, 16, .	2.5	4
3567	Coralâ€Based Sea Surface Salinity Reconstructions and the Role of Observational Uncertainties in Inferred Variability and Trends. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	10
3568	FreeTensor: a free-form DSL with holistic optimizations for irregular tensor programs. , 2022, , .		5
3569	High resolution microfluidic assay and probabilistic modeling reveal cooperation between T cells in tumor killing. Nature Communications, 2022, 13, .	12.8	22
3570	Design-development of an at-home modular brainâ€"computer interface (BCI) platform in a case study of cervical spinal cord injury. Journal of NeuroEngineering and Rehabilitation, 2022, 19, .	4.6	5
3572	Fractal-Based Analysis of the Optimal Hydraulic Gradient Surface in the Optimized Design of Water Distribution Networks. , 2022, , .		0
3573	Thermal Budgets of Magma Storage Constrained by Diffusion Chronometry: the Cerro GalÃ¡n Ignimbrite. Journal of Petrology, 2022, 63, .	2.8	4
3574	A calcium-based plasticity model for predicting long-term potentiation and depression in the neocortex. Nature Communications, 2022, 13, .	12.8	30
3575	Minian, an open-source miniscope analysis pipeline. ELife, 0, 11, .	6.0	12
3577	Water observed in the atmosphere of Ï„ BoÃ¶tisÂAb with CARMENES/CAHA. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
3579	Artificial neural networks enable genome-scale simulations of intracellular signaling. Nature Communications, 2022, 13, .	12.8	17
3580	MARS: A New Maximum-entropy-regularized Strong Lensing Mass Reconstruction Method. Astrophysical Journal, 2022, 931, 127.	4.5	6
3583	Quantitative spatiotemporal density evolution of aluminum heated purely by monochromatic electrons. Journal of Applied Physics, 2022, 131, 215901.	2.5	0

#	ARTICLE	IF	CITATIONS
3584	Normal-mode oscillations for the circular and dipolar states of a filled hexagonal magnetic dipole cluster. Chaos, 2022, 32, .	2.5	1
3585	Hi-C embedded polymer model of <i>Escherichia coli</i> reveals the origin of heterogeneous subdiffusion in chromosomal loci. Physical Review E, 2022, 105, .	2.1	6
3586	The diversity of spiral galaxies explained. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3510-3531.	4.4	7
3587	A new active learning approach for adsorbate–substrate structural elucidation in silico. Journal of Molecular Modeling, 2022, 28, .	1.8	6
3589	Mixed-precision explicit stabilized Runge–Kutta methods for single- and multi-scale differential equations. Journal of Computational Physics, 2022, 464, 111349.	3.8	4
3590	The luminosity of cluster galaxies in the Cluster-EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2121-2137.	4.4	1
3591	Beyond GWAS—Could Genetic Differentiation within the Allograft Rejection Pathway Shape Natural Immunity to COVID-19?. International Journal of Molecular Sciences, 2022, 23, 6272.	4.1	3
3593	A data-driven framework for learning the capability of manufacturing process sequences. Journal of Manufacturing Systems, 2022, 64, 68-80.	13.9	9
3594	Performance of binary zeotropic mixtures in organic Rankine cycles (ORCs). Energy Conversion and Management, 2022, 266, 115783.	9.2	12
3595	Autohighlight: Highlight detection in League of Legends esports broadcasts via crowd-sourced data. Machine Learning With Applications, 2022, 9, 100338.	4.4	0
3598	Emission Sector Impacts on Air Quality and Public Health in China From 2010 to 2020. GeoHealth, 2022, 6, .	4.0	5
3599	Sensitivity of Air Pollution Exposure and Disease Burden to Emission Changes in China Using Machine Learning Emulation. GeoHealth, 2022, 6, .	4.0	13
3601	Coding, Software Engineering, and Molecular Science – Teaching a Multidisciplinary Course to Chemistry Graduate Students. ACS Symposium Series, 0, , 159-171.	0.5	3
3602	Teaching Computer-Aided Drug Design Using TeachOpenCADD. ACS Symposium Series, 0, , 135-158.	0.5	3
3603	Detecting Structural Variants and Associated Gene Presence–Absence Variation Phenomena in the Genomes of Marine Organisms. Methods in Molecular Biology, 2022, , 53-76.	0.9	2
3606	Antifluorite-type Na₅FeO₄ as a low-cost, environment-friendly cathode with combined cationic/anionic redox activity for sodium ion batteries: a first-principles investigation. RSC Advances, 2022, 12, 17410-17421.	3.6	3
3607	A Study on the Prediction of Evapotranspiration Using Freely Available Meteorological Data. Lecture Notes in Computer Science, 2022, , 436-450.	1.3	3
3608	Topological Data Analysis of Time-Series as an Input Embedding for Deep Learning Models. IFIP Advances in Information and Communication Technology, 2022, , 402-413.	0.7	1

#	Article	IF	Citations
3609	Privacy-Preserving Inference on the Ratio of Two Gaussians Using Sums. Journal of Data Science, 2022, , 1-16.	0.9	0
3610	Inflation from a Chaotic Potential with a Step. SSRN Electronic Journal, 0, , .	0.4	0
3611	REGENOMICS: A web-based application for plant REGENeration-associated transcriptOMICS analyses. Computational and Structural Biotechnology Journal, 2022, 20, 3234-3247.	4.1	2
3612	Compiling Linear Algebra Expressions intoÂEfficient Code. Lecture Notes in Computer Science, 2022, , 11-17.	1.3	1
3613	Autonomous retrosynthesis of gold nanoparticles <i>via</i> spectral shape matching. , 2022, 1, 502-510.		13
3614	Apophis Planetary Defense Campaign. Planetary Science Journal, 2022, 3, 123.	3.6	4
3615	Tiny-MLOps: a framework for orchestrating ML applications at the far edge of IoT systems. , 2022, , .		8
3616	PyKokkos: Performance Portable Kernels in Python. , 2022, , .		0
3617	Animal-to-Animal Variability in Partial Hippocampal Remapping in Repeated Environments. Journal of Neuroscience, 2022, 42, 5268-5280.	3.6	4
3618	Clustering Consumption Activities in a Water Monitoring System. , 2022, , .		2
3619	Dynaplex: Inferring Asymptotic Runtime Complexity of Recursive Programs. , 2022, , .		0
3620	Modulation of Beta Oscillations in the Pallidum During Externally Cued Gait. Frontiers in Signal Processing, 0, 2, .	1.7	0
3621	HUDD: A tool to debug DNNs for safety analysis. , 2022, , .		1
3622	Compatibility rules of human enhancer and promoter sequences. Nature, 2022, 607, 176-184.	27.8	67
3623	Surface micropatterning for the formation of an in vitro functional endothelial model for cell-based biosensors. Biosensors and Bioelectronics, 2022, , 114481.	10.1	0
3624	Determinants of Multiheme Cytochrome Extracellular Electron Transfer Uncovered by Systematic Peptide Insertion. Biochemistry, 2022, 61, 1337-1350.	2.5	5
3625	Thermal emission from bow shocks. Astronomy and Astrophysics, 2022, 665, A35.	5.1	5
3626	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A36.	5.1	16

#	Article	IF	Citations
3627	Targeting SARS-CoV-2 non-structural protein 13 via helicase-inhibitor-repurposing and non-structural protein 16 through pharmacophore-based screening. Molecular Diversity, 2023, 27, 1067-1085.	3.9	6
3628	The growth and migration of massive planets under the influence of external photoevaporation. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4287-4301.	4.4	12
3629	A 5Âperâ€‰cent measurement of the Hubbleâ€"LemaÃ®tre constant from Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4620-4628.	4.4	24
3630	Gamma-ray light curves and spectra of classical novae. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1008-1021.	4.4	4
3631	Bulk Topological States in a New Collective Dynamics Model. SIAM Journal on Applied Dynamical Systems, 2022, 21, 1455-1494.	1.6	2
3632	Improved Architectures and Training Algorithms for Deep Operator Networks. Journal of Scientific Computing, 2022, 92, .	2.3	17
3633	QMugs, quantum mechanical properties of drug-like molecules. Scientific Data, 2022, 9, .	5.3	37
3634	Automated Determination of Left Ventricular Function Using Electrocardiogram Data in Patients on Maintenance Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 1017-1025.	4.5	3
3635	3D Morphology of Open Clusters in the Solar Neighborhood with Gaia EDR 3. II. Hierarchical Star Formation Revealed by Spatial and Kinematic Substructures. Astrophysical Journal, 2022, 931, 156.	4.5	15
3636	Core Components of an Optimization Framework for Engineering Systems based on Automatic Differentiation. , 2022, , .		1
3637	Extinguishing the FIRE: environmental quenching of satellite galaxies around Milky Way-mass hosts in simulations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5276-5295.	4.4	27
3638	Features Engineering and Features Extraction of Volcano-Tectonic (VT) Earthquake. Journal of Physics: Conference Series, 2022, 2243, 012034.	0.4	0
3639	Modelling fatigue uncertainty by means of nonconstant variance neural networks. Fatigue and Fracture of Engineering Materials and Structures, 0, , .	3.4	2
3640	Systematic Analysis of Actively Transcribed Core Matrisome Genes Across Tissues and Cell Phenotypes. Matrix Biology, 2022, 111, 95-107.	3.6	6
3644	Massive central galaxies of galaxy groups in the <scp>Romulus</scp> simulations: an overview of galaxy properties at <i>z</i>Â= 0. Monthly Notices of the Royal Astronomical Society, 2022, 515, 22-47.	4.4	11
3645	3D elemental abundances of stars at formation across the histories of Milky Way-mass galaxies in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4270-4289.	4.4	14
3646	Machine learning for contour classification in TGâ€263 noncompliant databases. Journal of Applied Clinical Medical Physics, 0, , .	1.9	1
3647	Search for extended Lyman-Î± emission around 9k quasars at zÂ=Â2â€"3. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3910-3924.	4.4	0

#	Article	IF	Citations
3648	Symmetries, safety, and self-supervision. SciPost Physics, 2022, 12, .	4.9	16
3649	EPIC: The Elliptical Parcel-In-Cell method. Journal of Computational Physics: X, 2022, 14, 100109.	0.7	0
3650	A Set of Novel Procedures for Carbon Fiber Reinforcement on Complex Curved Surfaces Using Multi Axis Additive Manufacturing. Applied Sciences (Switzerland), 2022, 12, 5819.	2.5	2
3651	JOREK3D: An extension of the JOREK nonlinear MHD code to stellarators. Physics of Plasmas, 2022, 29, .	1.9	4
3652	An Integrative Analysis of the Rich Planetary System of the Nearby Star e Eridani: Ideal Targets for Exoplanet Imaging and Biosignature Searches. Astronomical Journal, 2022, 164, 12.	4.7	2
3653	Contrasting random and learned features in deep Bayesian linear regression. Physical Review E, 2022, 105, .	2.1	7
3654	Gravitational torques dominate the dynamics of accreted gas at z > 2. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5429-5442.	4.4	5
3655	The Atomic-scale Mapper for Superlattice Photodetectors Analysis. Optics Express, 0, , .	3.4	1
3656	The Hierarchical Structure of Galactic Haloes: Generalised N-Dimensional Clustering with <scp>CluSTAR-ND</scp>. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
3657	Local fitness and epistatic effects lead to distinct patterns of linkage disequilibrium in protein-coding genes. Genetics, 2022, 221, .	2.9	8
3658	REFLACX, a dataset of reports and eye-tracking data for localization of abnormalities in chest x-rays. Scientific Data, 2022, 9, .	5.3	5
3659	Using the Sun to Measure the Primary Beam Response of the Canadian Hydrogen Intensity Mapping Experiment. Astrophysical Journal, 2022, 932, 100.	4.5	6
3660	Measurement of the Gamma-Ray Energy Spectrum beyond 100 TeV from the HESS J1843â€"033 Region. Astrophysical Journal, 2022, 932, 120.	4.5	4
3661	A computational algorithm to assess the physiochemical determinants of T cell receptor dissociation kinetics. Computational and Structural Biotechnology Journal, 2022, 20, 3473-3481.	4.1	1
3662	Accounting for Errors in Data Improves Divergence Time Estimates in Single-cell Cancer Evolution. Molecular Biology and Evolution, 2022, 39, .	8.9	5
3663	Two Dimensional Clustering of Swift/BAT and Fermi/GBM Gamma-ray Bursts. Galaxies, 2022, 10, 77.	3.0	3
3664	easyFermi: A graphical interface for performing Fermi-LAT data analyses. Astronomy and Computing, 2022, 40, 100609.	1.7	4
3666	Unexpected solar-cycle variation of acoustic mode power in Sun-as-a-star observations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3821-3827.	4.4	1

#	Article	IF	Citations
3667	Comparison of adenosineâ€independent pressure indices to fractional flow reserve in stentâ€jailed bifurcation side branches. Catheterization and Cardiovascular Interventions, 0, , .	1.7	0
3668	<i>Gaia</i>Data Release 3. Astronomy and Astrophysics, 2023, 674, A7.	5.1	12
3669	A panchromatic view of star cluster formation in a simulated dwarf galaxy starburst. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4560-4580.	4.4	4
3670	Hot-mode accretion and the physics of thin-discÂgalaxyÂformation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5056-5073.	4.4	32
3671	Integrating Python into a Physical Chemistry Lab. Journal of Chemical Education, 2022, 99, 2604-2609.	2.3	16
3672	Few-Shot Emergency Siren Detection. Sensors, 2022, 22, 4338.	3.8	7
3673	Inferring characteristics of bacterial swimming in biofilm matrix from time-lapse confocal laser scanning microscopy. ELife, 0, 11, .	6.0	3
3674	Asymmetry between right and left optical coherence tomography images identified using convolutional neural networks. Scientific Reports, 2022, 12, .	3.3	4
3675	Classification of SARS-CoV-2 viral genome sequences using Neurochaos Learning. Medical and Biological Engineering and Computing, 2022, 60, 2245-2255.	2.8	7
3676	Fiber Reinforced Composite Manufacturing With the Aid of Artificial Intelligence â€" A State-of-the-Art Review. Archives of Computational Methods in Engineering, 2022, 29, 5511-5524.	10.2	17
3677	Understanding Metalâ€"Organic Framework Nucleation from a Solution with Evolving Graphs. Journal of the American Chemical Society, 2022, 144, 11099-11109.	13.7	19
3678	Position Information in Transformers: An Overview. Computational Linguistics, 2022, 48, 733-763.	3.3	34
3679	Selective modulation of cell surface proteins during vaccinia infection: A resource for identifying viral immune evasion strategies. PLoS Pathogens, 2022, 18, e1010612.	4.7	6
3680	Identifying colorectal cancer caused by biallelic MUTYH pathogenic variants using tumor mutational signatures. Nature Communications, 2022, 13, .	12.8	15
3681	Planktos: An Agent-Based Modeling Framework for Small Organism Movement and Dispersal in a Fluid Environment with Immersed Structures. Bulletin of Mathematical Biology, 2022, 84, .	1.9	0
3682	Solar Polar Flux Redistribution Based on Observed Coronal Holes. Astrophysical Journal, 2022, 932, 115.	4.5	5
3683	SoK: Cryptanalysis of Encrypted Search with LEAKER â€" A framework for LEakage AttacK Evaluation on Real-world data. , 2022, , .		8
3684	Independent Component Analysis Identifies the Modulons Expanding the Transcriptional Regulatory Networks of Enterohemorrhagic Escherichia coli. Frontiers in Microbiology, 0, 13, .	3.5	3

#	Article	IF	Citations
3685	MicNet toolbox: Visualizing and unraveling a microbial network. PLoS ONE, 2022, 17, e0259756.	2.5	1
3687	Design and simulation of DNA, RNA and hybrid proteinâ€"nucleic acid nanostructures with oxView. Nature Protocols, 2022, 17, 1762-1788.	12.0	33
3688	MiniNet: a concise CNN for image forgery detection. Evolving Systems, 2023, 14, 545-556.	3.9	3
3689	Aeroacoustic Analysis of a Subsonic Jet using the Discontinuous Galerkin Method. , 2022, , .		2
3691	Investigation of the Simplest Megastable Chaotic Oscillator with Spatially Triangular Wave Damping. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	1
3692	Xâ€ray Stain Localization with Nearâ€Field Ptychographic Computed Tomography. Advanced Science, 0, , 2201723.	11.2	2
3693	The musca molecular cloud: The perfect â€˜filamentâ€™ is still a sheet. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3593-3603.	4.4	5
3694	Towards a transferable nonelectrostatic model for continuum solvation: The electrostatic and nonelectrostatic energy correction model. Journal of Computational Chemistry, 2022, 43, 1372-1387.	3.3	2
3696	Coronal and Chromospheric Emission in A-type Stars. Astronomical Journal, 2022, 164, 8.	4.7	2
3697	Environmental conditions drive self-organization of reaction pathways in a prebiotic reaction network. Nature Chemistry, 2022, 14, 623-631.	13.6	24
3698	Tau and kappa in interception â€" how perceptual spatiotemporal interrelations affect movements. Attention, Perception, and Psychophysics, 2022, 84, 1925-1943.	1.3	2
3699	Predicting the thermal Sunyaevâ€"Zelâ€™dovich field using modular and equivariant set-based neural networks. Machine Learning: Science and Technology, 2022, 3, 035002.	5.0	3
3700	In Search of Short Gamma-Ray Burst Optical Counterparts with the Zwicky Transient Facility. Astrophysical Journal, 2022, 932, 40.	4.5	3
3701	Modeling the kinematics of globular cluster systems. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4736-4755.	4.4	9
3703	The warm-hot circumgalactic medium around EAGLE-simulation galaxies and its detection prospects with X-ray-line emission. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5214-5237.	4.4	12
3704	Extracting physical characteristics of higher-order chromatin structures from 3D image data. Computational and Structural Biotechnology Journal, 2022, 20, 3387-3398.	4.1	1
3705	Materialization and Reuse Optimizations for Production Data Science Pipelines. , 2022, , .		0
3706	A physics-based digital twin for model predictive control of autonomous unmanned aerial vehicle landing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	9

#	Article	IF	Citations
3707	Multiphase turbulence in galactic haloes: effect of the driving. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3139-3159.	4.4	5
3709	On the Importance of Well-Defined Thermal Correlation Functions in Simulating Vibronic Spectra. Journal of Physical Chemistry A, 2022, 126, 3947-3956.	2.5	3
3711	PythonFOAM: In-situ data analyses with OpenFOAM and Python. Journal of Computational Science, 2022, 62, 101750.	2.9	4
3712	The importance of silicate vapour in determining the structure, radii, and envelope mass fractions of sub-Neptunes. Monthly Notices of the Royal Astronomical Society, 2022, 514, 6025-6037.	4.4	13
3713	Estimating atmospheric parameters from LAMOST low-resolution spectra with low SNR. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4588-4600.	4.4	7
3715	Short-term temperature prediction based on hybrid CEEMDAN, neural networks, and linear regression methods. , 2022, , .		0
3716	Learning Dynamics and Control of a Stochastic System under Limited Sensing Capabilities. Sensors, 2022, 22, 4491.	3.8	0
3717	Fiber orientation distributions based on planar fiber orientation tensors of fourth order. Mathematics and Mechanics of Solids, 2023, 28, 773-794.	2.4	8
3719	The MASSIVE Survey. XVI. The Stellar Initial Mass Function in the Center of MASSIVE Early-type Galaxies. Astrophysical Journal, 2022, 932, 103.	4.5	11
3720	Exploring novel algorithms for atrial fibrillation detection by driving graduate level education in medical machine learning. Physiological Measurement, 2022, 43, 074001.	2.1	5
3721	Hadrons, better, faster, stronger. Machine Learning: Science and Technology, 2022, 3, 025014.	5.0	18
3722	A Vision-Based System for Stage Classification of Parkinsonian Gait Using Machine Learning and Synthetic Data. Sensors, 2022, 22, 4463.	3.8	3
3723	Searching for dark-matter waves with PPTA and QUIJOTE pulsar polarimetry. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 014.	5.4	7
3724	Infrared spectroscopy of free-floating planet candidates in Upper Scorpius and Ophiuchus. Astronomy and Astrophysics, 2022, 664, A111.	5.1	6
3725	Application of Artificial Intelligence in Drug Discovery. Current Pharmaceutical Design, 2022, 28, 2690-2703.	1.9	10
3726	*Gaia* Data Release 3. Astronomy and Astrophysics, 2023, 674, A3.	5.1	46
3727	StarDist Image Segmentation Improves Circulating Tumor Cell Detection. Cancers, 2022, 14, 2916.	3.7	21
3728	Design and performance of a terahertz Fourier transform spectrometer for axion dark matter experiments. Journal of Instrumentation, 2022, 17, P06014.	1.2	2

#	Article	IF	Citations
3729	The International Bathymetric Chart of the Southern Ocean Version 2. Scientific Data, 2022, 9, .	5.3	28
3730	Age determination of galaxy merger remnant stars using asteroseismology. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2527-2544.	4.4	12
3732	Forest Fire Clustering for single-cell sequencing combines iterative label propagation with parallelized Monte Carlo simulations. Nature Communications, 2022, 13, .	12.8	5
3733	The halo around HD 32297: Î¼m-sized cometary dust. Astronomy and Astrophysics, 2022, 664, A122.	5.1	6
3734	The galactic dust-up: modelling dust evolution in FIRE. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4506-4534.	4.4	12
3735	Statistical mechanical approach of complex networks with weighted links. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 063402.	2.3	3
3736	New globular cluster candidates in the M81 group. Monthly Notices of the Royal Astronomical Society, 2022, 515, 48-70.	4.4	2
3737	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A33.	5.1	23
3738	Using Data Mining Techniques for Detecting Dependencies in the Outcoming Data of a Web-Based System. Applied Sciences (Switzerland), 2022, 12, 6115.	2.5	9
3739	Blandfordâ€"Znajek jets in galaxy formation simulations: exploring the diversity of outflows produced by spin-driven AGN jets in Seyfert galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4535-4559.	4.4	14
3740	Using Open-Access Data to Explore Relations between Urban Landscapes and Diarrhoeal Diseases in CÃ´te dâ€™Ivoire. International Journal of Environmental Research and Public Health, 2022, 19, 7677.	2.6	3
3742	Improving visualization of three-dimensional aneurysm features via segmentation with upsampled resolution and gradient enhancement (SURGE). Journal of NeuroInterventional Surgery, 2023, 15, 760-765.	3.3	1
3745	A new model to describe small-angle neutron scattering from foams. Journal of Applied Crystallography, 2022, 55, 758-768.	4.5	5
3747	PeakTK: An Open Source Toolkit for Peak Forecasting in Energy Systems. , 2022, , .		2
3748	Towards robust calibration models for laser-induced breakdown spectroscopy using unsupervised clustered regression techniques. Results in Optics, 2022, 9, 100245.	2.0	1
3749	The two decades brainclinics research archive for insights in neurophysiology (TDBRAIN) database. Scientific Data, 2022, 9, .	5.3	19
3750	Stability Constrained Characterization of the 23 Myr Old V1298 Tau System: Do Young Planets Form in Mean Motion Resonance Chains?. Astrophysical Journal Letters, 2022, 932, L12.	8.3	9
3751	Boosted support vector machines with genetic selection. Applied Intelligence, 0, , .	5.3	0

#	ARTICLE	IF	CITATIONS
3752	Searching for Anomalies in the ZTF Catalog of Periodic Variable Stars. Astrophysical Journal, 2022, 932, 118.	4.5	4
3753	Molecular dynamics-based descriptors of 3-O-Sulfated Heparan sulfate as contributors of protein binding specificity. Computational Biology and Chemistry, 2022, 99, 107716.	2.3	3
3754	<i>pyXPCSviewer</i>: an open-source interactive tool for X-ray photon correlation spectroscopy visualization and analysis. Journal of Synchrotron Radiation, 2022, 29, 1122-1129.	2.4	6
3755	Intra-abdominal hypertension in cardiac surgery patients: a multicenter observational sub-study of the Accuryn registry. Journal of Clinical Monitoring and Computing, 2023, 37, 189-199.	1.6	15
3756	OSAFT Library: An Open-Source Python Library for Acoustofluidics. Frontiers in Physics, 0, 10, .	2.1	2
3757	Tackling the Unique Challenges of Low-frequency Solar Polarimetry with the Square Kilometre Array Low Precursor: The Algorithm. Astrophysical Journal, 2022, 932, 110.	4.5	8
3758	Realistic synthetic integral field spectroscopy with RealSim-IFS. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2821-2838.	4.4	9
3759	Causal Inference in Time Series in Terms of Rényi Transfer Entropy. Entropy, 2022, 24, 855.	2.2	5
3760	Simulation-guided optimization of granular phononic crystal structure using the discrete element method. Extreme Mechanics Letters, 2022, 55, 101825.	4.1	4
3761	Functional classification and validation of yeast prenylation motifs using machine learning and genetic reporters. PLoS ONE, 2022, 17, e0270128.	2.5	5
3762	Tidal disruption of star clusters in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1065-1077.	4.4	4
3763	Interactive Model Cards: A Human-Centered Approach to Model Documentation. , 2022, , .		21
3764	Multiband Detection of Repeating FRB 20180916B. Astrophysical Journal, 2022, 932, 98.	4.5	12
3765	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. Astrophysical Journal, 2022, 932, 60.	4.5	5
3766	Long-term ice phenology records spanning up to 578 years for 78 lakes around the Northern Hemisphere. Scientific Data, 2022, 9, .	5.3	9
3767	An Optical Spectrum of the Diffuse Galactic Light from BOSS and IRIS. Astrophysical Journal, 2022, 932, 112.	4.5	3
3768	HOTRUNZ: an open-access 1â€°km resolution monthly 1910â€"2019 time series of interpolated temperature and rainfall grids with associated uncertainty for New Zealand. Earth System Science Data, 2022, 14, 2817-2832.	9.9	3
3769	Multiple giant eruptions and X-ray emission in the recoiling AGN/LBV candidate SDSS1133. Monthly Notices of the Royal Astronomical Society, 2022, 515, 110-137.	4.4	4

#	Article	IF	Citations
3770	Are parametrized tests of general relativity with gravitational waves robust to unknown higher post-Newtonian order effects?. Physical Review D, 2022, 105, .	4.7	16
3771	Stellar Halos from the The Dragonfly Edge-on Galaxies Survey. Astrophysical Journal, 2022, 932, 44.	4.5	7
3772	CLIMFILL v0.9: a framework for intelligently gap filling Earth observations. Geoscientific Model Development, 2022, 15, 4569-4596.	3.6	5
3773	Extreme Value Analysis of Ocean Currents in the Mexican Caribbean Based on HYCOM Numerical Model Data. Frontiers in Marine Science, 0, 9, .	2.5	0
3774	Quantitative prediction of variant effects on alternative splicing in MAPT using endogenous pre-messenger RNA structure probing. ELife, 0, 11, .	6.0	6
3775	Impact of monsoon teleconnections on regional rainfall and vegetation dynamics in Haryana, India. Environmental Monitoring and Assessment, 2022, 194, .	2.7	6
3776	LMT/AzTEC observations of Vega. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3815-3820.	4.4	1
3777	The Fornax3D project: intrinsic correlations between orbital properties and the stellar initial mass function. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3660-3669.	4.4	4
3778	Multi-fidelity surrogate modeling through hybrid machine learning for biomechanical and finite element analysis of soft tissues. Computers in Biology and Medicine, 2022, 148, 105699.	7.0	5
3779	CompositeView: A Network-Based Visualization Tool. Big Data and Cognitive Computing, 2022, 6, 66.	4.7	4
3780	World-wide InSAR sensitivity index for landslide deformation tracking. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102829.	1.9	14
3781	Fast and accurate matching of cellular barcodes across short-reads and long-reads of single-cell RNA-seq experiments. IScience, 2022, 25, 104530.	4.1	7
3782	TextCL: A Python package for NLP preprocessing tasks. SoftwareX, 2022, 19, 101122.	2.6	6
3783	Accelerating urban scale simulations leveraging local spatial 3D structure. Journal of Computational Science, 2022, 62, 101741.	2.9	6
3784	Optimising punctual water sampling with an on-the-fly algorithm based on multiparameter high-frequency measurements. Water Research, 2022, 221, 118750.	11.3	0
3785	A new solution strategy for multiparametric quadratic programming. Computers and Chemical Engineering, 2022, 164, 107882.	3.8	2
3786	PCovNet: A presymptomatic COVID-19 detection framework using deep learning model using wearables data. Computers in Biology and Medicine, 2022, 147, 105682.	7.0	17
3787	A surrogate machine learning model for advanced gas-cooled reactor graphite core safety analysis. Nuclear Engineering and Design, 2022, 395, 111842.	1.7	1

#	Article	IF	Citations
3788	The PUMAS library. Computer Physics Communications, 2022, 279, 108438.	7.5	4
3789	TeNeS: Tensor network solver for quantum lattice systems. Computer Physics Communications, 2022, 279, 108437.	7.5	3
3790	gc-ims-tools â€" A new Python package for chemometric analysis of GCâ€"IMS data. Food Chemistry, 2022, 394, 133476.	8.2	15
3791	Insights from Snapshot Spectroscopic Radio Observations of a Weak Type I Solar Noise Storm. Astrophysical Journal, 2021, 920, 11.	4.5	9
3794	Detection of Stroke-Induced Visual Neglect and Target Response Prediction Using Augmented Reality and Electroencephalography. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1840-1850.	4.9	2
3795	Is Encrypted ClientHello a Challenge for Traffic Classification?. IEEE Access, 2022, 10, 77883-77897.	4.2	6
3796	E1D3 U-Net forÂBrain Tumor Segmentation: Submission toÂtheÂRSNA-ASNR-MICCAI BraTS 2021 challenge. Lecture Notes in Computer Science, 2022, , 276-288.	1.3	3
3799	Machine Learning Based Approach to Assess Territorial Marginality. Lecture Notes in Computer Science, 2022, , 292-302.	1.3	13
3800	Modeling Global Solar Radiation Using Machine Learning with Model Selection Approach: A Case Study in Tanzania. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 155-168.	0.7	2
3801	Regional PV Energy Forecasting using Distributed Data and Deep Neural Networks. , 2022, , .		0
3802	Algorithm for Synchronizing the Results of Measurements of the Position of the Electromechanical System and of the emf of the Inductor During Dynamic Operation of the Kibble Balance. Measurement Techniques, 2022, 65, 46-51.	0.6	0
3803	Three-dimensional General-relativistic Simulations of Neutrino-driven Winds from Rotating Proto-neutron Stars. Astrophysical Journal, 2022, 931, 104.	4.5	7
3804	Bridging the Gap: Categorizing Gravitational-wave Events at the Transition between Neutron Stars and Black Holes. Astrophysical Journal, 2022, 931, 108.	4.5	25
3805	Semantic image fuzzing of AI perception systems. , 2022, , .		6
3806	Datastack: Unification of Heterogeneous Machine Learning Dataset Interfaces. , 2022, , .		1
3807	A novel algorithm for high fidelity spectro-polarimetric snapshot imaging of the low-frequency radio Sun using SKA-low precursor. , 2022, , .		0
3808	Half-sibling regression meets exoplanet imaging: PSF modeling and subtraction using a flexible, domain knowledge-driven, causal framework. Astronomy and Astrophysics, 2022, 666, A9.	5.1	7
3809	Jet kinematics in the transversely stratified jet of 3C 84. Astronomy and Astrophysics, 2022, 665, A1.	5.1	4

#	Article	IF	Citations
3810	Pharmacogenomics decision support in the U-PGx project: Results and advice from clinical implementation across seven European countries. PLoS ONE, 2022, 17, e0268534.	2.5	20
3811	Kinematics and Metallicity of Red Giant Branch Stars in the Northeast Shelf of M31*. Astronomical Journal, 2022, 164, 20.	4.7	6
3812	Transit Timing Variations for AU Microscopii b and c. Astronomical Journal, 2022, 164, 27.	4.7	10
3814	Computational Investigation of 2-D Temperature Distribution in Static Liquid Metals Exposed to Steady State Plasmas. Plasma and Fusion Research, 2022, 17, 2405073-2405073.	0.7	0
3815	Confined acoustic line modes within a glide-symmetric waveguide. Scientific Reports, 2022, 12, .	3.3	3
3816	Curvature and temperature-dependent thermal interface conductance between nanoscale-gold and water. Journal of Chemical Physics, 0, , .	3.0	4
3817	Development of a novel human CD147 knock-in NSG mouse model to test SARS-CoV-2 viral infection. Cell and Bioscience, 2022, 12, .	4.8	7
3818	SpeedyIBL: A comprehensive, precise, and fast implementation of instance-based learning theory. Behavior Research Methods, 2023, 55, 1734-1757.	4.0	5
3819	On the formation of massive quiescent galaxies with diverse morphologies in the TNG50 simulation. Monthly Notices of the Royal Astronomical Society, 2022, 515, 213-228.	4.4	16
3820	Abscisic acidâ€controlled redox proteome of <i>Arabidopsis</i> and its regulation by heterotrimeric GÎ² protein. New Phytologist, 2022, 236, 447-463.	7.3	6
3821	Llamaradas Estelares: Modeling the Morphology of White-light Flares. Astronomical Journal, 2022, 164, 17.	4.7	5
3822	Pulsating B stars in the Scorpiusâ€"Centaurus Association with <i>TESS</i>. Monthly Notices of the Royal Astronomical Society, 2022, 515, 828-840.	4.4	11
3823	Could simplified stimuli change how the brain performs visual search tasks? A deep neural network study. Journal of Vision, 2022, 22, 3.	0.3	2
3824	Cosmic star formation history with tomographic cosmic infrared background-galaxy cross-correlation. Astronomy and Astrophysics, 2022, 665, A52.	5.1	3
3826	VERTICO II: How H i-identified Environmental Mechanisms Affect the Molecular Gas in Cluster Galaxies. Astrophysical Journal, 2022, 933, 10.	4.5	17
3827	Shared and specialized coding across posterior cortical areas for dynamic navigation decisions. Neuron, 2022, 110, 2484-2502.e16.	8.1	22
3828	State-dependent activity dynamics of hypothalamic stress effector neurons. ELife, 0, 11, .	6.0	4
3829	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. Astrophysical Journal, 2022, 932, 133.	4.5	33

#	Article	IF	Citations
3830	POTATO: Automated pipeline for batch analysis of optical tweezers data. Biophysical Journal, 2022, 121, 2830-2839.	0.5	4
3831	Mass segregation and dynamics of primordial binaries in star clusters with a radially anisotropic velocity distribution. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1830-1838.	4.4	5
3832	LEGWORK: A Python Package for Computing the Evolution and Detectability of Stellar-origin Gravitational-wave Sources with Space-based Detectors. Astrophysical Journal, Supplement Series, 2022, 260, 52.	7.7	14
3833	An Update on the Future Flyby of Gliese 710 to the Solar System Using Gaia DR3: Flyby Parameters Reproduced, Uncertainties Reduced. Research Notes of the AAS, 2022, 6, 136.	0.7	0
3834	Stone Soup open source framework for tracking and state estimation: enhancements and applications. , 2022, , .		6
3835	Milky Way archaeology using RR Lyrae and type II Cepheids. Astronomy and Astrophysics, 2022, 664, A148.	5.1	5
3836	Generation of Individualized Synthetic Data for Augmentation of the Type 1 Diabetes Data Sets Using Deep Learning Models. Sensors, 2022, 22, 4944.	3.8	7
3837	Blanco DECam Bulge Survey (BDBS). Astronomy and Astrophysics, 2022, 664, A124.	5.1	8
3838	EOS: a software for flavor physics phenomenology. European Physical Journal C, 2022, 82, .	3.9	21
3839	A molecular dynamics investigation of N-glycosylation effects on T-cell receptor kinetics. Journal of Biomolecular Structure and Dynamics, 2023, 41, 5614-5623.	3.5	1
3840	Bias on tensor-to-scalar ratio inference with estimated covariance matrices. Monthly Notices of the Royal Astronomical Society, 2022, 515, 229-236.	4.4	3
3841	The 3D Galactocentric Velocities of Kepler Stars: Marginalizing Over Missing Radial Velocities. Astronomical Journal, 2022, 164, 25.	4.7	2
3842	Simulating quantum repeater strategies for multiple satellites. Communications Physics, 2022, 5, .	5.3	16
3844	Nonequilibrium statistical thermodynamics of multicomponent interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
3845	Towards an understanding of long gamma-ray burst environments through circumstellar medium population synthesis predictions. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
3846	Atacama Cosmology Telescope: Constraints on prerecombination early dark energy. Physical Review D, 2022, 105, .	4.7	59
3847	Two Classes of Gamma-ray Bursts Distinguished within the First Second of Their Prompt Emission. Galaxies, 2022, 10, 78.	3.0	4
3848	EstrellaNueva: An Open-source Software to Study the Interactions and Detection of Neutrinos Emitted by Supernovae. Astrophysical Journal, 2022, 932, 125.	4.5	0

#	Article	IF	Citations
3849	Semantic Visual Segmentation of a Mobile Robot Environment Using Deep Learning Model. , 2022, , .		0
3850	Enhancing bioreactor arrays for automated measurements and reactive control with ReacSight. Nature Communications, 2022, 13, .	12.8	23
3851	*Gaia* DR3 in 6D: the search for fast hypervelocity stars and constraints on the galactic centre environment. Monthly Notices of the Royal Astronomical Society, 2022, 515, 767-774.	4.4	12
3852	Milky Way Satellite Census. IV. Constraints on Decaying Dark Matter from Observations of Milky Way Satellite Galaxies. Astrophysical Journal, 2022, 932, 128.	4.5	16
3853	Monitoring and Managing Lifestyle Behaviors Using Wearable Activity Trackers: Mixed Methods Study of Views From the Huntington Disease Community. JMIR Formative Research, 2022, 6, e36870.	1.4	4
3854	Use of Clinical Pathway Simulation and Machine Learning to Identify Key Levers for Maximizing the Benefit of Intravenous Thrombolysis in Acute Stroke. Stroke, 2022, 53, 2758-2767.	2.0	4
3856	Toward an idiomatic framework for cognitive robotics. Patterns, 2022, 3, 100533.	5.9	3
3857	The POKEMON Speckle Survey of Nearby M Dwarfs. I. New Discoveries. Astronomical Journal, 2022, 164, 33.	4.7	7
3858	The use of hypermodels to understand binary neutron star collisions. Nature Astronomy, 2022, 6, 961-967.	10.1	5
3859	*Gaia* Data Release 3. Astronomy and Astrophysics, 2023, 674, A2.	5.1	53
3860	Binning long reads in metagenomics datasets using composition and coverage information. Algorithms for Molecular Biology, 2022, 17, .	1.2	8
3862	ProtNAff: protein-bound Nucleic Acid filters and fragment libraries. Bioinformatics, 2022, 38, 3911-3917.	4.1	0
3863	Unsupervised real-time evaluation of optical coherence tomography (OCT) images of solid oral dosage forms. Journal of Real-Time Image Processing, 2022, 19, 881-892.	3.5	4
3864	Issues in the automated classification of multilead ecgs using heterogeneous labels and populations. Physiological Measurement, 2022, 43, 084001.	2.1	14
3866	A Photometric Study of Two Contact Binaries: CRTS J025408.1+265957 and CRTS J012111.1+272933. Research in Astronomy and Astrophysics, 2022, 22, 095017.	1.7	4
3867	Estimating genotypic richness and proportion of identical multi-locus genotypes in aquatic microalgal populations. Journal of Plankton Research, 0, , .	1.8	0
3868	Radiomic Features From Diffusion-Weighted MRI of Retroperitoneal Soft-Tissue Sarcomas Are Repeatable and Exhibit Change After Radiotherapy. Frontiers in Oncology, 0, 12, .	2.8	4
3869	A new method to correct for host star variability in multi-epoch observations of exoplanet transmission spectra. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1

#	Article	IF	Citations
3870	Galactic Chemical Evolution of Exoplanet Hosting Stars: Are High-mass Planetary Systems Young?. Astronomical Journal, 2022, 164, 60.	4.7	5
3871	Streamflow modelling and forecasting for Canadian watersheds using LSTM networks with attention mechanism. Neural Computing and Applications, 2022, 34, 19995-20015.	5.6	22
3872	Evaluating the V-band Photometric Metallicity with Fundamental Mode RR Lyrae in the Kepler Field. Astronomical Journal, 2022, 164, 45.	4.7	3
3873	A Hitchhiker's guide through the bioâ€image analysis software universe. FEBS Letters, 2022, 596, 2472-2485.	2.8	20
3874	FiNN: A toolbox for neurophysiological network analysis. Network Neuroscience, 2022, 6, 1205-1218.	2.6	3
3875	COMAP Early Science. IV. Power Spectrum Methodology and Results. Astrophysical Journal, 2022, 933, 185.	4.5	17
3876	Forecasting COVID-19 Epidemic Trends by Combining a Neural Network with Rt Estimation. Entropy, 2022, 24, 929.	2.2	15
3877	Low-wind-effect impact on Shack-Hartmann-based adaptive optics. Astronomy and Astrophysics, 2022, 665, A158.	5.1	2
3879	Model for water infiltration in vegetated soil with preferential flow oriented by plant roots. Plant and Soil, 2022, 478, 709-729.	3.7	6
3880	Multivariate analysis: An essential for studying complex glasses. Journal of the American Ceramic Society, 2022, 105, 7196-7210.	3.8	0
3881	Gaze-dependent evidence accumulation predicts multi-alternative risky choice behaviour. PLoS Computational Biology, 2022, 18, e1010283.	3.2	4
3882	What It Takes to Measure Reionization with Fast Radio Bursts. Astrophysical Journal, 2022, 933, 57.	4.5	8
3883	Detection of relativistic fermions in Weyl semimetal TaAs by magnetostriction measurements. Nature Communications, 2022, 13, .	12.8	3
3884	Longitudinal dynamics of clonal hematopoiesis identifies gene-specific fitness effects. Nature Medicine, 2022, 28, 1439-1446.	30.7	36
3885	Many dissimilar NusG protein domains switch between Î±-helix and Î²-sheet folds. Nature Communications, 2022, 13, .	12.8	20
3887	Blood Pressure Response and Pulse Arrival Time During Exercise Testing in Well-Trained Individuals. Frontiers in Physiology, 0, 13, .	2.8	3
3888	Extracting Human Activity Areas from Large-Scale Spatial Data with Varying Densities. ISPRS International Journal of Geo-Information, 2022, 11, 397.	2.9	0
3889	Who does what to whom? graph representations of action-predication in speech relate to psychopathological dimensions of psychosis. , 2022, 8, .		7

#	ARTICLE	IF	CITATIONS
3890	Kamodo: A functional API for space weather models and data. Journal of Open Source Software, 2022, 7, 4053.	4.6	6
3891	Influence of the Gaiaâ€"Sausageâ€"Enceladus on the Density Shape of the Galactic Stellar Halo Revealed by Halo K Giants from the LAMOST Survey. Astronomical Journal, 2022, 164, 41.	4.7	5
3892	Exploring the Effects of Caputo Fractional Derivative in Spiking Neural Network Training. Electronics (Switzerland), 2022, 11, 2114.	3.1	1
3893	ShapePipe: A new shape measurement pipeline and weak-lensing application to UNIONS/CFIS data. Astronomy and Astrophysics, 0, , .	5.1	4
3894	Rheological identification of jetted fluid using machine learning. Physics of Fluids, 2022, 34, .	4.0	3
3895	Feasibility of wholeâ€genome sequencingâ€based tumor diagnostics in routine pathology practice. Journal of Pathology, 2022, 258, 179-188.	4.5	14
3896	GaiaHub: A Method for Combining Data from the Gaia and Hubble Space Telescopes to Derive Improved Proper Motions for Faint Stars. Astrophysical Journal, 2022, 933, 76.	4.5	11
3897	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A8.	5.1	13
3898	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	4.7	31
3899	Resolving desorption of complex organic molecules in a hot core. Astronomy and Astrophysics, 2022, 665, A96.	5.1	9
3900	Searching for a Hypervelocity White Dwarf SN Ia Companion: A Proper-motion Survey of SN 1006. Astrophysical Journal Letters, 2022, 933, L31.	8.3	7
3901	pyobs - An Observatory Control System for Robotic Telescopes. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	0
3902	ausdex: A Python package for adjusting Australian dollars for inflation. Journal of Open Source Software, 2022, 7, 4212.	4.6	0
3905	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. Astrophysical Journal, 2022, 933, 84.	4.5	2
3906	A â€œHyperburstâ€in the MAXI J0556â€332 Neutron Star: Evidence for a New Type of Thermonuclear Explosion. Astrophysical Journal, 2022, 933, 216.	4.5	7
3907	ENERO: Efficient real-time WAN routing optimization with Deep Reinforcement Learning. Computer Networks, 2022, 214, 109166.	5.1	4
3909	Development of a machine-learning based model for predicting multidimensional outcome after surgery for degenerative disorders of the spine. European Spine Journal, 2022, 31, 2125-2136.	2.2	5
3910	Digitalization of Legacy Datasets and Machine Learning Regression Yields Insights for Reservoir Property Prediction and Submarine-Fan Evolution: A Subsurface Example From the Lewis Shale, Wyoming. The Sedimentary Record, 2022, 20, .	0.6	0

#	Article	IF	Citations
3912	The $\ddot{I}\ddagger$_{eff}â€…âˆâ€…z correlation of field binary black hole mergers and how 3G gravitational-wave detectors can constrain it. Astronomy and Astrophysics, 2022, 665, A59.	5.1	12
3913	CELLoGeNe - An energy landscape framework for logical networks controlling cell decisions. IScience, 2022, 25, 104743.	4.1	1
3915	Thermal suppression of bubble nucleation at first-order phase transitions in the early Universe. Physical Review D, 2022, 106, .	4.7	3
3916	Comparison of Climate Model Large Ensembles With Observations in the Arctic Using Simple Neural Networks. Earth and Space Science, 2022, 9, .	2.6	4
3917	Sorting of Odor Dilutions Is a Meaningful Addition to Assessments of Olfactory Function as Suggested by Machine-Learning-Based Analyses. Journal of Clinical Medicine, 2022, 11, 4012.	2.4	2
3918	Inferring spin tilts at formation from gravitational wave observations of binary black holes: Interfacing precession-averaged and orbit-averaged spin evolution. Physical Review D, 2022, 106, .	4.7	11
3919	1DCSEMQWE: 1D Controlled Source Electromagnetic Method in Geophysics Using Quadrature With Extrapolation. SoftwareX, 2022, 19, 101128.	2.6	0
3920	Fides: Reliable trust-region optimization for parameter estimation of ordinary differential equation models. PLoS Computational Biology, 2022, 18, e1010322.	3.2	11
3921	Open-source software for two-dimensional Fourier processing of gridded magnetic data. The Leading Edge, 2022, 41, 454-461.	0.7	0
3922	Robust Preparation of Wigner-Negative States with Optimized SNAP-Displacement Sequences. PRX Quantum, 2022, 3, .	9.2	19
3923	Effects of CO-dark Gas on Measurements of Molecular Cloud Stability and the Sizeâ€"Linewidth Relationship. Astrophysical Journal, 2022, 933, 179.	4.5	1
3924	CREIMEâ€"A Convolutional Recurrent Model for Earthquake Identification and Magnitude Estimation. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	8
3925	Accuracy and Reproducibility of Above-Water Radiometry With Calibrated Smartphone Cameras Using RAW Data. Frontiers in Remote Sensing, 0, 3, .	3.5	3
3926	Radiolysisâ€Driven Evolution of Gold Nanostructures â€" Model Verification by Scale Bridging In Situ Liquidâ€Phase Transmission Electron Microscopy and Xâ€Ray Diffraction. Advanced Science, 2022, 9, .	11.2	15
3927	Neural network based successor representations to form cognitive mapsÂof space and language. Scientific Reports, 2022, 12, .	3.3	7
3928	Influence of Calcium Carbonate Nanoparticles on the Soil Burial Degradation of Polybutyleneadipate-Co-Butylenetherephthalate Films. Nanomaterials, 2022, 12, 2275.	4.1	5
3929	Optical Observations of the Nearby Type Ia Supernova 2021hpr. Publications of the Astronomical Society of the Pacific, 2022, 134, 074201.	3.1	4
3930	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. Astrophysical Journal, 2022, 933, 134.	4.5	6

#	Article	IF	Citations
3931	Electromagnetic precursor flares from the late inspiral of neutron star binaries. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2710-2724.	4.4	11
3932	Phytoplankton bloom stages estimated from chlorophyll pigment proportions suggest delayed summer production in low sea ice years in the northern Bering Sea. PLoS ONE, 2022, 17, e0267586.	2.5	3
3933	Differential astrometry with <i>Gaia</i>. Astronomy and Astrophysics, 2022, 664, A143.	5.1	1
3934	Adversarial Explanations for Knowledge Graph Embeddings. , 2022, , .		3
3935	BASS. XXV. DR2 Broad-line-based Black Hole Mass Estimates and Biases from Obscuration. Astrophysical Journal, Supplement Series, 2022, 261, 5.	7.7	24
3936	Targeted maximum likelihood estimation of causal effects with interference: A simulation study. Statistics in Medicine, 2022, 41, 4554-4577.	1.6	2
3937	Exploratory Analysis of Serial 18F-fluciclovine PET-CT and Multiparametric MRI during Chemoradiation for Glioblastoma. Cancers, 2022, 14, 3485.	3.7	1
3939	Fast High-Resolution Drawing of Algebraic Curves. , 2022, , .		0
3940	COMAP Early Science. VI. A First Look at the COMAP Galactic Plane Survey. Astrophysical Journal, 2022, 933, 187.	4.5	12
3941	The Time Domain Spectroscopic Survey: Changing-look Quasar Candidates from Multi-epoch Spectroscopy in SDSS-IV. Astrophysical Journal, 2022, 933, 180.	4.5	19
3942	A Python Code for Detecting True Repeating Earthquakes from Self-Similar Waveforms (FINDRES). Seismological Research Letters, 2022, 93, 2847-2857.	1.9	2
3943	Differences in the sub-seasonal predictability of extreme stratospheric events. Weather and Climate Dynamics, 2022, 3, 755-776.	3.5	4
3944	On the Dwarf Irregular Galaxy NGC 6822. I. Young, Intermediate, and Old Stellar Populations. Astrophysical Journal, 2022, 933, 197.	4.5	1
3945	The B-Score is a novel metric for measuring the true performance of blood pressure estimation models. Scientific Reports, 2022, 12, .	3.3	7
3948	ST-T segment changes in prehospital emergency physicians in the field: a prospective observational trial. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2022, 30, .	2.6	3
3949	Decision support through risk cost estimation in 30-day hospital unplanned readmission. PLoS ONE, 2022, 17, e0271331.	2.5	1
3950	A hypometabolic defense strategy against malaria. Cell Metabolism, 2022, 34, 1183-1200.e12.	16.2	10
3951	Introducing EMP-<i>Pathfinder</i>: modelling the simultaneous formation and evolution of stellar clusters in their host galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3144-3180.	4.4	15

#	Article	IF	Citations
3952	Towards Virtual 3D Asset Price Prediction Based on Machine Learning. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 924-948.	5.7	7
3954	Understanding the Role of Explanation Modality in AI-assisted Decision-making. , 2022, , .		1
3955	Comprehensive Assessment of Indian Variations in the Druggable Kinome Landscape Highlights Distinct Insights at the Sequence, Structure and Pharmacogenomic Stratum. Frontiers in Pharmacology, 0, 13, .	3.5	1
3957	Joint reconstruction and segmentation of noisy velocity images as an inverse Navierâ€"Stokes problem. Journal of Fluid Mechanics, 2022, 944, .	3.4	4
3958	KiDS and <i>Euclid</i>: Cosmological implications of a pseudo angular power spectrum analysis of KiDS-1000 cosmic shear tomography. Astronomy and Astrophysics, 2022, 665, A56.	5.1	11
3959	Radiative cooling rates of substituted PAH ions. Journal of Chemical Physics, 2022, 157, .	3.0	4
3960	A Bayesian approach to high-fidelity interferometric calibration â€" I. Mathematical formalism. Monthly Notices of the Royal Astronomical Society, 2022, 517, 910-934.	4.4	3
3961	CACP: Classification Algorithms Comparison Pipeline. SoftwareX, 2022, 19, 101134.	2.6	2
3962	Antenna beam characterization for the global 21-cm experiment LEDA and its impact on signal model parameter reconstruction. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1580-1597.	4.4	8
3963	Impact of massive binary star and cosmic evolution on gravitational wave observations â€" II. Double compact object rates and properties. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5737-5761.	4.4	47
3964	Parameterised population models of transient non-Gaussian noise in the LIGO gravitational-wave detectors. Classical and Quantum Gravity, 2022, 39, 175004.	4.0	14
3965	Stellar metallicity gradients of Local Group dwarf galaxies. Astronomy and Astrophysics, 2022, 665, A92.	5.1	11
3967	Environmental Effects in Herschel Observations of the Ionized Carbon Content of Star-forming Dwarf Galaxies in the Virgo Clusterâ^—. Astronomical Journal, 2022, 164, 44.	4.7	1
3968	Determining Which Binary Component Hosts the TESS Transiting Planet. Astronomical Journal, 2022, 164, 56.	4.7	0
3969	Infrared view of the multiphase ISM in NGC 253. Astronomy and Astrophysics, 2022, 665, A85.	5.1	4
3970	ShapePipe: A modular weak-lensing processing and analysis pipeline. Astronomy and Astrophysics, 2022, 664, A141.	5.1	1
3971	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1942-1972.	4.4	27
3972	Clinical and metagenomic profiling of hormonal acneâ€prone skin in different populations. Journal of Cosmetic Dermatology, 0, , .	1.6	0

#	ARTICLE	IF	CITATIONS
3973	XCast: A python climate forecasting toolkit. Frontiers in Climate, 0, 4, .	2.8	3
3974	Structural Parameters and Possible Association of the Ultra-faint Dwarfs Pegasus III and Pisces II from Deep Hubble Space Telescope Photometry. Astrophysical Journal, 2022, 933, 217.	4.5	5
3975	Automatic classification of hydrodynamic phenomena using their acoustic signature: The example of bubble entrainment during a drop impact. Applied Acoustics, 2022, 196, 108868.	3.3	0
3976	Statistical Drift Detection Ensemble forÂbatchÂprocessing of data streams. Knowledge-Based Systems, 2022, 252, 109380.	7.1	11
3977	Performance of the Low-Rank TT-SVD for Large Dense Tensors on Modern MultiCore CPUs. SIAM Journal of Scientific Computing, 2022, 44, C287-C309.	2.8	2
3978	Metal content of the circumgalactic medium around star-forming galaxies at z â¼ 2.6 as revealed by the VIMOS Ultra-Deep Survey. Astronomy and Astrophysics, 2022, 666, A56.	5.1	4
3979	Detecting inhomogeneous chiral condensation from the bosonic two-point function in the (1 +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50 Mathematical and Theoretical, 2022, 55, 375402.	2.1	6
3980	PSnoD: identifying potential snoRNA-disease associations based on bounded nuclear norm regularization. Briefings in Bioinformatics, 2022, 23, .	6.5	21
3981	Extensive Non-Coding Sequence Divergence Between the Major Human Pathogen Aspergillus fumigatus and its Relatives. Frontiers in Fungal Biology, 0, 3, .	2.0	3
3982	EpyNN: Educational python for Neural Networks. SoftwareX, 2022, 19, 101140.	2.6	0
3983	$Gaia$ Data Release 3. Astronomy and Astrophysics, 2023, 674, A39.	5.1	11
3984	Sticky Pi is a high-frequency smart trap that enables the study of insect circadian activity under natural conditions. PLoS Biology, 2022, 20, e3001689.	5.6	11
3985	Nonlinear Evolution of the Magnetorotational Instability in Eccentric Disks. Astrophysical Journal, 2022, 933, 81.	4.5	3
3986	Coupled slidingâ€"decohesionâ€"compression model for a consistent description of monotonic and fatigue behavior of material interfaces. Computer Methods in Applied Mechanics and Engineering, 2022, 398, 115259.	6.6	12
3987	Impact of calcium ions on the structural and dynamic properties of heparin oligosaccharides by computational analysis. Computational Biology and Chemistry, 2022, 99, 107727.	2.3	1
3988	A mechanistic protrusive-based model for 3D cell migration. European Journal of Cell Biology, 2022, 101, 151255.	3.6	5
3989	Machine learning for prediction of schizophrenia using genetic and demographic factors in the UK biobank. Schizophrenia Research, 2022, 246, 156-164.	2.0	10
3990	A novel method to simulate AVIRIS-NG hyperspectral image from Sentinel-2 image for improved vegetation/wildfire fuel mapping, boreal Alaska. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102891.	1.9	1

#	Article	IF	Citations
3991	Engineering the Neural Automatic Passenger Counter. Engineering Applications of Artificial Intelligence, 2022, 114, 105148.	8.1	1
3992	Physics-informed deep learning: A promising technique for system reliability assessment. Applied Soft Computing Journal, 2022, 126, 109217.	7.2	9
3993	Featurizing chemistry for machine learning â€" methods and a coded example. Current Opinion in Chemical Engineering, 2022, 37, 100840.	7.8	3
3994	Extraction of CRISPR-targeted sequences from the metagenome. STAR Protocols, 2022, 3, 101525.	1.2	0
3995	Robust estimation of 1D shear-wave quality factor profiles for site response analysis using seismic noise. Soil Dynamics and Earthquake Engineering, 2022, 161, 107387.	3.8	1
3996	Vacillating about media bias: Changing oneâ€™s mind intermittently within a network of political allies and opponents. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127829.	2.6	1
3997	Quality of randomness and node dropout regularization for fitting neural networks. Expert Systems With Applications, 2022, 207, 117938.	7.6	11
3998	An eXplainable Artificial Intelligence tool for statistical arbitrage. Software Impacts, 2022, 14, 100354.	1.4	3
3999	Broadband acoustic resonance dissolution spectroscopy of natural edible salts: Visualization and interpretation for descriptive and diagnostic analysis. Journal of Food Composition and Analysis, 2022, 114, 104722.	3.9	0
4000	Dataset of Speech Production in intracranial Electroencephalography. Scientific Data, 2022, 9, .	5.3	10
4001	Py2Cy. , 2022, , .		0
4002	swyft: Truncated Marginal Neural Ratio Estimation in Python. Journal of Open Source Software, 2022, 7, 4205.	4.6	11
4003	Accurate somatic variant detection using weakly supervised deep learning. Nature Communications, 2022, 13, .	12.8	6
4004	Comparison of Real Judo Competition Results with Artificial Neural Networks Method. , 0, , .		0
4005	Joint Profile Characteristics of Long-Latency Transient Evoked and Distortion Otoacoustic Emissions. American Journal of Audiology, 0, , 1-14.	1.2	0
4006	The global seismographic network reveals atmospherically coupled normal modes excited by the 2022 Hunga Tonga eruption. Geophysical Journal International, 2022, 232, 2160-2174.	2.4	12
4007	Integrated mass-loss of evolved stars in M4 using asteroseismology. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3184-3198.	4.4	9
4008	Exploring Jupiter's Polar Deformation Lengths with High-resolution Shallow Water Modeling. Planetary Science Journal, 2022, 3, 166.	3.6	1

#	ARTICLE	IF	CITATIONS
4010	Synthetic Data for Machine Learning and Novel Edge Detection to Measure Particle Size Distributions in TEM. Microscopy and Microanalysis, 2022, 28, 3046-3049.	0.4	0
4012	Response approach to the integrated shear 3-point correlation function: the impact of baryonic effects on small scales. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4639-4654.	4.4	7
4013	The K2 Galactic Archaeology Program: Overview, target selection, and survey properties. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1970-1987.	4.4	1
4014	On the inconsistency of [C/Fe] abundances and the fractions of carbon-enhanced metal-poor stars among various stellar surveys. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4082-4098.	4.4	15
4016	An Old, Metal-rich Accreted Stellar Component in the Milky Way Stellar Disk. Astrophysical Journal, 2022, 934, 21.	4.5	4
4017	The Warps and Wefts of a Polyploidy Complex: Integrative Species Delimitation of the Diploid Leucanthemum (Compositae, Anthemideae) Representatives. Plants, 2022, 11, 1878.	3.5	7
4018	The TESS Grand Unified Hot Jupiter Survey. I. Ten TESS Planets. Astronomical Journal, 2022, 164, 70.	4.7	9
4019	An orbital perspective on the starvation, stripping, and quenching of satellite galaxies in the <scp>eagle</scp> simulations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2891-2912.	4.4	11
4020	An Overview of CHIME, the Canadian Hydrogen Intensity Mapping Experiment. Astrophysical Journal, Supplement Series, 2022, 261, 29.	7.7	38
4021	Long-term functioning status of COVID-19 survivors: a prospective observational evaluation of a cohort of patients surviving hospitalisation. BMJ Open, 2022, 12, e057246.	1.9	12
4022	Observational Evidence for a Spin-up Line in the P–Ṗ Diagram of Millisecond Pulsars. Astrophysical Journal Letters, 2022, 934, L2.	8.3	2
4023	Water UV-shielding in the Terrestrial Planet-forming Zone: Implications for Oxygen-18 Isotope Anomalies in $H_2^{18}O$ Infrared Emission and Meteorites. Astrophysical Journal Letters, 2022, 934, L14.	8.3	4
4024	Unfolding the genotype-to-phenotype black box of cardiovascular diseases through cross-scale modeling. IScience, 2022, 25, 104790.	4.1	1
4025	Qudi-HiM: an open-source acquisition software package for highly multiplexed sequential and combinatorial optical imaging. Open Research Europe, 0, 2, 46.	2.0	6
4026	Cosmic Ray rejection with attention augmented deep learning. Astronomy and Computing, 2022, 40, 100625.	1.7	1
4027	Development of dual reporter vector system for estimating translational activity of regulatory elements. BMC Plant Biology, 2022, 22, .	3.6	0
4028	A Machine Learning Tutorial for Operational Meteorology. Part I: Traditional Machine Learning. Weather and Forecasting, 2022, 37, 1509-1529.	1.4	15
4029	Structural and Dynamical Analysis of the Quiescent Molecular Ridge in the Large Magellanic Cloud. Astronomical Journal, 2022, 164, 64.	4.7	3

#	Article	IF	Citations
4030	Modulating CRISPR-Cas Genome Editing Using Guide-Complementary DNA Oligonucleotides. CRISPR Journal, 2022, 5, 571-585.	2.9	0
4031	Milky Way mass with K giants and BHB stars using LAMOST, SDSS/SEGUE, and <i>Gaia</i>: 3D spherical Jeans equationÂand tracer mass estimator. Monthly Notices of the Royal Astronomical Society, 2022, 516, 731-748.	4.4	16
4032	Motif models proposing independent and interdependent impacts of nucleotides are related to high and low affinity transcription factor binding sites in Arabidopsis. Frontiers in Plant Science, 0, 13, .	3.6	4
4033	Beyond the Local Volume. II. Population Scaleheights and Ages of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields. Astrophysical Journal, 2022, 934, 73.	4.5	4
4034	Testing the homogeneity of type Ia Supernovae in near-infrared for accurate distance estimations. Astronomy and Astrophysics, 0, , .	5.1	4
4035	Characterization of portuguese sown rainfed grasslands using remote sensing and machine learning. Precision Agriculture, 2023, 24, 161-186.	6.0	3
4037	Global and precise identification of functional <scp>miRNA</scp> targets in <scp>mESCs</scp> by integrative analysis. EMBO Reports, 2022, 23, .	4.5	5
4038	Two-year-long high-time-resolution apportionment of primary and secondary carbonaceous aerosols in the Los Angeles Basin using an advanced total carbonâ€"black carbon (TC-BC(Î»)) method. Science of the Total Environment, 2022, 848, 157606.	8.0	13
4039	The neural response at the fundamental frequency of speech is modulated by word-level acoustic and linguistic information. Frontiers in Neuroscience, 0, 16, .	2.8	10
4040	On the generation of realistic synthetic petrographic datasets using a style-based GAN. Scientific Reports, 2022, 12, .	3.3	10
4043	Connecting the Light Curves of Type IIP Supernovae to the Properties of Their Progenitors. Astrophysical Journal, 2022, 934, 67.	4.5	6
4044	A visible-light Lyot coronagraph for SCExAO/VAMPIRES. , 2022, , .		0
4045	Privacy-Preserving Deep Learning With Homomorphic Encryption: An Introduction. IEEE Computational Intelligence Magazine, 2022, 17, 14-25.	3.2	20
4046	Protocol for using Ciclops to build models trained on cross-platform transcriptome data for clinical outcome prediction. STAR Protocols, 2022, 3, 101583.	1.2	0
4047	Weather impact quantification on airport arrival on-time performance through a Bayesian statistics modeling approach. Transportation Research Part C: Emerging Technologies, 2022, 143, 103811.	7.6	3
4048	Application of automated image colour analyses for the early-prediction of strawberry development and quality.. Scientia Horticulturae, 2022, 304, 111316.	3.6	6
4049	SuperScreen: An open-source package for simulating the magnetic response of two-dimensional superconducting devices. Computer Physics Communications, 2022, 280, 108464.	7.5	6
4050	The TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI). II. Moist Casesâ€"The Two Waterworlds. Planetary Science Journal, 2022, 3, 212.	3.6	34

#	Article	IF	Citations
4051	Machine Learning Based Forward Solver: An Automatic Framework in gprMax. , 2021, , .		3
4052	The Effect of Points Dispersion on the *k*-nn Search in Random Projection Forests. IEEE Access, 2022, 10, 80858-80868.	4.2	2
4053	Splice: An Automated Framework for Cost-and Performance-Aware Blending of Cloud Services. , 2022, , .		3
4054	Face Recognition Systems: Are you sure they only consider your face?. , 2022, , .		0
4055	OMB-Py: Python Micro-Benchmarks for Evaluating Performance of MPI Libraries on HPC Systems. , 2022, , .		4
4056	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs. Astrophysical Journal, 2022, 935, 1.	4.5	36
4057	Contactless respiratory rate estimation from video in a real-life clinical environment using Eulerian magnification and 3D CNNs. , 2022, , .		3
4058	AQP. , 2022, , .		0
4059	An Approach to DC-DC Converter Optimization using Machine Learning-based Component Models. , 2022, , .		6
4060	A TinyML approach to non-repudiable anomaly detection in extreme industrial environments. , 2022, , .		8
4061	Companion mass limits for 17 binary systems obtained with binary differential imaging and MagAO/Clio. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4487-4504.	4.4	2
4062	PTRAIL â€" A python package for parallel trajectory data preprocessing. SoftwareX, 2022, 19, 101176.	2.6	4
4063	Strains Associated with Two 2020 Welder Anthrax Cases in the United States Belong to Separate Lineages within Bacillus cereus sensu lato. Pathogens, 2022, 11, 856.	2.8	2
4065	The Origin of the [C ii] Deficit in a Simulated Dwarf Galaxy Merger-driven Starburst. Astrophysical Journal, 2022, 934, 115.	4.5	4
4066	MetPy: A Meteorological Python Library for Data Analysis and Visualization. Bulletin of the American Meteorological Society, 2022, 103, E2273-E2284.	3.3	19
4067	Photometric Metallicity Prediction of Fundamental-mode RR Lyrae Stars in the Gaia Optical and K_s Infrared Wave Bands by Deep Learning. Astrophysical Journal, Supplement Series, 2022, 261, 33.	7.7	5
4069	Cheater suppression and stochastic clearance through quorum sensing. PLoS Computational Biology, 2022, 18, e1010292.	3.2	1
4070	Flow-based sampling in the lattice Schwinger model at criticality. Physical Review D, 2022, 106, .	4.7	15

#	Article	IF	Citations
4071	Dynamical generation of chiral ‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"›‹mml:mi›W‹/mml:mi›‹/mml:math› and Greenberger-Horne-Zeilinger states in laser-controlled Rydberg-atom trimers. Physical Review Research, 2022, 4, .	3.6	8
4072	A Spatial Long-Term Trend Analysis of Estimated Chlorophyll-a Concentrations in Utah Lake Using Earth Observation Data. Remote Sensing, 2022, 14, 3664.	4.0	3
4073	En-GARD: A Statistical Downscaling Framework to Produce and Test Large Ensembles of Climate Projections. Journal of Hydrometeorology, 2022, 23, 1545-1561.	1.9	2
4074	Evaluation of lumbar medial branch blocks: how does the second block influence progression to radiofrequency ablation?. Regional Anesthesia and Pain Medicine, 2022, 47, 719-721.	2.3	2
4075	Flexible and efficient simulation-based inference for models of decision-making. ELife, 0, 11, .	6.0	16
4076	LLWPâ€"A new Loomis-Wood software at the example of Acetone-13C1. Journal of Molecular Spectroscopy, 2022, 388, 111674.	1.2	3
4077	HÎ± and Continuum Sizes with the HST/WFC3 G141 GRISM: Outside-in Quenching for zâ€‰=â€‰1.0â€"1.4 Fast Quenchers. Research Notes of the AAS, 2022, 6, 150.	0.7	1
4078	Are the host galaxies of long gamma-ray bursts more compact than star-forming galaxies of the field?. Astronomy and Astrophysics, 2022, 666, A14.	5.1	5
4079	The Nebular Properties of Star-forming Galaxies at Intermediate Redshift from the Large Early Galaxy Astrophysics Census. Astrophysical Journal, 2022, 934, 81.	4.5	3
4080	Seismoacoustic Study of Thunder and Lightning Using the AlpArray. Seismological Research Letters, 2022, 93, 3404-3421.	1.9	2
4081	Turbulence in Milky Way Star-forming Regions Traced by Young Stars and Gas. Astrophysical Journal, 2022, 934, 7.	4.5	13
4082	A galaxy-driven model of type Ia supernova luminosity variations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4587-4605.	4.4	11
4083	Haplotype and population structure inference using neural networks in whole-genome sequencing data. Genome Research, 2022, 32, 1542-1552.	5.5	10
4084	pyCSEP: A Python Toolkit for Earthquake Forecast Developers. Seismological Research Letters, 2022, 93, 2858-2870.	1.9	10
4085	Open-Source Browser-Based Tools for Structure-Based Computer-Aided Drug Discovery. Molecules, 2022, 27, 4623.	3.8	5
4086	Dust Grain Growth and Dusty Supernovae in Low-metallicity Molecular Clouds. Astrophysical Journal, 2022, 934, 51.	4.5	2
4087	A fast algorithm for spatiotemporal signals recovery using arbitrary dictionaries with application to electrocardiographic imaging. Biomedical Physics and Engineering Express, 0, , .	1.2	0
4089	Transition to turbulence in nonuniform coronal loops driven by torsional AlfvÃ©n waves. II. Extended analysis and effect of magnetic twist. Astronomy and Astrophysics, 0, , .	5.1	0

#	Article	IF	Citations
4090	Deeper Insight into Photopolymerization: The Synergy of Time-Resolved Nonuniform Sampling and Diffusion NMR. Journal of the American Chemical Society, 2022, 144, 13938-13945.	13.7	3
4091	Forming iron-rich planets with giant impacts. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3132-3143.	4.4	7
4092	Open-Source Radiative Modeling Tools for Extragalactic VHE Gamma-ray Sources. Galaxies, 2022, 10, 85.	3.0	0
4093	Heliospheric Compression Due to Recent Nearby Supernova Explosions. Astrophysical Journal, 2022, 934, 32.	4.5	6
4094	A Novel Solution for Resonant Scattering Using Self-consistent Boundary Conditions. Astrophysical Journal, 2022, 934, 37.	4.5	0
4095	Automatic Parameter Calibration of Two Advanced Constitutive Models. Lecture Notes in Civil Engineering, 2023, , 110-117.	0.4	2
4096	An Improved Greedy Algorithm for Subset Selection in Linear Estimation. , 2022, , .		2
4098	Network States Classification based on Local Field Potential Recordings in the Awake Mouse Neocortex. ENeuro, 2022, 9, ENEURO.0073-22.2022.	1.9	1
4099	Benchmarking several strategies to update the penalty parameters in AL-CMA-ES on the bbob-constrained testbed. , 2022, , .		0
4100	Redshift and stellar mass dependence of intrinsic shapes of disc-dominated galaxies from COSMOS observations below zÂ= 1.0. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3603-3631.	4.4	1
4101	Evidence for subdominant multipole moments and precession in merging black-hole-binaries from GWTC-2.1. Physical Review D, 2022, 106, .	4.7	12
4102	Graph Properties of Mass-Difference Networks for Profiling and Discrimination in Untargeted Metabolomics. Frontiers in Molecular Biosciences, 0, 9, .	3.5	3
4103	Streamlining experiment design in cognitive hearing science using OpenSesame. Behavior Research Methods, 0, , .	4.0	0
4104	Inference of the cosmic rest-frame from supernovae Ia. Astronomy and Astrophysics, 2022, 668, A34.	5.1	16
4105	Using Machine Learning and Behavioral Patterns Observed by Automated Feeders and Accelerometers for the Early Indication of Clinical Bovine Respiratory Disease Status in Preweaned Dairy Calves. Frontiers in Animal Science, 0, 3, .	1.9	10
4106	The Linear Algebra Mapping Problem. Current State of Linear Algebra Languages and Libraries. ACM Transactions on Mathematical Software, 2022, 48, 1-30.	2.9	2
4107	Estrogens rapidly shape synaptic and intrinsic properties to regulate the temporal precision of songbird auditory neurons. Cerebral Cortex, 2023, 33, 3401-3420.	2.9	3
4108	Starmatrix: Modelling nucleosynthesis of galactic chemical elements. Journal of Open Source Software, 2022, 7, 4461.	4.6	1

#	Article	IF	Citations
4109	Implicit Likelihood Inference of Reionization Parameters from the 21 cm Power Spectrum. Astrophysical Journal, 2022, 933, 236.	4.5	12
4110	Finite-Size Effects in Simulations of Peptide/Lipid Assembly. Journal of Membrane Biology, 2022, 255, 437-449.	2.1	3
4111	A Publicly Available Multiobservatory Data Set of an Enhanced Network Patch from the Photosphere to the Corona. Astrophysical Journal, Supplement Series, 2022, 261, 15.	7.7	2
4112	Discovery of the Anticancer Activity for Lung and Gastric Cancer of a Brominated Coelenteramine Analog. International Journal of Molecular Sciences, 2022, 23, 8271.	4.1	10
4114	Kinematics and mass distributions for non-spherical deprojected Sérsic density profiles and applications to multi-component galactic systems. Astronomy and Astrophysics, 0, , .	5.1	0
4115	Approximating the Manifold Structure of Attributed Incentive Salience from Large-scale Behavioural Data. Computational Brain & Behavior, 0, , .	1.7	0
4116	Investigating the link between inner gravitational potential and star-formation quenching in CALIFA galaxies. Astronomy and Astrophysics, 0, , .	5.1	4
4117	Large-scale Hydrodynamical Shocks as the Smoking-gun Evidence for a Bar in M31. Astrophysical Journal, 2022, 933, 233.	4.5	3
4118	Inverse-Compton scattering of the cosmic infrared background. Physical Review D, 2022, 106, .	4.7	3
4120	The Structure of Chaos: An Empirical Comparison of Fractal Physiology Complexity Indices Using NeuroKit2. Entropy, 2022, 24, 1036.	2.2	1
4121	High-fidelity eye, head, body, and world tracking with a wearable device. Behavior Research Methods, 2024, 56, 32-42.	4.0	3
4122	Fuzzy dark matter and the Dark Energy Survey Year 1 data. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5646-5664.	4.4	21
4123	Chemical abundance of LINER galaxies â€“ metallicity calibrations based on SDSS-IV MaNGA. Monthly Notices of the Royal Astronomical Society, 2022, 515, 6093-6108.	4.4	4
4125	Photometric redshifts from SDSS images with an interpretable deep capsule network. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5285-5305.	4.4	7
4126	From Images to Hydrologic Networks - Understanding the Arctic Landscape with Graphs. , 2022, , .		2
4127	The giant mimivirus 1.2 Mb genome is elegantly organized into a 30-nm diameter helical protein shield. ELife, 0, 11, .	6.0	15
4128	Stirring the base of the solar wind: On heat transfer and vortex formation. Astronomy and Astrophysics, 2022, 665, A118.	5.1	6
4129	Energy balance and Alfvén Mach numbers in compressible magnetohydrodynamic turbulence with a large-scale magnetic field. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5267-5284.	4.4	10

#	ARTICLE	IF	CITATIONS
4130	Discovery of Faint Double-peak HÎ± Emission in the Halo of Low Redshift Galaxies. Astrophysical Journal, 2022, 934, 100.	4.5	3
4131	Bridging Optical and Far-infrared Emission-line Diagrams of Galaxies from Local to the Epoch of Reionization: Characteristic High [O iii] 88 Î¼m/SFR at z > 6. Astrophysical Journal, 2022, 935, 119.	4.5	13
4132	Personalized survival probabilities for SARS-CoV-2 positive patients by explainable machine learning. Scientific Reports, 2022, 12, .	3.3	0
4133	3D Selection of 167 Substellar Companions to Nearby Stars. Astrophysical Journal, Supplement Series, 2022, 262, 21.	7.7	27
4134	Distributed YSOs in the Perseus Molecular Cloud from the Gaia and LAMOST Surveys. Astrophysical Journal, 2022, 936, 23.	4.5	6
4135	The Galactic underworld: the spatial distribution of compact remnants. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4971-4979.	4.4	4
4136	Surface Reconstruction from Point Clouds without Normals by Parametrizing the Gauss Formula. ACM Transactions on Graphics, 2023, 42, 1-19.	7.2	4
4137	Properties and biases of the global heat flow compilation. Frontiers in Earth Science, 0, 10, .	1.8	2
4138	Impact of relativistic corrections on the detectability of dark-matter spikes with gravitational waves. Physical Review D, 2022, 106, .	4.7	18
4139	The galaxy power spectrum on the lightcone: deep, wide-angle redshift surveys and the turnover scale. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	1
4140	Environmental effects on the dynamical evolution of star clusters in turbulent molecular clouds. Astronomy and Astrophysics, 2022, 667, A69.	5.1	1
4141	LyÎ± Halos around [O iii]-selected Galaxies in HETDEX. Astrophysical Journal Letters, 2022, 934, L26.	8.3	7
4142	Quasi-Entropy Closure: a fast and reliable approach to close the moment equations of the Chemical Master Equation. Bioinformatics, 2022, 38, 4352-4359.	4.1	4
4143	Uncertainty Analysis of Business Interruption Losses in the Philippines Due to the COVID-19 Pandemic. Economies, 2022, 10, 202.	2.5	5
4144	Compton-thick AGN in the NuSTAR Era. VIII. A joint NuSTARâ€"XMM-Newton Monitoring of the Changing-look Compton-thick AGN NGC 1358. Astrophysical Journal, 2022, 935, 114.	4.5	5
4146	RJ-plots: An improved method to classify structures objectively. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
4148	Ability-Based Methods for Personalized Keyboard Generation. Multimodal Technologies and Interaction, 2022, 6, 67.	2.5	1
4149	Peripheral gene interactions define interpretable clusters of core ASD genes in a network-based investigation of the omnigenic theory. Npj Systems Biology and Applications, 2022, 8, .	3.0	1

#	Article	IF	Citations
4150	Algorithm and hyperparameter optimizations for hetero-device classification by near-infrared spectra of falsified and substandard amoxicillin capsules. Analytical Sciences, 0, , .	1.6	2
4151	Accelerating Real-Time Coupled Cluster Methods with Single-Precision Arithmetic and Adaptive Numerical Integration. Journal of Chemical Theory and Computation, 2022, 18, 5479-5491.	5.3	12
4153	Exploring metallicity-dependent rates of Type Ia supernovae and their impact on galaxy formation. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1941-1958.	4.4	12
4154	Excitation of vertical breathing motion in disc galaxies by tidally-induced spirals in fly-by interactions. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1114-1126.	4.4	12
4155	Competition between CO_2-philicity and Mixing Entropy Leads to CO_2 Solubility Maximum in Polyether Polyols. Industrial & Engineering Chemistry Research, 0, , .	3.7	1
4156	Constrained Reference Star Differential Imaging: Enabling High-fidelity Imagery of Highly Structured Circumstellar Disks *. Astrophysical Journal Letters, 2022, 935, L25.	8.3	5
4157	Charge delocalization error in Piris natural orbital functionals. Journal of Chemical Physics, 2022, 157, .	3.0	5
4158	The TESS–Keck Survey. XIII. An Eccentric Hot Neptune with a Similar-mass Outer Companion around TOI-1272. Astronomical Journal, 2022, 164, 97.	4.7	1
4159	Recent arrivals to the main asteroid belt. Celestial Mechanics and Dynamical Astronomy, 2022, 134, .	1.4	0
4160	Pointwise Visual Field Estimation From Optical Coherence Tomography in Glaucoma Using Deep Learning. Translational Vision Science and Technology, 2022, 11, 22.	2.2	9
4161	Bridging the Gap Between Certification and Software Development. , 2022, , .		2
4162	A Reliable Calibration of H ii Galaxies Hubble Diagram with Cosmic Chronometers and Artificial Neural Network. Astrophysical Journal, 2022, 936, 21.	4.5	3
4163	AGN-driven Cold Gas Outflow of NGC 1068 Characterized by Dissociation-sensitive Molecules. Astrophysical Journal, 2022, 935, 155.	4.5	8
4164	Characterizing instrumental noise and stochastic gravitational wave signals from combined time-delay interferometry. Physical Review D, 2022, 106, .	4.7	5
4165	A universal model for the evolution of tidally stripped systems. Monthly Notices of the Royal Astronomical Society, 2022, 516, 106-123.	4.4	3
4166	Local Wind Regime Induced by Giant Linear Dunes: Comparison of ERA5-Land Reanalysis with Surface Measurements. Boundary-Layer Meteorology, 2022, 185, 309-332.	2.3	4
4167	Molecular flows in contemporary active galaxies and the efficacy of radio-mechanical feedback. Monthly Notices of the Royal Astronomical Society, 2022, 516, 861-882.	4.4	6
4168	Measurements of the Hubble Constant with a Two-rung Distance Ladder: Two Out of Three Ain't Bad. Astrophysical Journal, 2022, 935, 83.	4.5	11

#	Article	IF	Citations
4169	Study of base-catalyzed isomerization of d-glucose with a focus on reaction kinetics. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 2357-2377.	1.7	10
4170	Aura-3D: A Three-dimensional Atmospheric Retrieval Framework for Exoplanet Transmission Spectra. Astrophysical Journal, 2022, 935, 73.	4.5	11
4171	How much water can bioretention retain, and where does it go?. Blue-Green Systems, 2022, 4, 89-107.	2.0	4
4172	J-PLUS: Discovery and characterisation of ultracool dwarfs using Virtual Observatory tools. II. Second data release and machine learning methodology. Astronomy and Astrophysics, 0, , .	5.1	0
4173	Kinematic Structure of the Large Magellanic Cloud Globular Cluster System from Gaia eDR3 and Hubble Space Telescope Proper Motions. Astrophysical Journal, 2022, 935, 149.	4.5	6
4174	Highdicom: a Python Library for Standardized Encoding of Image Annotations and Machine Learning Model Outputs in Pathology and Radiology. Journal of Digital Imaging, 2022, 35, 1719-1737.	2.9	8
4175	Chandra Observations of Six Peter Pan Disks: Diversity of X-Ray-driven Internal Photoevaporation Rates Does Not Explain Their Rare Longevity. Astrophysical Journal, 2022, 935, 111.	4.5	0
4176	Epithelial cells sacrifice excess area to preserve fluidity in response to external mechanical stress. Communications Biology, 2022, 5, .	4.4	1
4177	Constraining Nucleosynthesis in Neutrino-driven Winds: Observations, Simulations, and Nuclear Physics. Astrophysical Journal, 2022, 935, 27.	4.5	12
4178	An estimate of the mass of the Milky Way from the Magellanic Stream. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1737-1749.	4.4	3
4179	Clustering redshifts with the 21cm-galaxy cross-bispectrum. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3029-3048.	4.4	1
4180	HabitEst3D: A User-Friendly Software for Estimating Mixed Crystal Habits from Two-Dimensional Sections in Igneous Rocks. Minerals (Basel, Switzerland), 2022, 12, 1001.	2.0	2
4181	Energetic output of the 2022 Hunga Tongaâ€"Hunga Haâ€˜apai volcanic eruption from pressure measurements. Shock Waves, 2022, 32, 553-561.	1.9	11
4182	Dark Energy Survey year 3 results: Constraints on cosmological parameters and galaxy-bias models from galaxy clustering and galaxy-galaxy lensing using the redMaGiC sample. Physical Review D, 2022, 106, .	4.7	33
4184	GRB 201104A: A â€œRepetitiveâ€•Short Gamma-Ray Burst?. Astrophysical Journal, 2022, 935, 179.	4.5	2
4185	pyFFS: A Python Library for Fast Fourier Series Computation and Interpolation with GPU Acceleration. SIAM Journal of Scientific Computing, 2022, 44, C346-C366.	2.8	1
4186	GaMPEN: A Machine-learning Framework for Estimating Bayesian Posteriors of Galaxy Morphological Parameters. Astrophysical Journal, 2022, 935, 138.	4.5	5
4187	Modeling the Gamma-Ray Burst Jet Properties with 3D General Relativistic Simulations of Magnetically Arrested Accretion Flows. Astrophysical Journal, 2022, 935, 176.	4.5	1

#	Article	IF	Citations
4189	Evaluating the prevalence of spurious correlations in pulsar timing array data sets. Monthly Notices of the Royal Astronomical Society, 2022, 516, 410-420.	4.4	16
4191	Continuum source catalog for the first APERTIF data release. Astronomy and Astrophysics, 2022, 667, A39.	5.1	7
4192	Teaching Monte Carlo Simulation with Python. Journal of Statistics and Data Science Education, 0, , 1-18.	1.6	1
4193	TOI-1452 b: SPIRou and TESS Reveal a Super-Earth in a Temperate Orbit Transiting an M4 Dwarf. Astronomical Journal, 2022, 164, 96.	4.7	21
4194	Evolution of AM CVn Binaries with White Dwarf Donors. Astrophysical Journal, 2022, 935, 9.	4.5	6
4195	Feature fusion based machine learning pipeline to improve breast cancer prediction. Multimedia Tools and Applications, 2022, 81, 37627-37655.	3.9	2
4196	Exploring time series of hyperspectral images for cold water coral stress response analysis. PLoS ONE, 2022, 17, e0272408.	2.5	1
4197	Neutral Stellar Winds toward the High-mass Star-forming Region G176.51+00.20. Astrophysical Journal, 2022, 935, 153.	4.5	0
4198	Attitude Determination in Space with Ambient Light Sensors using Machine Learning for Solar Cell Characterization. Solar Rrl, 2022, 6, .	5.8	2
4199	jVMC: Versatile and performant variational Monte Carlo leveraging automated differentiation and GPU acceleration. , 0, , .		5
4200	External or internal companion exciting the spiral arms in CQ Tau?. Monthly Notices of the Royal Astronomical Society, 2022, 515, 6109-6121.	4.4	4
4201	The hadronic running of the electromagnetic coupling and the electroweak mixing angle from lattice QCD. Journal of High Energy Physics, 2022, 2022, .	4.7	20
4202	Sighted particles: improving swarm optimization by making particles aware of their surroundings. Evolutionary Intelligence, 0, , .	3.6	0
4203	Sediments in Sea Ice Drive the Canada Basin Surface Mn Maximum: Insights From an Arctic Mn Ocean Model. Global Biogeochemical Cycles, 2022, 36, .	4.9	5
4204	Quantum Simulation of Molecular Electronic States with a Transcorrelated Hamiltonian: Higher Accuracy with Fewer Qubits. Journal of Chemical Theory and Computation, 2022, 18, 5312-5324.	5.3	18
4205	Exploring the physical properties of lensed star-forming clumps at 2 â‰² z â‰² 6. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3532-3555.	4.4	21
4206	floodlight - A high-level, data-driven sports analytics framework. Journal of Open Source Software, 2022, 7, 4588.	4.6	8
4208	Taxonomic classification of DNA sequences beyond sequence similarity using deep neural networks. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22

#	ARTICLE	IF	CITATIONS
4209	Image segmentation and separation of spectrally similar dyes in fluorescence microscopy by dynamic mode decomposition of photobleaching kinetics. BMC Bioinformatics, 2022, 23, .	2.6	1
4210	Physical Characterization of 2015 JD$_1$: A Possibly Inhomogeneous Near-Earth Asteroid. Planetary Science Journal, 2022, 3, 189.	3.6	2
4211	Protein diffusion in *Escherichia coli* cytoplasm scales with the mass of the complexes and is location dependent. Science Advances, 2022, 8, .	10.3	22
4212	Atomic Gas Dominates the Baryonic Mass of Star-forming Galaxies at z â‰ˆ 1.3. Astrophysical Journal Letters, 2022, 935, L5.	8.3	9
4213	Implicit Biases in Transit Models Using Stellar Pseudo Density. Astronomical Journal, 2022, 164, 92.	4.7	3
4214	The Morpho-kinematic Architecture of Super Star Clusters in the Center of NGC 253. Astrophysical Journal, 2022, 935, 19.	4.5	9
4215	UnROOT: an I/O library for the CERN ROOT file format written in Julia. Journal of Open Source Software, 2022, 7, 4452.	4.6	2
4216	Metagenomics versus total RNA sequencing: most accurate data-processing tools, microbial identification accuracy and perspectives for ecological assessments. Nucleic Acids Research, 2022, 50, 9279-9293.	14.5	17
4217	Exhaustive Mapping of the Conformational Space of Natural Dipeptides by the DFT-D3//COSMO-RS Method. Journal of Physical Chemistry B, 2022, 126, 5949-5958.	2.6	4
4218	Ground-State Properties of Metallic Solids from Ab Initio Coupled-Cluster Theory. Journal of Physical Chemistry Letters, 2022, 13, 7497-7503.	4.6	11
4220	Comparison of Cosine, Modified Cosine, and Neutral Loss Based Spectrum Alignment For Discovery of Structurally Related Molecules. Journal of the American Society for Mass Spectrometry, 2022, 33, 1733-1744.	2.8	21
4221	Observational window effects on multi-object reverberation mapping. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3238-3253.	4.4	2
4222	A Salvaging Strategy Enables Stable Metabolite Provisioning among Free-Living Bacteria. MSystems, 2022, 7, .	3.8	8
4223	An attention-based temporal convolutional network for rodent sleep stage classification across species, mutants and experimental environments with single-channel electroencephalogram. Physiological Measurement, 2022, 43, 085002.	2.1	2
4225	Artificial Intelligence-Based Medical Data Mining. Journal of Personalized Medicine, 2022, 12, 1359.	2.5	12
4227	Microgravity Change During the 2008â€"2018 KÄ±Ì„lauea Summit Eruption: Nearly a Decade of Subsurface Mass Accumulation. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	3
4228	Structure of a fully assembled tumor-specific T cell receptor ligated by pMHC. Cell, 2022, 185, 3201-3213.e19.	28.9	40
4229	Synthesizing Stellar Populations in South Pole Telescope Galaxy Clusters. I. Ages of Quiescent Member Galaxies at 0.3 < z < 1.4. Astrophysical Journal, 2022, 934, 177.	4.5	9

#	Article	IF	Citations
4230	Structure-activity relationships of mitochondria-targeted tetrapeptide pharmacological compounds. ELife, 0, 11, .	6.0	7
4231	Automatic derivation of many-body theories based on general Fermi vacua. Journal of Chemical Physics, 2022, 157, 064111.	3.0	3
4232	GIGA-Lens: Fast Bayesian Inference for Strong Gravitational Lens Modeling. Astrophysical Journal, 2022, 935, 49.	4.5	14
4233	Bias and priors in machine learning calibrations for high energy physics. Physical Review D, 2022, 106, .	4.7	1
4234	Cosmic-ray-induced H_2 line emission. Astronomy and Astrophysics, 2022, 664, A150.	5.1	4
4235	Mining S-PLUS for Metal-poor Stars in the Milky Way. Astrophysical Journal, Supplement Series, 2022, 262, 8.	7.7	8
4236	Photochemical environmental persistence of venlafaxine in an urban water reservoir: A combined experimental and computational investigation. Chemical Engineering Research and Design, 2022, 166, 478-490.	5.6	8
4237	The sensitivity of the redshift distribution to galaxy demographics. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4238	Association strength of E6 to E6AP/p53 complex correlates with HPVâ€mediated oncogenesis risk. Biopolymers, 2022, 113, .	2.4	1
4239	Gridded land use data for the conterminous United States 1940â€"2015. Scientific Data, 2022, 9, .	5.3	4
4240	APAview: A web-based platform for alternative polyadenylation analyses in hematological cancers. Frontiers in Genetics, 0, 13, .	2.3	2
4241	No Effects of a Brief Mindfulness Intervention on Controlled Motivation and Amotivation, but Effect Moderation Through Trait Mindfulness: a Randomized Controlled Trial. Mindfulness, 2022, 13, 2434-2447.	2.8	6
4242	The SAMI Galaxy Survey: flipping of the spinâ€"filament alignment correlates most strongly with growth of the bulge. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3569-3591.	4.4	11
4243	The Impact of Variable Selection and Transformation on the Interpretability and Accuracy of Fuzzy Models. , 2022, , .		3
4244	ULX pulsar SwiftÂJ0243.6+6124 observations with *NuSTAR*: dominance of reflected emission in the super-Eddington state. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1601-1611.	4.4	7
4246	A geometric modelling framework to support the design of heterogeneous lattice structures with non-linearly varying geometry. Journal of Computational Design and Engineering, 2022, 9, 1565-1584.	3.1	7
4247	A support vector machines framework for identification of infrared spectra. Applied Physics B: Lasers and Optics, 2022, 128, .	2.2	3
4248	Simulation of Light Intensity and Nano-Resistor Distribution in SSI-LEDs Using Python as a Framework. ECS Journal of Solid State Science and Technology, 2022, 11, 085006.	1.8	0

#	Article	IF	Citations
4249	The Star-forming Main Sequence of the Host Galaxies of Low-redshift Quasars. Astrophysical Journal, 2022, 934, 130.	4.5	12
4250	Combi-seq for multiplexed transcriptome-based profiling of drug combinations using deterministic barcoding in single-cell droplets. Nature Communications, 2022, 13, .	12.8	8
4251	Time‐dependent prediction of mortality and cytomegalovirus reactivation after allogeneic hematopoietic cell transplantation using machine learning. American Journal of Hematology, 2022, 97, 1309-1323.	4.1	5
4252	Validation of standardized data formats and tools for ground-level particle-based gamma-ray observatories. Astronomy and Astrophysics, 2022, 667, A36.	5.1	4
4254	Moving robotics competitions virtual: The case study of RoboCupJunior Soccer Simulation (SoccerSim). Frontiers in Robotics and AI, 0, 9, .	3.2	3
4256	Plasmonic hybridization properties in polyenes octatetraene molecules based on theoretical computation. Chinese Physics B, 2023, 32, 037102.	1.4	1
4257	Direct and inverse simulation applied to the identification and quantification of point pollution sources in rivers. Environmental Modelling and Software, 2022, 156, 105488.	4.5	4
4258	Characteristics of Kepler Eclipsing Binaries Displaying a Significant O'Connell Effect. Astrophysical Journal, Supplement Series, 2022, 262, 10.	7.7	9
4259	<i>Euclid</i>: Cosmological forecasts from the void size function. Astronomy and Astrophysics, 2022, 667, A162.	5.1	10
4260	Effects of the Planetary Field on the Accretion Process of a Planet in the Final Stage of Giant Planet Formation. Astrophysical Journal, 2022, 935, 96.	4.5	0
4261	Pilot testing of an adaptive, individualized inhibitory control training for binge drinking: first evidence on feasibility, acceptance, and efficacy. Psychological Research, 2023, 87, 1267-1283.	1.7	2
4262	Towards a machine-readable literature: finding relevant papers based on an uploaded powder diffraction pattern. Acta Crystallographica Section A: Foundations and Advances, 2022, 78, 386-394.	0.1	1
4264	Machine-learning algorithm to non-invasively detect diabetes and pre-diabetes from electrocardiogram. BMJ Innovations, 2023, 9, 32-42.	1.7	8
4265	Chlorophyll soft-sensor based on machine learning models for algal bloom predictions. Scientific Reports, 2022, 12, .	3.3	14
4266	Improving Black Hole Accretion Treatment in Hydrodynamical Simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4267	Impact of climate change on site characteristics of eight major astronomical observatories using high-resolution global climate projections until 2050. Astronomy and Astrophysics, 2022, 665, A149.	5.1	5
4268	A Tendency Toward Alignment in Single-star Warm-Jupiter Systems. Astronomical Journal, 2022, 164, 104.	4.7	22
4269	Understanding the spatial variation of Mg‰<scp>ii</scp> and ionizing photon escape in a local LyC leaker. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5556-5567.	4.4	4

#	Article	IF	Citations
4270	Conceptualization, Operationalization, and Utilization of Race and Ethnicity in Major Epidemiology Journals, 1995â€"2018: A Systematic Review. American Journal of Epidemiology, 2023, 192, 483-496.	3.4	24
4271	Towards the Estimation of Body Weight in Sheep Using Metaheuristic Algorithms from Biometric Parameters in Microsystems. Micromachines, 2022, 13, 1325.	2.9	0
4272	Transcription factorâ€"nucleosome dynamics from plasma cfDNA identifies ER-driven states in breast cancer. Science Advances, 2022, 8, .	10.3	8
4273	Experimental and Computational Verification of a New Remote Monitoring System Design for Spent Fuel Dry Cask Safeguards Using Small-Scale, Generic Diversion Scenarios. Nuclear Technology, 0, , 1-14.	1.2	1
4274	Revising Properties of Planetâ€"Host Binary Systems. I. Methods and Pilot Study. Astrophysical Journal, 2022, 935, 141.	4.5	4
4275	Circumplanetary disk ices. Astronomy and Astrophysics, 2022, 667, A95.	5.1	5
4276	High-resolution M-band Spectroscopy of CO toward the Massive Young Stellar Binary W3 IRS 5. Astrophysical Journal, 2022, 935, 161.	4.5	1
4277	VGsim: Scalable viral genealogy simulator for global pandemic. PLoS Computational Biology, 2022, 18, e1010409.	3.2	5
4278	The ITensor Software Library for Tensor Network Calculations. , 0, , .		212
4279	A Compact Model for the Variable Switching Dynamics of HfO_2 Memristors. , 2022, , .		1
4280	pyprop8: A lightweight code to simulate seismic observables in a layered half-space. Journal of Open Source Software, 2022, 7, 4217.	4.6	0
4281	Predicting Bearings Degradation Stages for Predictive Maintenance in the Pharmaceutical Industry. , 2022, , .		3
4282	DDIPred: Graph Convolutional Network-Based Drug-drug Interactions Prediction Using Drug Chemical Structure Embedding. , 2022, , .		2
4283	The stable climate of KELT-9b. Astronomy and Astrophysics, 2022, 666, A118.	5.1	6
4284	Characterization of hot populations of Melotte 66 open cluster using *Swift*/UVOT. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2444-2454.	4.4	4
4286	Expansion and contraction of resource allocation in sensory bottlenecks. ELife, 0, 11, .	6.0	1
4288	Gravelamps: Gravitational Wave Lensing Mass Profile Model Selection. Astrophysical Journal, 2022, 935, 68.	4.5	7
4289	OGLE-2017-BLG-1038: A Possible Brown-dwarf Binary Revealed by Spitzer Microlensing Parallax. Astronomical Journal, 2022, 164, 102.	4.7	1

#	Article	IF	Citations
4290	PySQIF, a Statistical Analysis Tool for Bi-SQUID Magnetometers. Journal of Physics: Conference Series, 2022, 2323, 012026.	0.4	1
4291	The Astropy Project: Sustaining and Growing a Community-oriented Open-source Project and the Latest Major Release (v5.0) of the Core Package*. Astrophysical Journal, 2022, 935, 167.	4.5	875
4292	Self-energy corrected DFT-NEGF for conductance in molecular junctions: an accurate and efficient implementation for TRANSIESTA package applied to Au electrodes. Journal of Physics Condensed Matter, 2022, 34, 435901.	1.8	2
4293	Modeling of MT. P495, an mRNA-based vaccine against the phosphate-binding protein PstS1 of Mycobacterium tuberculosis. Molecular Diversity, 2023, 27, 1613-1632.	3.9	4
4294	A deep, multi-epoch <i>Chandra</i> HETG study of the ionized outflow from NGC 4051. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4295	Transfer learning enables prediction of myocardial injury from continuous single-lead electrocardiography. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1908-1918.	4.4	5
4296	HostPhot: global and local photometry of galaxies hosting supernovae or other transients. Journal of Open Source Software, 2022, 7, 4508.	4.6	1
4298	Line-by-line Velocity Measurements: an Outlier-resistant Method for Precision Velocimetry. Astronomical Journal, 2022, 164, 84.	4.7	27
4299	The DECam Local Volume Exploration Survey Data Release 2. Astrophysical Journal, Supplement Series, 2022, 261, 38.	7.7	20
4300	Visualizing the pulsar population using graph theory. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3883-3897.	4.4	1
4301	Cosmological simulations with rare and frequent dark matter self-interactions. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1923-1940.	4.4	9
4302	Formation of black holes in the pair-instability mass gap: Evolution of a post-collision star. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1072-1080.	4.4	20
4303	Comprehensive Collection and Prediction of ABC Transmembrane Protein Structures in the AI Era of Structural Biology. International Journal of Molecular Sciences, 2022, 23, 8877.	4.1	10
4304	Starspot Modeling and Flare Analysis on Selected Main-sequence M-type Stars. Astrophysical Journal, 2022, 935, 102.	4.5	5
4305	Galactic Winds and Bubbles from Nuclear Starburst Rings. Astrophysical Journal Letters, 2022, 935, L24.	8.3	6
4306	Study of the Very High Energy Emission of M87 through its Broadband Spectral Energy Distribution. Astrophysical Journal, 2022, 934, 158.	4.5	2
4307	Universal Relations for the Increase in the Mass and Radius of a Rotating Neutron Star. Astrophysical Journal, 2022, 934, 139.	4.5	9
4308	Freely jointed chain models with extensible links. Physical Review E, 2022, 106, .	2.1	8

#	Article	IF	Citations
4309	Observational study on associations between resilience indicators based on daily milk yield in first lactation and lifetime profitability. Journal of Dairy Science, 2022, 105, 8158-8176.	3.4	6
4310	Divergent genomic trajectories predate the origin of animals and fungi. Nature, 2022, 609, 747-753.	27.8	32
4311	The OpenGATE ecosystem for Monte Carlo simulation in medical physics. Physics in Medicine and Biology, 2022, 67, 184001.	3.0	18
4313	The GAPS Programme at TNG XXXIX. Multiple Molecular Species in the Atmosphere of the Warm Giant Planet WASP-80 b Unveiled at High Resolution with GIANO-B *. Astronomical Journal, 2022, 164, 101.	4.7	11
4314	Galactic Winds across the Gas-rich Merger Sequence. II. LyÎ± Emission and Highly Ionized O vi and N v Outflows in Ultraluminous Infrared Galaxies. Astrophysical Journal, 2022, 934, 160.	4.5	0
4315	A pipeline of integrating transcriptome and interactome to elucidate central nodes in host-pathogens interactions. STAR Protocols, 2022, 3, 101608.	1.2	9
4316	Design and implementation of a dynamic system simulation framework for plasma control system verification platform. Fusion Engineering and Design, 2022, 182, 113249.	1.9	2
4317	Scalable uncertainty quantification for deep operator networks using randomized priors. Computer Methods in Applied Mechanics and Engineering, 2022, 399, 115399.	6.6	5
4318	End-to-end pipeline for differential analysis of pausing in ribosome profiling data. STAR Protocols, 2022, 3, 101605.	1.2	1
4319	Graph wavelets for fault localization in optical mesh networks. Optical Fiber Technology, 2022, 72, 103006.	2.7	1
4320	Climate partners of Helsinki: Participation-based structures and performance in a city-to-business network addressing climate change in 2011â€"2018. Urban Climate, 2022, 45, 101250.	5.7	1
4321	Optimal producer well placement and multiperiod production scheduling using surrogate modeling. Computers and Chemical Engineering, 2022, 165, 107941.	3.8	5
4322	Analysis of second phase particles in metals using deep learning: Segmentation of nanoscale dispersoids in 6xxx series aluminum alloys (Al-Mg-Si). Materials Characterization, 2022, 191, 112138.	4.4	3
4323	Non-linear harmonics in EIS of batteries with lithium anodes: Proper controls and analysis. Electrochimica Acta, 2022, 429, 140969.	5.2	7
4324	A pseudo-two-dimensional (P2D) model for FeS2 conversion cathode batteries. Journal of Power Sources, 2022, 544, 231893.	7.8	4
4325	Automatically repairing tensor shape faults in deep learning programs. Information and Software Technology, 2022, 151, 107027.	4.4	1
4326	Skeletal-based microstructure representation and featurization through descriptors. Computational Materials Science, 2022, 214, 111668.	3.0	2
4327	On the subjectivity of emotions in software projects: How reliable are pre-labeled data sets for sentiment analysis?. Journal of Systems and Software, 2022, 193, 111448.	4.5	3

#	Article	IF	Citations
4328	SporTran: A code to estimate transport coefficients from the cepstral analysis of (multivariate) current time series. Computer Physics Communications, 2022, 280, 108470.	7.5	9
4329	A reusable benchmark of brain-age prediction from M/EEG resting-state signals. NeuroImage, 2022, 262, 119521.	4.2	20
4330	Geometry-based Assurance of Directional Solidification for Complex Topology-optimized Castings using the Medial Axis Transform. CAD Computer Aided Design, 2022, 152, 103394.	2.7	4
4331	Towards the interpretability of deep learning models for multi-modal neuroimaging: Finding structural changes of the ageing brain. NeuroImage, 2022, 261, 119504.	4.2	10
4332	ModInterv: An automated online software for modeling epidemics. Software Impacts, 2022, 14, 100409.	1.4	3
4333	Compressed air energy storage capacity of offshore saline aquifers using isothermal cycling. Applied Energy, 2022, 325, 119830.	10.1	9
4334	Predicting water quality from geospatial lake, catchment, and buffer zone characteristics in temperate lowland lakes. Science of the Total Environment, 2022, 851, 158090.	8.0	1
4335	Runge–Kutta–Nyström symplectic splitting methods of order 8. Applied Numerical Mathematics, 2022, 182, 14-27.	2.1	2
4336	Constraints on the Spindown of Fully Convective M Dwarfs Using Wide Field Binaries. Astrophysical Journal, 2022, 936, 109.	4.5	14
4337	The *XMM* Cluster Survey: an independent demonstration of the fidelity of the eFEDS galaxy cluster data products and implications for future studies. Monthly Notices of the Royal Astronomical Society, 2022, 517, 657-674.	4.4	4
4338	Signatures of Impact-driven Atmospheric Loss in Large Ensembles of Exoplanets. Astrophysical Journal, 2022, 937, 39.	4.5	1
4339	Ultrastructural analysis of wild-type and RIM1α knockout active zones in a large cortical synapse. Cell Reports, 2022, 40, 111382.	6.4	3
4341	Simultaneous Inversion for Surface Wave Phase Velocity and Earthquake Centroid Parameters: Methodology and Application. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
4342	LITAR. , 2022, 6, 1-29.		4
4343	Identification of carbon dioxide in an exoplanet atmosphere. Nature, 2023, 614, 649-652.	27.8	78
4344	A Deep Learning-Based Approach with Semi-supervised Level Set Loss for Infant Brain MRI Segmentation. Lecture Notes in Networks and Systems, 2023, , 533-545.	0.7	0
4345	Testing Lyα Emission-line Reconstruction Routines at Multiple Velocities in One System. Astrophysical Journal, 2022, 936, 189.	4.5	1
4346	dyntapy: dynamic and static traffic assignment in Python. Journal of Open Source Software, 2022, 7, 4593.	4.6	1

#	Article	IF	Citations
4347	Revising Properties of Planet–Host Binary Systems. II. Apparent Near-Earth-analog Planets in Binaries Are Often Sub-Neptunes*. Astronomical Journal, 2022, 164, 138.	4.7	1
4348	Using Python Modules in Real-Time Plasma Systems for Fusion. Sensors, 2022, 22, 6847.	3.8	1
4349	Variability Signatures of a Burst Process in Flaring Gamma-Ray Blazars. Astrophysical Journal, 2022, 936, 147.	4.5	0
4350	Mechanical response of cardiac microtissues to acute localized injury. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H738-H748.	3.2	10
4351	Probing the Explainability of Neural Network Cloud-Top Pressure Models for LEO and GEO Imagers. , 2022, 1, .		0
4352	Machine-learning-based surrogate modeling of microstructure evolution using phase-field. Computational Materials Science, 2022, 214, 111750.	3.0	13
4353	Discriminating the salivary profile of athletes using ATR-FTIR spectroscopy and chemometrics. Chemometrics and Intelligent Laboratory Systems, 2022, 230, 104660.	3.5	3
4354	Assessment of COVID-19 lung involvement on computed tomography by deep-learning-, threshold-, and human reader-based approaches—an international, multi-center comparative study. Quantitative Imaging in Medicine and Surgery, 2022, 12, 5156-5170.	2.0	6
4355	Oil spills: Detection and concentration estimation in satellite imagery, a machine learning approach. Marine Pollution Bulletin, 2022, 184, 114132.	5.0	5
4356	A low-cost multispectral imaging system for the characterisation of soil and small vegetation properties using visible and near-infrared reflectance. Computers and Electronics in Agriculture, 2022, 202, 107359.	7.7	4
4357	Dimensionality reduction to improve search time and memory footprint in content-retrieval tasks: Application to semiconductor inspection images. Advances in Industrial and Manufacturing Engineering, 2022, 5, 100097.	2.1	0
4358	Victim identification from the September 11, 2001 attack on the World Trade Center: Past trends and future projections. Forensic Science International, 2022, 340, 111463.	2.2	0
4359	Simulation of diffusion with non-equilibrium vacancies, Kirkendall shift and porosity in single-phase alloys. Computational Materials Science, 2022, 215, 111785.	3.0	0
4360	Detecting mixing barriers in Twin-Screw extruder elements via Lagrangian Coherent Structures. Chemical Engineering Science, 2022, 263, 118069.	3.8	4
4361	Kernel methods. , 2023, , 205-232.		3
4362	Diatomic-py: A Python module for calculating the rotational and hyperfine structure of 1Σ molecules. Computer Physics Communications, 2023, 282, 108512.	7.5	1
4363	Image Informatics. , 2023, , 457-471.		0
4364	Alouette: Yet another encapsulated TAUOLA, but revertible. Computer Physics Communications, 2023, 282, 108508.	7.5	0

#	ARTICLE	IF	CITATIONS
4365	OSSCAR, an open platform for collaborative development of computational tools for education in science. Computer Physics Communications, 2023, 282, 108546.	7.5	3
4366	JAX-Fluids: A fully-differentiable high-order computational fluid dynamics solver for compressible two-phase flows. Computer Physics Communications, 2023, 282, 108527.	7.5	19
4367	Geometric Deep Learning for Proteinâ€"Protein Interaction Predictions. IEEE Access, 2022, 10, 90045-90055.	4.2	3
4368	Histogram-Based Unsupervised Domain Adaptation forÂMedical Image Classification. Lecture Notes in Computer Science, 2022, , 755-764.	1.3	0
4369	Identification of micro- and nanoplastics released from medical masks using hyperspectral imaging and deep learning. Analyst, The, 2022, 147, 4616-4628.	3.5	5
4370	Lead Separation and Combination: A Novel Unsupervised 12-Lead ECG Feature Learning Framework for Internet of Medical Things. IEEE Internet of Things Journal, 2022, 9, 23897-23914.	8.7	1
4371	The Defence of 2d Poisoning Attack. SSRN Electronic Journal, 0, , .	0.4	0
4372	Monitoring Pedestrian Social Distance System forÂCOVID-19. Lecture Notes in Electrical Engineering, 2022, , 215-224.	0.4	0
4373	A Parametric Network for the Global Compensation of Physical Layer Linear Impairments in Coherent Optical Communications. IEEE Open Journal of the Communications Society, 2022, 3, 1428-1444.	6.9	1
4374	Drowsiness Detection Using Multivariate Statistical Process Control. Lecture Notes in Computer Science, 2022, , 571-585.	1.3	3
4375	Computer Vision Based Road Lane Line Detection. SSRN Electronic Journal, 0, , .	0.4	0
4376	Key technologies for future sodium-cooled fast reactors. , 2022, , 409-626.		0
4377	Biomechanical Analysis of Body Movements of Myoelectric Prosthesis Users During Standardized Clinical Tests. IEEE Transactions on Biomedical Engineering, 2023, 70, 789-799.	4.2	1
4378	Architectural Patterns for Handling Runtime Uncertainty of Data-Driven Models in Safety-Critical Perception. Lecture Notes in Computer Science, 2022, , 284-297.	1.3	2
4379	An Interpretable Deep Learning Model for Speech Activity Detection Using Electrocorticographic Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 2783-2792.	4.9	1
4380	A Silicon Migration Model Incorporating Anisotropic Surface Energy and Non-Uniform Diffusivity. Journal of Microelectromechanical Systems, 2022, , 1-8.	2.5	1
4381	On theÂDesign ofÂPSyKI: A Platform forÂSymbolic Knowledge Injection intoÂSub-symbolic Predictors. Lecture Notes in Computer Science, 2022, , 90-108.	1.3	4
4382	Python: Data Handling, Analysis and Plotting. Learning Materials in Biosciences, 2022, , 29-57.	0.4	0

#	Article	IF	Citations
4383	Comparative Analysis of Sensor-Based Human Activity Recognition Using Artificial Intelligence. IFIP Advances in Information and Communication Technology, 2022, , 1-17.	0.7	1
4384	Discovery of a monomeric green fluorescent protein sensor for chloride by structure-guided bioinformatics. Chemical Science, 2022, 13, 12659-12672.	7.4	6
4385	Real-Time 3D Reconstruction of Human Vocal Folds via High-Speed Laser-Endoscopy. Lecture Notes in Computer Science, 2022, , 3-12.	1.3	1
4386	Collective Learning of Low-Memory Matrix Adaptation for Large-Scale Black-Box Optimization. Lecture Notes in Computer Science, 2022, , 281-294.	1.3	0
4387	On the Effectiveness of 3D Vision Transformers for the Prediction of Prostate Cancer Aggressiveness. Lecture Notes in Computer Science, 2022, , 317-328.	1.3	2
4388	Carbon quantification in soils with different textures using laser-induced breakdown spectroscopy: spectral interference correction and use of a 3D plane model. Analytical Methods, 2022, 14, 4219-4229.	2.7	4
4389	Spectral analysis of 22 radio pulsars using SKA-Low precursor stations. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	2
4390	huSync - A Model and System for the Measure of Synchronization in Small Groups: A Case Study on Musical Joint Action. IEEE Access, 2022, 10, 92357-92372.	4.2	4
4391	Stochastic Models of Jaya and Semi-Steady-State Jaya Algorithms. IEEE Access, 2022, 10, 92917-92930.	4.2	2
4392	Impact of solvent interactions on ^{1}H and ^{13}C chemical shifts investigated using DFT and a reference dataset recorded in $CDCl_3$ and CCl_4. Physical Chemistry Chemical Physics, 2022, 24, 23551-23560.	2.8	4
4393	Understanding Harmonic Structures Through Instantaneous Frequency. IEEE Open Journal of Signal Processing, 2022, 3, 320-334.	3.5	1
4394	Extending Machine Learning Prediction Capabilities by Explainable Ai in Financial Time Series Prediction. SSRN Electronic Journal, 0, , .	0.4	0
4395	MOFUN: a Python package for molecular find and replace. , 2022, 1, 679-688.		3
4396	Calibrate: Interactive Analysis of Probabilistic Model Output. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-11.	4.4	4
4397	Bayesian assessments of aeroengine performance with transfer learning. Data-Centric Engineering, 2022, 3, .	2.3	1
4398	Unboundedness of Linear Regions of Deep ReLU Neural Networks. Communications in Computer and Information Science, 2022, , 3-10.	0.5	0
4399	Comparative Evaluation of Classification Indexes and Outlier Detection of Microcytic Anaemias in a Portuguese Sample. Lecture Notes in Computer Science, 2022, , 219-231.	1.3	1
4400	Morphological Gradient Analysis and Contour Feature Learning for Locating Text in Natural Scene Images. Communications in Computer and Information Science, 2022, , 254-261.	0.5	2

#	Article	IF	Citations
4401	A Deep Reinforcement Learning-Based Caching Strategy for IoT Networks With Transient Data. IEEE Transactions on Vehicular Technology, 2022, 71, 13310-13319.	6.3	4
4402	Likelihood Maximization of Lifetime Distributions With Bathtub-Shaped Failure Rate. IEEE Transactions on Reliability, 2023, 72, 759-773.	4.6	1
4403	Effects of Offshore Wind Farms on Suspended Particulate Matter Derived from Satellite Remote Sensing. SSRN Electronic Journal, 0, , .	0.4	0
4404	Computer Vision Based Road Lane Line Detection. SSRN Electronic Journal, 0, , .	0.4	0
4405	Automatic structural elucidation of vacancies in materials by active learning. Physical Chemistry Chemical Physics, 2022, 24, 25227-25239.	2.8	6
4406	An Exact Fast Fourier Method for Morphological Dilation and Erosion Using the Umbra Technique. , 2022, , .		1
4407	Interactive Segmentation and Visualization for Tiny Objects in Multi-megapixel Images. , 2022, , .		2
4408	GenEthos: A Synthetic Data Generation System With Bias Detection And Mitigation. , 2022, , .		3
4409	BigDL 2.0: Seamless Scaling of AI Pipelines from Laptops to Distributed Cluster. , 2022, , .		2
4410	Dirichlet Prior Networks for Continual Learning. , 2022, , .		1
4411	Improvements in Brazilian Portuguese Speech Emotion Recognition and its extension to Latin Corpora. , 2022, , .		1
4412	Self-distilled Knowledge Delegator for Exemplar-free Class Incremental Learning. , 2022, , .		1
4413	FuzzyTM: a Software Package for Fuzzy Topic Modeling. , 2022, , .		0
4414	Applying ensemble machine learning models to predict individual response to a digitally delivered worry postponement intervention. Journal of Affective Disorders, 2023, 320, 201-210.	4.1	3
4415	ixpeobssim: A simulation and analysis framework for the imaging X-ray polarimetry explorer. SoftwareX, 2022, 19, 101194.	2.6	78
4416	What You See Is What You Transform: Foveated Spatial Transformers as a bio-inspired attention mechanism. , 2022, , .		1
4417	Math Skills: a New Look from Functional Data Analysis. , 2022, , .		0
4418	A Deep Graph Cut Model For 3D Brain Tumor Segmentation. , 2022, , .		0

#	Article	IF	Citations
4419	ConnectorX. Proceedings of the VLDB Endowment, 2022, 15, 2994-3003.	3.8	3
4420	The Closest Past Flyby of a Known Star to the Solar System: HD 7977, UCAC4 237-008148 or WISE J072003.20-084651.2?. Research Notes of the AAS, 2022, 6, 152.	0.7	0
4421	Relational representation learning with spike trains. , 2022, , .		2
4422	Privacy Enhancement for Cloud-Based Few-Shot Learning. , 2022, , .		1
4423	A Semiquantitative Approach to Assess Uncertainty for Predicting Road Surface Temperature if a Sensor Fails at a Station. , 2022, , .		0
4424	Ginex. Proceedings of the VLDB Endowment, 2022, 15, 2626-2639.	3.8	6
4425	Development and testing of a prototype of a dental extraction trainer with real-time feedback on forces, torques, and angular velocity. , 2022, , .		0
4426	Smart Operators for Inducing Colorectal Cancer Classification Trees with PonyGE2 Grammatical Evolution Python Package. , 2022, , .		0
4427	SpotLink enables sensitive and precise identification of site nonspecific cross-links at the proteome scale. Briefings in Bioinformatics, 2022, 23, .	6.5	3
4428	GJ 3929: High-precision Photometric and Doppler Characterization of an Exo-Venus and Its Hot, Mini-Neptune-mass Companion. Astrophysical Journal, 2022, 936, 55.	4.5	2
4429	Inferring Activity Patterns from Sparse Step Counts Data with Recurrent Neural Networks. ACM Transactions on Computing for Healthcare, 2023, 4, 1-20.	5.0	0
4430	The MOSDEF survey: towards a complete census of the <i>z</i> âˆ¼ 2.3 star-forming galaxy population. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4337-4354.	4.4	2
4431	On the automatic parameter calibration of a hypoplastic soil model. Acta Geotechnica, 2022, 17, 5253-5273.	5.7	9
4432	Crack length estimations for small-scale fracture experiments via image processing techniques. Journal of Materials Research, 2022, 37, 2848-2861.	2.6	4
4433	Widespread Detection of Two Components in the Hot Circumgalactic Medium of the Milky Way. Astrophysical Journal, 2022, 936, 72.	4.5	13
4434	A follow-up on intermediate-mass black hole candidates in the second LIGOâ€"Virgo observing run with the Bayes Coherence Ratio. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5309-5317.	4.4	1
4435	Performance Evaluation of Machine Learning Methods for Anomaly Detection in CubeSat Solar Panels. Applied Sciences (Switzerland), 2022, 12, 8634.	2.5	3
4436	MOA-2020-BLG-135Lb: A New Neptune-class Planet for the Extended MOA-II Exoplanet Microlens Statistical Analysis. Astronomical Journal, 2022, 164, 118.	4.7	3

#	Article	IF	Citations
4437	Insights into the vulnerability of vegetation to tephra fallouts from interpretable machine learning and big Earth observation data. Natural Hazards and Earth System Sciences, 2022, 22, 2829-2855.	3.6	5
4438	Public Release of A-SLOTH: Ancient Stars and Local Observables by Tracing Halos. Astrophysical Journal, 2022, 936, 45.	4.5	21
4439	An agent-based model of child sugar-sweetened beverage consumption: implications for policies and practices. American Journal of Clinical Nutrition, 2022, 116, 1019-1029.	4.7	1
4440	Pressure Measurement in a Bladder Phantom Using Contrast-Enhanced Ultrasonographyâ€"A Path to a Catheter-Free Voiding Cystometrogram. Investigative Radiology, 2023, 58, 181-189.	6.2	4
4441	Multiwavelength Vertical Structure in the AU Mic Debris Disk: Characterizing the Collisional Cascade. Astrophysical Journal, 2022, 935, 131.	4.5	8
4443	The complex dynamical past and future of double eclipsing binary CzeV343: Misaligned orbits and period resonance. Astronomy and Astrophysics, 0, , .	5.1	2
4444	Characterizing the line spread function in integral field spectrographs from ground-based telescopes. , 2022, , .		0
4445	Describing small-angle scattering profiles by a limited set of intensities. Journal of Applied Crystallography, 2022, 55, 1116-1124.	4.5	5
4446	Uses of complex metrics in cosmology. Journal of High Energy Physics, 2022, 2022, .	4.7	11
4447	MobileSkin: Classification of Skin Lesion Images Acquired Using Mobile Phone-Attached Hand-Held Dermoscopes. Journal of Clinical Medicine, 2022, 11, 5102.	2.4	5
4449	expamâ€"high-resolution analysis of metagenomes using distance trees. Bioinformatics, 2022, 38, 4814-4816.	4.1	1
4450	Estimating the Heights of Martian Vortices from Mars 2020 MEDA Data. Planetary Science Journal, 2022, 3, 203.	3.6	1
4451	A lensed radio jet at milliarcsecond resolution I: Bayesian comparison of parametric lens models. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1808-1828.	4.4	13
4452	Dense Gas and Star Formation in Nearby Infrared-bright Galaxies: APEX Survey of HCN and HCO^+ J = 2 â†' 1. Astrophysical Journal, 2022, 936, 58.	4.5	5
4453	A Search for Radio Technosignatures at the Solar Gravitational Lens Targeting Alpha Centauri. Astronomical Journal, 2022, 164, 116.	4.7	4
4454	Magnetised winds in transition discs. Astronomy and Astrophysics, 2022, 667, A17.	5.1	7
4455	The near-field tsunami generated by the 15 January 2022 eruption of the Hunga Tonga-Hunga Haâ€™apai volcano and its impact on Tongatapu, Tonga. Scientific Reports, 2022, 12, .	3.3	13
4456	CAâ€MLBS: contentâ€aware machine learning based load balancing scheduler in the cloud environment. Expert Systems, 2023, 40, .	4.5	2

#	Article	IF	Citations
4457	The ALMA Survey of 70 Î¼m Dark High-mass Clumps in Early Stages (ASHES). VI. The Core-scale CO Depletion. Astrophysical Journal, 2022, 936, 80.	4.5	11
4458	Characterization of conformational heterogeneity via higher-dimensionality, proton-detected solid-state NMR. Journal of Biomolecular NMR, 0, , .	2.8	1
4459	The Nonlinear Thermoacoustic Eigenvalue Problem and Its Rational Approximations: Assessment of Solution Strategies. Journal of Engineering for Gas Turbines and Power, 2023, 145, .	1.1	1
4460	EasyCID: Make component identiﬁcation easy in Raman spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2022, 231, 104657.	3.5	3
4462	Spinning Nanoparticles Impacted by C-shock: Implications for Radio-millimeter Emission from Star-forming Regions. Astrophysical Journal, 2022, 936, 179.	4.5	1
4463	How do Gambling Providers Use the Social Network Twitter in Germany? An Explorative Mixed-Methods Topic Modeling Approach. Journal of Gambling Studies, 0, , .	1.6	1
4464	Global coarse-grained mesoscale eddy statistics based on integrated kinetic energy and enstrophy correlations. Ocean Science, 2022, 18, 1361-1375.	3.4	0
4465	A Critical Test of Deep Convolutional Neural Networks' Ability to Capture Recurrent Processing in the Brain Using Visual Masking. Journal of Cognitive Neuroscience, 2022, 34, 2390-2405.	2.3	5
4466	A field-based computing approach to sensing-driven clustering in robot swarms. Swarm Intelligence, 2023, 17, 27-62.	2.2	1
4468	Deep Learning for In-Situ Layer Quality Monitoring during Laser-Based Directed Energy Deposition (LB-DED) Additive Manufacturing Process. Applied Sciences (Switzerland), 2022, 12, 8974.	2.5	2
4470	Activation Functions for Analysis of Skin Lesion and Melanoma Cancer Detection. Lecture Notes in Networks and Systems, 2023, , 391-401.	0.7	0
4471	Substantial gradient mitigation in simulated large‐scale bioreactors by optimally placed multiple feed points. Biotechnology and Bioengineering, 2022, 119, 3549-3566.	3.3	2
4472	A Low-inclination Neutral Trans-Neptunian Object in an Extreme Orbit. Astrophysical Journal Letters, 2022, 937, L22.	8.3	2
4473	Machine learning model for snow depth estimation using a multisensory ubiquitous platform. Journal of Mountain Science, 2022, 19, 2506-2527.	2.0	0
4474	Constraining RV variation using highly reddened Type Ia supernovae from the Pantheon+ sample. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4822-4832.	4.4	6
4475	Cosmic shear in harmonic space from the Dark Energy Survey Year 1 Data: compatibility with configuration space results. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5799-5815.	4.4	4
4476	A Reproducible and Reusable Pipeline for Segmentation of Geoscientific Imagery. Earth and Space Science, 2022, 9, .	2.6	11
4477	ATOCA: an Algorithm to Treat Order Contamination. Application to the NIRISS SOSS Mode. Publications of the Astronomical Society of the Pacific, 2022, 134, 094502.	3.1	12

#	Article	IF	Citations
4478	The KOBE experiment: K-dwarfs Orbited By habitable Exoplanets. Astronomy and Astrophysics, 2022, 667, A102.	5.1	8
4479	AI-Based Prediction of Myocardial Infarction Risk as an Element of Preventive Medicine. Applied Sciences (Switzerland), 2022, 12, 9596.	2.5	4
4481	TIC 5724661: A Long-period Binary with a Pulsating sdB Star and δ Scuti Variable. Astrophysical Journal, 2022, 936, 123.	4.5	0
4482	Anthropogenic aerosol and cryosphere changes drive Earth's strong but transient clear-sky hemispheric albedo asymmetry. Communications Earth & Environment, 2022, 3, .	6.8	2
4483	Is [Y/Mg] a Reliable Age Diagnostic for FGK Stars?. Astrophysical Journal, 2022, 936, 100.	4.5	4
4485	Microbial functional diversity across biogeochemical provinces in the central Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
4486	On spreading of Antarctic Bottom Water in fracture zones of the Mid-Atlantic Ridge at 7–8°N. Russian Journal of Earth Sciences, 2022, , 1-17.	0.7	1
4487	Particle swarm optimization artificial intelligence technique for gene signature discovery in transcriptomic cohorts. Computational and Structural Biotechnology Journal, 2022, 20, 5547-5563.	4.1	1
4488	Forward-modelling the luminosity, distance, and size distributions of the Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3944-3971.	4.4	18
4489	CMB spectral distortions revisited: A new take on μ distortions and primordial non-Gaussianities from FIRAS data. Physical Review D, 2022, 106, .	4.7	20
4490	Examining ecological succession of diatoms in California Current System cyclonic mesoscale eddies. Limnology and Oceanography, 2022, 67, 2586-2602.	3.1	2
4491	The imprint of gas on gravitational waves from LISA intermediate-mass black hole binaries. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1339-1354.	4.4	5
4492	A Characterisation of Benthic Currents from Seabed Bathymetry: An Object-Based Image Analysis of Cold-Water Coral Mounds. Remote Sensing, 2022, 14, 4731.	4.0	2
4494	Event-triggered STED imaging. Nature Methods, 2022, 19, 1268-1275.	19.0	35
4495	Examining AGN UV/Optical Variability beyond the Simple Damped Random Walk. Astrophysical Journal, 2022, 936, 132.	4.5	17
4496	Convolutional Neural Networks as a Tool for Raman Spectral Mineral Classification Under Low Signal, Dusty Mars Conditions. Earth and Space Science, 2022, 9, .	2.6	4
4498	Constructing functional models from biophysically-detailed neurons. PLoS Computational Biology, 2022, 18, e1010461.	3.2	3
4499	Stochastic excitation of internal gravity waves in rotating late F-type stars: A 3D simulation approach. Astronomy and Astrophysics, 2022, 667, A43.	5.1	4

#	Article	IF	Citations
4500	Stellar Populations of LyÎ±-emitting Galaxies in the HETDEX Survey. I. An Analysis of LAEs in the GOODS-N Field. Astrophysical Journal, 2022, 936, 131.	4.5	5
4501	Scalability of Gadolinium-Doped-Water Cherenkov Detectors for Nuclear Nonproliferation. Physical Review Applied, 2022, 18, .	3.8	2
4502	The influence of host star activity evolution on the population of super-Earths and mini-Neptunes. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1683-1706.	4.4	8
4504	Deep Learning the Functional Renormalization Group. Physical Review Letters, 2022, 129, .	7.8	11
4505	CONCERTO: High-fidelity simulation of millimeter line emissions of galaxies and [CII] intensity mapping. Astronomy and Astrophysics, 2022, 667, A156.	5.1	16
4506	Probabilistic quotientâ€™s work and pharmacokineticsâ€™ contribution: countering size effect in metabolic time series measurements. BMC Bioinformatics, 2022, 23, .	2.6	0
4507	WALOP-South: a four-camera one-shot imaging polarimeter for PASIPHAE survey. Paper II â€" polarimetric modeling and calibration. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	2
4508	Implementation of a dark zone maintenance algorithm for speckle drift correction in a high contrast space coronagraph. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	0
4509	Evaluation of different general V(Î») mismatch indices of photometers for LED-based light sources in general lighting applications. Metrologia, 2022, 59, 065003.	1.2	4
4510	The TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI). I. Dry Casesâ€"The Fellowship of the GCMs. Planetary Science Journal, 2022, 3, 211.	3.6	25
4511	Classification of Program Texts Represented as Markov Chains with Biology-Inspired Algorithms-Enhanced Extreme Learning Machines. Algorithms, 2022, 15, 329.	2.1	5
4512	CLASS: Coronal Line Activity Spectroscopic Survey. Astrophysical Journal, 2022, 936, 140.	4.5	6
4513	ALMA/ACA CO Survey of the IC 1459 and NGC 4636 Groups: Environmental Effects on the Molecular Gas of Group Galaxies. Astrophysical Journal, Supplement Series, 2022, 262, 31.	7.7	9
4514	Catastrophic Cooling in Superwinds. III. Nonequilibrium Photoionization. Astrophysical Journal, 2022, 937, 68.	4.5	4
4515	Arnold tongue entrainment reveals dynamical principles of the embryonic segmentation clock. ELife, 0, 11, .	6.0	6
4516	Eccentric debris belts reveal the dynamical history of the companion exoplanet. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5544-5554.	4.4	2
4517	No Evidence that the Majority of Black Holes in Binaries Have Zero Spin. Astrophysical Journal Letters, 2022, 937, L13.	8.3	26
4518	Proposal ofÂaÂNovel Python-Based Fuzzy Systems Library - Preliminary Results. Lecture Notes in Networks and Systems, 2023, , 348-363.	0.7	0

#	Article	IF	Citations
4519	FarNet-II: An improved solar far-side active region detection method. Astronomy and Astrophysics, 2022, 667, A132.	5.1	1
4520	Constraining leptonic emission scenarios for the PeVatron candidate HESS J1702â−420 with deep <i>XMM-Newton</i> observations. Astronomy and Astrophysics, 2022, 667, A130.	5.1	2
4521	Impact of extragalactic foregrounds on internal delensing of the CMB <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math> -mode polarization. Physical Review D, 2022, 106, .	4.7	4
4522	Planck constraints on cross-correlations between anisotropic cosmic birefringence and CMB polarization. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 075.	5.4	10
4523	An exploration of the properties of cluster profiles for the thermal and kinetic Sunyaevâ€"Zelâ€™dovich effects. Monthly Notices of the Royal Astronomical Society, 2022, 517, 420-436.	4.4	4
4524	The marsquake catalogue from InSight, sols 0â€"1011. Physics of the Earth and Planetary Interiors, 2022, 333, 106943.	1.9	29
4525	Efficient permutation-based genome-wide association studies for normal and skewed phenotypic distributions. Bioinformatics, 2022, 38, ii5-ii12.	4.1	9
4527	A trio of giant planets orbiting evolved star HDÂ184010. Publication of the Astronomical Society of Japan, 0, , .	2.5	1
4528	Seasonal changes in day length induce multisynaptic neurotransmitter switching to regulate hypothalamic network activity and behavior. Science Advances, 2022, 8, .	10.3	18
4529	Numerical metrics for complete intersection and Kreuzerâ€"Skarke Calabiâ€"Yau manifolds. Machine Learning: Science and Technology, 2022, 3, 035014.	5.0	9
4530	The global structure of magnetic fields and gas in simulated Milky Way-analogue galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5972-5990.	4.4	10
4532	Estimating the Likelihood of GHG Concentration Scenarios From Probabilistic Integrated Assessment Model Simulations. Earth's Future, 2022, 10, .	6.3	9
4534	The black hole X-ray binary MAXIÂJ1348â€"630 in quiescence. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 517, L21-L25.	3.3	8
4535	TOUGH3-FLAC3D: a modeling approach for parallel computing of fluid flow and geomechanics. Computational Geosciences, 2022, 26, 1563-1580.	2.4	3
4537	UVIT view of Centaurus A: a detailed study on positive AGN feedback. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2300-2313.	4.4	1
4538	Dynamic Diagnostic 3D Simulation of a Grinding Machine Spindle. Hybrid Simulation Method. Proceedings of Higher Educational Institutions ĐœĐ°chine Building, 2022, , 43-53.	0.2	0
4539	Activation of Disulfide Redox Switch in REDD1 Promotes Oxidative Stress Under Hyperglycemic Conditions. Diabetes, 2022, 71, 2764-2776.	0.6	4
4542	Decay of acoustic turbulence in two dimensions and implications for cosmological gravitational waves. Physical Review D, 2022, 106, .	4.7	10

#	Article	IF	Citations
4544	Unveiling the warm and dense ISM in z â„„>â„„6 quasar host galaxies via water vapor emission. Astronomy and Astrophysics, 2022, 667, A9.	5.1	10
4545	islatu: A Python package for the reduction of reflectometry data. Journal of Open Source Software, 2022, 7, 4397.	4.6	0
4546	Target-specific compound selectivity for multi-target drug discovery and repurposing. Frontiers in Pharmacology, 0, 13, .	3.5	7
4547	Deep Learning on Synthetic Data Enables the Automatic Identification of Deficient Forested Windbreaks in the Paraguayan Chaco. Remote Sensing, 2022, 14, 4327.	4.0	7
4548	Explainable haemoglobin deferral predictions using machine learning models: Interpretation and consequences for the blood supply. Vox Sanguinis, 0, , .	1.5	5
4549	ACCESS: Tentative Detection of H_2O in the Ground-based Optical Transmission Spectrum of the Low-density Hot Saturn HATS-5b. Astronomical Journal, 2022, 164, 153.	4.7	1
4550	Data reduction pipeline and performance for the Palomar radial velocity instrument. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	2
4551	Luck of the Irish? A companion of the Cloverleaf connected by a bridge of molecular gas. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 517, L11-L15.	3.3	3
4552	Cell Repolarization: A Bifurcation Study of Spatio-Temporal Perturbations of Polar Cells. Bulletin of Mathematical Biology, 2022, 84, .	1.9	7
4553	Optimal design of functionally graded lattice structures using Hencky bar-grid model and topology optimization. Structural and Multidisciplinary Optimization, 2022, 65, .	3.5	1
4554	Real-Time Modeling of Volume and Form Dependent Nanoparticle Fractionation in Tubular Centrifuges. Nanomaterials, 2022, 12, 3161.	4.1	3
4555	Mechanical properties of the premature lung: From tissue deformation under load to mechanosensitivity of alveolar cells. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	1
4556	Monitoring sources of volcanic activity at Mount Etna using pattern recognition techniques on infrasound signals. Geophysical Journal International, 2022, 232, 1-16.	2.4	0
4557	A Bayesian calibration framework for EDGES. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2264-2284.	4.4	6
4558	A dopamine-gated learning circuit underpins reproductive state-dependent odor preference in Drosophila females. ELife, 0, 11, .	6.0	7
4559	Constraining SIDM with halo shapes: Revisited predictions from realistic simulations of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4543-4559.	4.4	9
4560	A pilot ASKAP survey for radio transients towards the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5972-5988.	4.4	5
4561	Multi-messenger Observations of Binary Neutron Star Mergers in the O4 Run. Astrophysical Journal, 2022, 937, 79.	4.5	31

#	ARTICLE	IF	CITATIONS
4562	Statistical Properties of a Virtual Cohort for In Silico Trials Generated with a Statistical Anatomy Atlas. Annals of Biomedical Engineering, 2023, 51, 117-124.	2.5	2
4563	Time-dependent Lattice Cross Sections and Line Ratios for Solar Wind Charge Exchange: Bare Ne Incident on Atomic H and He. Astrophysical Journal, Supplement Series, 2022, 262, 47.	7.7	1
4564	Evaluating the efficacy of sonification for signal detection in univariate, evenly sampled light curves using <scp>astronify</scp>. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5674-5683.	4.4	2
4565	Red quasars blow out molecular gas from galaxies during the peak of cosmic star formation. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3377-3391.	4.4	12
4566	Bayesian Paleomagnetic Euler Pole Inversion for Paleogeographic Reconstruction and Analysis. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	6
4568	Ligand Unbinding Pathway and Mechanism Analysis Assisted by Machine Learning and Graph Methods. Journal of Chemical Information and Modeling, 2022, 62, 4591-4604.	5.4	8
4569	Quantum median filter for total variation image denoising. Annali Dell'Universita Di Ferrara, 0, , .	1.3	0
4570	Experimental reproducibility limits the correlation between mRNA and protein abundances in tumor proteomic profiles. Cell Reports Methods, 2022, 2, 100288.	2.9	11
4572	MISPR: an open-source package for high-throughput multiscale molecular simulations. Scientific Reports, 2022, 12, .	3.3	5
4573	Reversible Unwrapping Algorithm for Constant-Pressure Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2022, 18, 6161-6171.	5.3	4
4574	Deep Learning based Ship Variants Classification Using Different Scale Images. Journal of Intelligent Systems Theory and Applications, 2022, 5, 161-167.	0.6	2
4575	A neurodynamic model of inter-brain coupling in the gamma band. Journal of Neurophysiology, 2022, 128, 1085-1090.	1.8	4
4576	Identifying Transient Candidates in the Dark Energy Survey Using Convolutional Neural Networks. Publications of the Astronomical Society of the Pacific, 2022, 134, 094501.	3.1	3
4577	Spatialâ€"Spectral Analysis of Hyperspectral Images Reveals Early Detection of Downy Mildew on Grapevine Leaves. International Journal of Molecular Sciences, 2022, 23, 10012.	4.1	11
4579	Search and identification of transient and variable radio sources using MeerKAT observations: a case study on the MAXI J1820+070 field. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2894-2911.	4.4	6
4580	Seasonal Alongcoast Connectivity in Texas and Louisiana. Estuaries and Coasts, 2023, 46, 1-11.	2.2	1
4582	ACCESS: Confirmation of a Clear Atmosphere for WASP-96b and a Comparison of Light Curve Detrending Techniques. Astronomical Journal, 2022, 164, 134.	4.7	10
4583	4D reconstruction of murine developmental trajectories using spherical harmonics. Developmental Cell, 2022, 57, 2140-2150.e5.	7.0	8

#	Article	IF	Citations
4584	Bistability of the Atmospheric Circulation on TRAPPIST-1e. Planetary Science Journal, 2022, 3, 214.	3.6	18
4585	Contact.engineering—Create, analyze and publish digital surface twins from topography measurements across many scales. Surface Topography: Metrology and Properties, 2022, 10, 035032.	1.6	7
4586	H2A-H2B Histone Dimer Plasticity and Its Functional Implications. Cells, 2022, 11, 2837.	4.1	3
4587	Direct observation of the molecular mechanism underlying protein polymerization. Science Advances, 2022, 8, .	10.3	7
4588	Model-Free Deep Recurrent Q-Network Reinforcement Learning for Quantum Circuit Architectures Design. Quantum Reports, 2022, 4, 380-389.	1.3	2
4589	A modernized view of coherence pathways applied to magnetic resonance experiments in unstable, inhomogeneous fields. Journal of Chemical Physics, 2022, 157, .	3.0	0
4591	On convergence rates of adaptive ensemble Kalman inversion for linear ill-posed problems. Numerische Mathematik, 2022, 152, 371-409.	1.9	2
4592	An optimal estimation algorithm for the retrieval of fog and low cloud thermodynamic and micro-physical properties. Atmospheric Measurement Techniques, 2022, 15, 5415-5438.	3.1	1
4593	Evolutionary optimisation of antibiotic dosing regimens for bacteria with different levels of resistance. Artificial Intelligence in Medicine, 2022, 133, 102405.	6.5	3
4594	SPARKESX: Single-dish PARKES data sets for finding the uneXpected – a data challenge. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5832-5848.	4.4	0
4595	Fast and credible likelihood-free cosmology with truncated marginal neural ratio estimation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 004.	5.4	15
4596	Evaluating the use of absolute binding free energy in the fragment optimisation process. Communications Chemistry, 2022, 5, .	4.5	11
4597	Stability Representations of Many-to-One Matching Problems: An Integer Optimization Approach. INFORMS Journal on Computing, 2022, 34, 3325-3343.	1.7	2
4598	Modelling mouse auditory response dynamics along a continuum of consciousness using a deep recurrent neural network. Journal of Neural Engineering, 2022, 19, 056023.	3.5	6
4599	Covariance of photometric and spectroscopic two-point statistics: Implications for cosmological parameter inference. Physical Review D, 2022, 106, .	4.7	3
4600	On the Single-Point Calculation of Stress–Strain Data under Large Deformations with Stress and Mixed Control. Materials, 2022, 15, 6644.	2.9	0
4601	GUBS: Graph-Based Unsupervised Brain Segmentation in MRI Images. Journal of Imaging, 2022, 8, 262.	3.0	2
4602	Toolkit for scalar fields in universes with finite-dimensional Hilbert space. Classical and Quantum Gravity, 0, , .	4.0	0

#	ARTICLE	IF	CITATIONS
4603	Chronic Kidney Disease as a Cardiovascular Disorderâ€"Tonometry Data Analyses. International Journal of Environmental Research and Public Health, 2022, 19, 12339.	2.6	2
4604	Pruning deep neural networks generates a sparse, bio-inspired nonlinear controller for insect flight. PLoS Computational Biology, 2022, 18, e1010512.	3.2	1
4605	Searching for the Next Galactic Luminous Red Nova. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4606	Infrared radiation feedback does not regulate star cluster formation. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1313-1338.	4.4	8
4608	Potential Volcanoâ€Tectonic Origins and Faulting Mechanisms of Three Lowâ€Frequency Marsquakes Detected by a Single InSight Seismometer. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	3
4609	The disturbed outer Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4988-5002.	4.4	11
4610	Integrating Text Mining into the Curation of Disease Maps. Biomolecules, 2022, 12, 1278.	4.0	1
4612	Ultraviolet Spectroscopy and TARDIS Models of the Broad-lined Type Ic Supernova 2014ad. Astrophysical Journal, 2022, 937, 40.	4.5	5
4613	Cosmic ray interstellar propagation tool using ItÃ´ Calculus (<scp>criptic</scp>): software for simultaneous calculation of cosmic ray transport and observational signatures. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1355-1380.	4.4	7
4614	CMB power spectra and cosmological parameters from <i>Planck</i> PR4 with CamSpec. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4620-4636.	4.4	18
4616	Emission Estimation of On-Demand Meal Delivery Services Using a Macroscopic Simulation. International Journal of Environmental Research and Public Health, 2022, 19, 11667.	2.6	4
4617	Semi-Empirical Calculation of Bodipy Aggregate Spectroscopic Properties through Direct Sampling of Configurational Ensembles. International Journal of Molecular Sciences, 2022, 23, 10955.	4.1	1
4619	Improving the accuracy of estimators for the two-point correlation function. Astronomy and Astrophysics, 0, , .	5.1	0
4620	<i>Gaia</i>â€"TESS synergy: improving the identification of transit candidates. Astronomy and Astrophysics, 2022, 667, A14.	5.1	2
4621	Inferring risks of coronavirus transmission from community household data. Statistical Methods in Medical Research, 2022, 31, 1738-1756.	1.5	11
4622	A Bayesian model for chronic pain. Frontiers in Pain Research, 0, 3, .	2.0	6
4623	Migratory Outbursting Quasi-Hilda Object 282P/(323137) 2003 BM80* **. Astrophysical Journal Letters, 2022, 937, L2.	8.3	13
4624	Cloud-enabled Biodepot workflow builder integrates image processing using Fiji with reproducible data analysis using Jupyter notebooks. Scientific Reports, 2022, 12, .	3.3	1

#	ARTICLE	IF	CITATIONS
4626	First Light and Reionisation Epoch Simulations (FLARES) â€" VI. The colour evolution of galaxies <i>z</i>Â= 5â€"15. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3227-3235.	4.4	14
4627	Exploring the Potential of Machine Learning for Modeling Growth Dynamics in an Uneven-Aged Forest at the Level of Diameter Classes: A Comparative Analysis of Two Modeling Approaches. Forests, 2022, 13, 1432.	2.1	1
4628	Symmetrization in the Calculation Pipeline of Gauss Function-Based Modeling of Hydrophobicity in Protein Structures. Symmetry, 2022, 14, 1876.	2.2	2
4629	Image Subtraction in Fourier Space. Astrophysical Journal, 2022, 936, 157.	4.5	10
4630	The binary system of the spinning-top Be star Achernar. Astronomy and Astrophysics, 0, , .	5.1	2
4631	Active galactic nucleus feedback in NGC 3982. Astronomy and Astrophysics, 2022, 667, A88.	5.1	1
4632	Zwicky Transient Facility and Globular Clusters: The Periodâ€"Luminosity and Periodâ€"Wesenheit Relations for Type II Cepheids. Astronomical Journal, 2022, 164, 154.	4.7	6
4633	Assessing Environmental Factors of Alluvial Fan Formation on Titan. Planetary Science Journal, 2022, 3, 223.	3.6	0
4634	Comparative Analysis between Individual, Centralized, and Federated Learning for Smartwatch Based Stress Detection. Journal of Personalized Medicine, 2022, 12, 1584.	2.5	9
4635	Zwicky Transient Facility and Globular Clusters: Calibration of the gr-band Absolute Magnitudes for the Yellow Post-asymptotic-giant-branch Stars. Astronomical Journal, 2022, 164, 166.	4.7	1
4636	Walter: A Tool for Predicting Resolved Stellar Population Observations with Applications to the Roman Space Telescope. Astronomical Journal, 2022, 164, 142.	4.7	0
4637	Possibilities and Limitations of Kinematically Identifying Stars from Accreted Ultra-faint Dwarf Galaxies. Astrophysical Journal, 2022, 937, 14.	4.5	10
4638	A machine learning-based multimodal electrochemical analytical device based on eMoSx-LIG for multiplexed detection of tyrosine and uric acid in sweat and saliva. Analytica Chimica Acta, 2022, 1232, 340447.	5.4	17
4640	An enhanced optical micro-fading device. Journal of Cultural Heritage, 2022, 57, 276-285.	3.3	4
4641	Asymmetrical dose responses shape the evolutionary trade-off between antifungal resistance and nutrient use. Nature Ecology and Evolution, 2022, 6, 1501-1515.	7.8	11
4642	Analysis of Ringdown Overtones in GW150914. Physical Review Letters, 2022, 129, .	7.8	51
4643	Test of the statistical isotropy of the universe using gravitational waves. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 046.	5.4	8
4644	Incommensurate magnetic ordering in CrB$_2$. Journal of Physics Condensed Matter, 2022, 34, 475801.	1.8	0

#	Article	IF	Citations
4645	Constraints on the extragalactic magnetic field strength from blazar spectra based on 145 months of <i>Fermi</i>-LAT observations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5379-5388.	4.4	4
4646	Accurate predictions from small boxes: variance suppression via the Zel'dovich approximation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 059.	5.4	7
4647	Development of a Mobile Sensory Device to Trace Treatment Conditions for Various Medical Plasma Source Devices. Sensors, 2022, 22, 7242.	3.8	1
4648	Variability in Antarctic surface climatology across regional climate models and reanalysis datasets. Cryosphere, 2022, 16, 3815-3841.	3.9	8
4649	A High Performance Simulation Framework for Battery Modular Multilevel Management Converter. , 2022, , .		2
4650	A geothermal heat flow model of Africa based on random forest regression. Frontiers in Earth Science, 0, 10, .	1.8	2
4651	Unveiling the Contribution of Population III Stars in Primeval Galaxies at Redshift ≥6. Astrophysical Journal Letters, 2022, 937, L6.	8.3	10
4652	Hubble Space Telescope Proper Motion (HSTPROMO) Catalogs of Galactic Globular Clusters. VII. Energy Equipartition. Astrophysical Journal, 2022, 936, 154.	4.5	3
4653	Pyleoclim: Paleoclimate Timeseries Analysis and Visualization With Python. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	10
4655	Estimation of Residential PV Power Generation Using Panel Azimuth Information. , 2022, , .		2
4657	Kiloparsec-scale Radio Structure in z ∼ 0.25 Radio-quiet QSOs. Astronomical Journal, 2022, 164, 122.	4.7	3
4658	Downwind control of oceanic air by land: the land wake and its sensitivity to CO_2. Environmental Research Letters, 0, , .	5.2	0
4659	Gravitational Wave Sources in Our Galactic Backyard: Predictions for BHBH, BHNS, and NSNS Binaries Detectable with LISA. Astrophysical Journal, 2022, 937, 118.	4.5	16
4661	Hot-Carrier Transfer across a Nanoparticle–Molecule Junction: The Importance of Orbital Hybridization and Level Alignment. Nano Letters, 2022, 22, 8786-8792.	9.1	15
4662	Collision‐Induced Subduction Polarity Reversal Explains the Crustal Structure of Northern Borneo: New Results From Virtual Deep Seismic Sounding (VDSS). Geophysical Research Letters, 2022, 49, .	4.0	3
4664	Understanding Predictability of Daily Southeast U.S. Precipitation Using Explainable Machine Learning. , 2022, 1, .		3
4665	Mouse Mammary Gland Whole Mount Density Assessment across Different Morphologies Using a Bifurcated Program for Image Processing. American Journal of Pathology, 2022, 192, 1407-1417.	3.8	1
4666	Eliminating proxy errors from capital estimates by targeted exact computation. Annals of Actuarial Science, 0, , 1-24.	1.5	1

#	Article	IF	Citations
4667	Transmission of SARS-CoV-2 in a primary school setting with and without public health measures using real-world contact data: A modelling study. Journal of Global Health, 0, 12, .	2.7	4
4668	The probabilistic random forest applied to the QUBRICS survey: improving the selection of high-redshift quasars with synthetic data. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2436-2453.	4.4	2
4669	The effects of scheduling network models in predictive processes in sports. Social Network Analysis and Mining, 2022, 12, .	2.8	0
4670	Nonperturbative structure in coupled axion sectors and implications for direct detection. Physical Review D, 2022, 106, .	4.7	6
4671	Orbital Decay in M82 X-2. Astrophysical Journal, 2022, 937, 125.	4.5	11
4672	Evaluating the Plausible Range of N_2O Biosignatures on Exo-Earths: An Integrated Biogeochemical, Photochemical, and Spectral Modeling Approach. Astrophysical Journal, 2022, 937, 109.	4.5	5
4674	The Poverty Impacts of Labor Heat Stress in West Africa Under a Warming Climate. Earth's Future, 2022, 10, .	6.3	4
4675	Towards fast machine-learning-assisted Bayesian posterior inference of microseismic event location and source mechanism. Geophysical Journal International, 2022, 232, 1219-1235.	2.4	2
4676	Motion control and planning of a two-dimensional flying machine. , 2022, , .		0
4678	Generation of Solar Coronal White-light Images from SDO/AIA EUV Images by Deep Learning. Astrophysical Journal, 2022, 937, 111.	4.5	2
4679	Calibration of Transition-edge Sensor (TES) Bolometer Arrays with Application to CLASS. Astrophysical Journal, Supplement Series, 2022, 262, 52.	7.7	7
4680	Surface topographies from electron optical images in electron beam powder bed fusion for process monitoring and control. Additive Manufacturing, 2022, 60, 103172.	3.0	4
4681	Accelerating multimodel Bayesian inference, model selection, and systematic studies for gravitational wave astronomy. Physical Review D, 2022, 106, .	4.7	3
4682	On the robustness of thermal comfort against uncertain future climate: A Bayesian bootstrap method. Building and Environment, 2022, 226, 109665.	6.9	2
4683	Stellar angular momentum can be controlled from cosmological initial conditions. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3459-3468.	4.4	6
4684	X-ray imaging of 30 year old wine grape wood reveals cumulative impacts of rootstocks on scion secondary growth and Ravaz index. Horticulture Research, 0, , .	6.3	0
4686	Access to online learning: Machine learning analysis from a social justice perspective. Education and Information Technologies, 2023, 28, 3787-3832.	5.7	1
4687	Probing non-Markovian quantum dynamics with data-driven analysis: Beyond â€œblack-boxâ€• machine-learning models. Physical Review Research, 2022, 4, .	3.6	8

#	Article	IF	Citations
4688	Ion alfvÃ©n velocity fluctuations and implications for the diffusion of streaming cosmic rays. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	9
4689	Linking Earthquake Magnitudeâ€Frequency Statistics and Stress in Viscoâ€Frictional Fault Zone Models. Geophysical Research Letters, 2022, 49, .	4.0	5
4690	The Giant Metrewave Radio Telescope Cold-Hi AT z â‰ˆ 1 Survey. Astrophysical Journal, 2022, 937, 103.	4.5	8
4691	An autonomous cycle of data analysis tasks for the clinical management of dengue. Heliyon, 2022, 8, e10846.	3.2	4
4694	Thermonuclear and electron-capture supernovae from stripped-envelope stars. Astronomy and Astrophysics, 2022, 668, A106.	5.1	4
4695	HyperGal: Hyperspectral scene modeling for supernova typing with the SED Machine integral field spectrograph. Astronomy and Astrophysics, 2022, 668, A43.	5.1	1
4697	Taming numerical errors in simulations of continuous variable non-Gaussian state preparation. Scientific Reports, 2022, 12, .	3.3	1
4700	Augmented Intelligence to Identify Patients With Advanced HeartÂFailure in an Integrated Health System. , 2022, 1, 100123.		4
4701	Deep transfer learning compared to subject-specific models for sEMG decoders. Journal of Neural Engineering, 2022, 19, 056039.	3.5	5
4702	Eruption Forecasting of Strokkur Geyser, Iceland, Using Permutation Entropy. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
4703	Reliability analysis of discrete-state performance functions via adaptive sequential sampling with detection of failure surfaces. Computer Methods in Applied Mechanics and Engineering, 2022, 401, 115606.	6.6	4
4704	RatingsLib: A python library for rating methods with applications. Software Impacts, 2022, 14, 100416.	1.4	0
4705	Evaluating the utility of the Threshold of Toxicological Concern (TTC) and its exclusions in the biocompatibility assessment of extractable chemical substances from medical devices. Computational Toxicology, 2022, 24, 100246.	3.3	1
4706	Using machine learning regression models to predict the pellet quality of pelleted feeds. Animal Feed Science and Technology, 2022, 293, 115443.	2.2	6
4707	Use of machine learning to predict medication adherence in individuals at risk for atherosclerotic cardiovascular disease. Smart Health, 2022, 26, 100328.	3.2	2
4708	Comparison of multi-objective evolutionary algorithms applied to watershed management problem. Journal of Environmental Management, 2022, 324, 116255.	7.8	2
4709	litstudy: A Python package for literature reviews. SoftwareX, 2022, 20, 101207.	2.6	7
4712	Metrics and Continuity in Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 8261-8269.	4.9	2

#	ARTICLE	IF	CITATIONS
4713	Bringing UMAP Closer to the Speed of Light with GPU Acceleration. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 418-426.	4.9	10
4714	Does ENSO Significantly Affect Rice Production In Indonesia? A Preliminary Study Using Computational Time-Series Approach. International Journal on Data Science, 2021, 2, 69-76.	0.3	0
4715	A Novel Approach forÂComputation ofÂMorphological Operations Using theÂNumber Theoretic Transform. Lecture Notes in Computer Science, 2022, , 182-192.	1.3	0
4716	Accurate characterization of dynamic microbial gene expression and growth rate profiles. Synthetic Biology, 2022, 7, .	2.2	2
4717	Complex amorphous oxides: property prediction from high throughput DFT and AI for new material search. Materials Advances, 2022, 3, 8413-8427.	5.4	3
4718	Machine learning in electron microscopy for advanced nanocharacterization: current developments, available tools and future outlook. Nanoscale Horizons, 2022, 7, 1427-1477.	8.0	21
4719	Dimensional Expansion and Time-Series Data Augmentation Policy for Skeleton-Based Pose Estimation. IEEE Access, 2022, 10, 112261-112272.	4.2	3
4720	ASH: *A* Modern Framework for Parallel *S*patial *H*ashing in 3D Perception. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-18.	13.9	3
4721	Modelling of hourly solar irradiance from field measurements in Bandar Lampung. AIP Conference Proceedings, 2022, , .	0.4	0
4722	Scalable Computation ofÂPrediction Intervals forÂNeural Networks viaÂMatrix Sketching. Lecture Notes in Computer Science, 2022, , 225-238.	1.3	1
4723	SOS! Self-supervised Learning overÂSets ofÂHandled Objects inÂEgocentric Action Recognition. Lecture Notes in Computer Science, 2022, , 604-620.	1.3	1
4724	SRGz: Building an Optical Cross-Match Model for the X-ray SRG/eROSITA Sources Using the Lockman Hole Data. Astronomy Letters, 2022, 48, 109-125.	1.0	4
4725	HUDD. , 2022, , .		4
4726	Dynaplex. , 2022, , .		0
4727	Does coding in Pythonic zen peak performance?. , 2022, , .		1
4728	Activity Classification of an Unmanned Aerial Vehicle Using Tsetlin Machine. , 2022, , .		1
4729	Prediction of Battery Capacity Based on Deep Residual Network. , 2022, , .		0
4730	Implementation of Machine Learning on Human Frequency-Following Responses: A Tutorial. Seminars in Hearing, 2022, 43, 251-274.	1.2	1

#	Article	IF	Citations
4731	Python Implementation of the Dynamic Distributed Dimensional Data Model. , 2022, , .		1
4732	Classification Algorithms for Analyzing Parkinson's Disease Patient. , 2022, , .		0
4733	Machine-learning classification of astronomical sources: estimating F1-score in the absence of ground truth. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 517, L116-L120.	3.3	5
4734	Query Response Time Comparison SQL and No SQL for Contact Tracing Application. Procedia of Engineering and Life Science, 2022, 2, .	0.1	0
4735	The sensitivity of the Fitch wind farm parameterization to a three-dimensional planetary boundary layer scheme. Wind Energy Science, 2022, 7, 2085-2098.	3.3	5
4736	Comparing simulated Milky Way satellite galaxies with observations using unsupervised clustering. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4737	Comparison of three-dimensional body centre of mass trajectories during locomotion through zero- and one-dimensional statistics. Scientific Reports, 2022, 12, .	3.3	1
4739	Internal calibration for opportunistic computed tomography muscle density analysis. PLoS ONE, 2022, 17, e0273203.	2.5	1
4740	Perception and memory have distinct spatial tuning properties in human visual cortex. Nature Communications, 2022, 13, .	12.8	16
4742	Aquila: a spatial omics database and analysis platform. Nucleic Acids Research, 2023, 51, D827-D834.	14.5	7
4743	Assessing the Potential for Liquid Solvents from X-ray Sources: Considerations on Bodies Orbiting Active Galactic Nuclei. Galaxies, 2022, 10, 101.	3.0	0
4744	A Biomedical Case Study Showing That Tuning Random Forests Can Fundamentally Change the Interpretation of Supervised Data Structure Exploration Aimed at Knowledge Discovery. BioMedInformatics, 2022, 2, 544-552.	2.0	5
4745	CompoundRay, an open-source tool for high-speed and high-fidelity rendering of compound eyes. ELife, 0, 11, .	6.0	3
4746	Paleogeographic Reconstructions of an Ocean Margin on Mars Based on Deltaic Sedimentology at Aeolis Dorsa. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	7
4747	OpenBloodFlow: A User-Friendly OpenCV-Based Software Package for Blood Flow Velocity and Blood Cell Count Measurement for Fish Embryos. Biology, 2022, 11, 1471.	2.8	2
4748	Direct visualization of cooperative adsorption of a string-like molecule onto a solid. Science Advances, 2022, 8, .	10.3	5
4749	A Multiwavelength View of IC 860: What Is in Action inside Quenching Galaxies [*]. Astrophysical Journal, 2022, 938, 63.	4.5	7
4750	Can the Violent Merger of White Dwarfs Explain the Slowest Declining Type Ia Supernova SN 2011aa?. Astrophysical Journal Letters, 2022, 938, L22.	8.3	2

#	Article	IF	Citations
4751	Kicks in charged black hole binaries. Physical Review D, 2022, 106, .	4.7	4
4752	Zwicky Transient Facility and Globular Clusters: The Periodâ€"Luminosity and Periodâ€"Wesenheit Relations for Anomalous Cepheids Supplemented with Large Magellanic Cloud Sample. Astronomical Journal, 2022, 164, 191.	4.7	5
4753	Linear programming with nonparametric penalty programs and iterated thresholding. Optimization Methods and Software, 0, , 1-21.	2.4	0
4754	A Transient â€œChanging-lookâ€•Active Galactic Nucleus Resolved on Month Timescales from First-year Sloan Digital Sky Survey V Data. Astrophysical Journal Letters, 2022, 939, L16.	8.3	10
4756	Automated snow avalanche release area delineation in data-sparse, remote, and forested regions. Natural Hazards and Earth System Sciences, 2022, 22, 3247-3270.	3.6	5
4757	Explore or exploit? A modelâ€•based screening strategy for PETase secretion by <i>Corynebacterium glutamicum</i>. Biotechnology and Bioengineering, 2023, 120, 139-153.	3.3	4
4758	Integration of Simulated and Experimentally Determined Thermophysical Properties of Aqueous Mixtures by ThermoML. Journal of Chemical & Engineering Data, 2022, 67, 3340-3350.	1.9	1
4759	XuILVQ: A River Implementation of the Incremental Learning Vector Quantization for IoT. , 2022, , .		1
4760	Methods-Employing Multisine Electrochemical Impedance Spectroscopy for Batteries In Galvanostatic Mode. Journal of the Electrochemical Society, 2022, 169, 110510.	2.9	3
4761	Remarkable sex-specific differences at single-cell resolution in neonatal hyperoxic lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2023, 324, L5-L31.	2.9	5
4762	Terahertz spectroscopy of spin excitations in magnetoelectric $LiFePO_4$ in high magnetic fields. Physical Review B, 2022, 106, .	3.2	1
4763	Enzymatic generation of double modified AdoMet analogues and their application in cascade reactions with different methyltransferases. ChemBioChem, 0, , .	2.6	4
4764	Comparison of Electron Capture Rates in the N = 50 Region using 1D Simulations of Core-collapse Supernovae. Astrophysical Journal, 2022, 939, 15.	4.5	4
4765	Ice Shelf Basal Melt Rates in the Amundsen Sea at the End of the 21st Century. Geophysical Research Letters, 2022, 49, .	4.0	9
4767	An analysis-ready and quality controlled resource for pediatric brain white-matter research. Scientific Data, 2022, 9, .	5.3	7
4768	Galaxy Zoo: Clump Scout â€" Design and first application of a two-dimensional aggregation tool for citizen science. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5882-5911.	4.4	1
4769	A study of the magnetic activity and variability of GJ 436. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3147-3163.	4.4	5
4770	Competition for endothelial cell polarity drives vascular morphogenesis in the mouse retina. Developmental Cell, 2022, 57, 2321-2333.e9.	7.0	14

#	Article	IF	Citations
4771	Small molecules targeting the disordered transactivation domain of the androgen receptor induce the formation of collapsed helical states. Nature Communications, 2022, 13, .	12.8	21
4772	Efficient Detection and Characterization of Exoplanets within the Diffraction Limit: Nulling with a Mode-selective Photonic Lantern. Astrophysical Journal, 2022, 938, 140.	4.5	6
4773	Multigroup Radiation Magnetohydrodynamics Based on Discrete Ordinates including Compton Scattering. Astrophysical Journal, Supplement Series, 2022, 263, 4.	7.7	9
4774	Artifacts Generated by the 3D Rotation of a Freely-Swimming Human Sperm in the Measurement of Intracellular Ca2+. IFMBE Proceedings, 2023, , 355-362.	0.3	1
4775	Resultant physical properties of as-built nitinol processed at specific volumetric energy densities and correlation with in-situ melt pool temperatures. Journal of Materials Research and Technology, 2022, 21, 2757-2777.	5.8	9
4776	The thermal and non-thermal components within and between galaxy clusters Abell 399 and Abell 401. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5232-5246.	4.4	2
4777	Revisiting radial velocity measurements of the K2-18 system with the line-by-line framework. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5050-5062.	4.4	5
4778	Mapping Lunar Swirls with Machine Learning: The Application of Unsupervised and Supervised Image Classification Algorithms in Reiner Gamma and Mare Ingenii. Planetary Science Journal, 2022, 3, 231.	3.6	2
4780	The Directly Imaged Exoplanet Host Star 51 Eridani is a Gamma Doradus Pulsator. Astrophysical Journal, 2022, 938, 49.	4.5	4
4782	Mineralochemical Mechanism for the Formation of Salt Volcanoes: The Case of Mount Dallol (Afar) Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	2
4784	Learning deep representations of enzyme thermal adaptation. Protein Science, 2022, 31, .	7.6	6
4785	The rediscovered motor-related area 55b emerges as a core hub of music perception. Communications Biology, 2022, 5, .	4.4	4
4786	Magnetic field evolution in cosmic filaments with LOFAR data. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2273-2286.	4.4	10
4787	The Emptiness Inside: Finding Gaps, Valleys, and Lacunae with Geometric Data Analysis. Astronomical Journal, 2022, 164, 226.	4.7	2
4788	MAGAZ3NE: High Stellar Velocity Dispersions for Ultramassive Quiescent Galaxies at z â‰³ 3*. Astrophysical Journal, 2022, 938, 109.	4.5	6
4789	Designing all-pay auctions using deep learning and multi-agent simulation. Scientific Reports, 2022, 12, .	3.3	1
4790	The effect of the deforming dark matter haloes of the Milky Way and the Large Magellanic Cloud on the Orphanâ€"Chenab stream. Monthly Notices of the Royal Astronomical Society, 2022, 518, 774-790.	4.4	21
4793	Signatures of Mass Ratio Reversal in Gravitational Waves from Merging Binary Black Holes. Astrophysical Journal, 2022, 938, 45.	4.5	13

#	Article	IF	Citations
4794	From Clusters to Proto-Clusters: The Infrared Perspective on Environmental Galaxy Evolution. Universe, 2022, 8, 554.	2.5	11
4795	An automated method for graphâ€based chemical space exploration and transition state finding. Journal of Computational Chemistry, 2023, 44, 27-42.	3.3	6
4796	Protostellar and Protoplanetary Disk Masses in the Serpens Region. Astrophysical Journal, 2022, 938, 55.	4.5	5
4797	Relative energies without electronic perturbations via alchemical integral transform. Journal of Chemical Physics, 2022, 157, 164109.	3.0	2
4798	Using simulation and machine learning to maximise the benefit of intravenous thrombolysis in acute stroke in England and Wales: the SAMueL modelling and qualitative study. , 2022, 10, 1-148.		4
4799	Inhibited KdpFABC transitions into an E1 off-cycle state. ELife, 0, 11, .	6.0	5
4800	Five material tissue decomposition by dual energy computed tomography. Scientific Reports, 2022, 12, .	3.3	1
4801	Revisiting the Iconic Spitzer Phase Curve of 55 Cancri e: Hotter Dayside, Cooler Nightside, and Smaller Phase Offset. Astronomical Journal, 2022, 164, 204.	4.7	10
4802	Phase Mixing and the 1/f Spectrum in the Solar Wind. Astrophysical Journal, 2022, 938, 98.	4.5	5
4803	Smoke on the wind: dust nucleation in archetype colliding wind pinwheel WRÂ104. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4804	Sequential Star Formation in the Young SMC Region NGC 602: Insights from ALMA. Astrophysical Journal, 2022, 938, 82.	4.5	1
4805	A toolkit for wide-screen dynamic area of interest measurements using the Pupil Labs Core Eye Tracker. Behavior Research Methods, 0, , .	4.0	1
4806	Interlopers speak out: studying the dark universe using small-scale lensing anisotropies. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5843-5861.	4.4	3
4807	Privacy-preserving Reflection Rendering for Augmented Reality. , 2022, , .		1
4808	Gauge-equivariant flow models for sampling in lattice field theories with pseudofermions. Physical Review D, 2022, 106, .	4.7	16
4809	Disentangling Multiple Stochastic Gravitational Wave Background Sources in PTA Data Sets. Astrophysical Journal, 2022, 938, 115.	4.5	11
4810	A Hydro-based MCMC Analysis of SNR 0509â^'67.5: Revealing the Explosion Properties from Fluid Discontinuities Alone. Astrophysical Journal, 2022, 938, 121.	4.5	2
4811	Using debris disk observations to infer substellar companions orbiting within or outside a parent planetesimal belt. Astronomy and Astrophysics, 2023, 669, A3.	5.1	2

#	ARTICLE	IF	CITATIONS
4812	Ab Initio Study of H‐Bond Dynamics in Three‐Component Crystals Comprising (DABCOH$^+$)$_n$ Polycationic Chains. ChemPhysChem, 2023, 24, .	2.1	0
4813	The signature of lithospheric anisotropy at post‐subduction continental margins: New insight from XKS splitting analysis in northern Borneo. Geochemistry, Geophysics, Geosystems, 0, , .	2.5	1
4814	Measured IOPs of Jerlov water types. Applied Optics, 2022, 61, 9951.	1.8	5
4815	Semi-empirical model of a variable speed scroll compressor for R-290 with the focus on compressor efficiencies and transferability. International Journal of Refrigeration, 2023, 146, 483-499.	3.4	2
4817	Deep investigation of neutral gas origins (DINGO): H‰i stacking experiments with early science data. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4646-4671.	4.4	7
4818	The miniJPAS survey quasar selection – I. Mock catalogues for classification. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3476-3493.	4.4	7
4819	Ring Fault Slip Reversal at BárÃ°arbunga Volcano, Iceland: Seismicity During Caldera Collapse and Re‐Inflation 2014–2018. Geophysical Research Letters, 2022, 49, .	4.0	2
4820	Enhanced metanephric specification to functional proximal tubule enables toxicity screening and infectious disease modelling in kidney organoids. Nature Communications, 2022, 13, .	12.8	27
4821	Activated I-BAR IRSp53 clustering controls the formation of VASP-actin‐based membrane protrusions. Science Advances, 2022, 8, .	10.3	18
4822	MAGIC: Microlensing Analysis Guided by Intelligent Computation. Astronomical Journal, 2022, 164, 192.	4.7	1
4823	Revisit the periodicity of SGR J1935+2154 bursts with updated sample. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3854-3863.	4.4	4
4824	Did the Milky Way just light up? The recent star formation history of the Galactic disc. Astronomy and Astrophysics, 2023, 669, A10.	5.1	2
4825	Debiasing the Minimum-mass Extrasolar Nebula: On the Diversity of Solid Disk Profiles. Astronomical Journal, 2022, 164, 210.	4.7	3
4826	Molecular simulation of lignin-related aromatic compound permeation through gram-negative bacterial outer membranes. Journal of Biological Chemistry, 2022, 298, 102627.	3.4	5
4827	Impact of the Universe's expansion rate on constraints on modified growth of structure. Physical Review D, 2022, 106, .	4.7	3
4828	Lifting Hospital Electronic Health Record Data Treasures: Challenges and Opportunities. JMIR Medical Informatics, 2022, 10, e38557.	2.6	4
4829	The density distribution and physical origins of intermittency in supersonic, highly magnetized turbulence with diverse modes of driving. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5003-5031.	4.4	6
4830	Introducing block-Toeplitz covariance matrices to remaster linear discriminant analysis for event-related potential brain‐computer interfaces. Journal of Neural Engineering, 2022, 19, 066001.	3.5	2

#	ARTICLE	IF	CITATIONS
4831	Use of synthetic Fe$_3$O$_4$-rich tribofilms to investigate the effect of microconstituents, temperature and atmosphere on the friction coefficient during pin-on-disc tribotest. Surface Topography: Metrology and Properties, 2022, 10, 044009.	1.6	1
4833	APPROACH TO THE STUDY OF THE DYNAMICS OF UNIT CELL PARAMETERS OF SINGLE CRYSTALS IN A WIDE TEMPERATURE RANGE ON THE EXAMPLE OF Ag0.39Li0.61GaSe2. Journal of Structural Chemistry, 2022, 63, 1662-1669.	1.0	2
4835	Nanomesh: A Python workflow tool for generating meshes from image data. Journal of Open Source Software, 2022, 7, 4654.	4.6	0
4836	Approach for graph-based individual branch modelling of meadow orchard trees with 3D point clouds. Precision Agriculture, 2022, 23, 1967-1982.	6.0	2
4837	2FAST2Q: a general-purpose sequence search and counting program for FASTQ files. PeerJ, 0, 10, e14041.	2.0	4
4838	Release of TESS Objects of Interest from TESS-SPOC Sectors 48 to 50 Full Frame Images. Research Notes of the AAS, 2022, 6, 207.	0.7	0
4839	Variational quantum eigensolver ansatz for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mr...-model. Physical Review B, 2022, 106, .	3.2	3
4840	Quantification of Upper Limb Movements in Patients with Hereditary or Idiopathic Ataxia. Cerebellum, 0, , .	2.5	0
4841	Precision Calibration of Radio Interferometers for 21 cm Cosmology with No Redundancy and Little Knowledge of Antenna Beams and the Radio Sky. Astrophysical Journal, 2022, 938, 151.	4.5	2
4842	Investigating the Provision and Context of Use of Hearing Aid Listening Programs From Real-world Data: Observational Study. Journal of Medical Internet Research, 2022, 24, e36671.	4.3	3
4843	Probing Photon Statistics in Adaptive Optics Images with SCExAO/MEC*. Astronomical Journal, 2022, 164, 186.	4.7	1
4844	TriCCo v1.1.0 â€" a cubulation-based method for computing connected components on triangular grids. Geoscientific Model Development, 2022, 15, 7489-7504.	3.6	0
4845	Fast Neutrino Cooling in the Accreting Neutron Star MXB 1659-29. Astrophysical Journal, 2022, 938, 119.	4.5	3
4846	Data mining techniques on astronomical spectra data â€" I. Clustering analysis. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5496-5523.	4.4	7
4847	Alternative Methylated Biosignatures. I. Methyl Bromide, a Capstone Biosignature. Astrophysical Journal, 2022, 938, 6.	4.5	7
4848	fSEAD: A Composable FPGA-based Streaming Ensemble Anomaly Detection Library. ACM Transactions on Reconfigurable Technology and Systems, 2023, 16, 1-27.	2.5	1
4849	Searching for axion dark matter with the MeerKAT radio telescope. Physical Review D, 2022, 106, .	4.7	1
4850	An empirical model of the *Gaia* DR3 selection function. Astronomy and Astrophysics, 2023, 669, A55.	5.1	27

#	Article	IF	Citations
4852	Characterization of the HD 108236 system with CHEOPS and TESS Confirmation of a fifth transiting planet. Astronomy and Astrophysics, 2022, 668, A117.	5.1	5
4854	Empirical H/V spectral ratios at the InSight landing site and implications for the martian subsurface structure. Geophysical Journal International, 2022, 232, 1293-1310.	2.4	8
4855	<i>SASSIER22</i>: Full‐Waveform Tomography of the Eastern Indonesian Region That Includes Topography, Bathymetry, and the Fluid Ocean. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
4856	CNN-based fire detection method on autonomous ships using composite channels composed of RGB and IR data. International Journal of Naval Architecture and Ocean Engineering, 2022, 14, 100489.	2.3	9
4857	Decomposition into dynamic features reveals a conserved temporal structure in hand kinematics. IScience, 2022, 25, 105428.	4.1	0
4858	Computer vision-based approach to detect fatigue driving and face mask for edge computing device. Heliyon, 2022, 8, e11204.	3.2	7
4859	Gys-Recon a Field Reconnaissance Engine Based on a Combination of Gis, Machine Learning, and Computer Vision Technologies on Satellite Images and Maps. , 2022, , .		0
4860	Machine-Learning-Enabled Design and Manipulation of a Microfluidic Concentration Gradient Generator. Micromachines, 2022, 13, 1810.	2.9	8
4861	Non-intuitive trends of fetal fraction development related to gestational age and fetal gender, and their practical implications for non-invasive prenatal testing. Molecular and Cellular Probes, 2022, , 101870.	2.1	1
4862	Copper coordination states affect the flexibility of copper Metallochaperone Atox1: Insights from molecular dynamics simulations. Protein Science, 2022, 31, .	7.6	3
4863	Improved AI-generated Solar Farside Magnetograms by STEREO and SDO Data Sets and Their Release. Astrophysical Journal, Supplement Series, 2022, 262, 50.	7.7	9
4864	Trends and Developments in Medical Liability Claims in The Netherlands. Healthcare (Switzerland), 2022, 10, 1929.	2.0	1
4865	Sustained FU Orionis-type outbursts from colliding discs in stellar flybys. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4436-4446.	4.4	9
4866	An N-glycan on the C2 domain of JAGGED1 is important for Notch activation. Science Signaling, 2022, 15, .	3.6	3
4867	Quantum Chemical Roots of Machine-Learning Molecular Similarity Descriptors. Journal of Chemical Theory and Computation, 2022, 18, 6670-6689.	5.3	7
4869	Setting the Standard: Using the ABA Burn Registry to Benchmark Risk Adjusted Mortality. Journal of Burn Care and Research, 0, , .	0.4	0
4871	Residual neural networks for the prediction of planetary collision outcomes. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4872	Unified field theoretical approach to deep and recurrent neuronal networks. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 103401.	2.3	4

#	ARTICLE	IF	CITATIONS
4873	Isothermal Titration Calorimetry Analysis of a Cooperative Riboswitch Using an Interdependent-Sites Binding Model. Methods in Molecular Biology, 2023, , 53-73.	0.9	2
4874	APPLESOSS: A Producer of ProfiLEs for SOSS. Application to the NIRISS SOSS Mode. Publications of the Astronomical Society of the Pacific, 2022, 134, 104502.	3.1	11
4875	Glider observations of thermohaline staircases in the tropical North Atlantic using an automated classifier. Geoscientific Instrumentation, Methods and Data Systems, 2022, 11, 359-373.	1.6	1
4876	Probing the speed of gravity with LVK, LISA, and joint observations. General Relativity and Gravitation, 2022, 54, .	2.0	5
4877	Simons Observatory: characterizing the Large Aperture Telescope Receiver with radio holography. Applied Optics, 2022, 61, 10309.	1.8	2
4878	Bisected graph matching improves automated pairing of bilaterally homologous neurons from connectomes. Network Neuroscience, 0, , 1-29.	2.6	1
4879	A <i>Gaia</i> EDR3 search for tidal tails in disintegrating open clusters. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3525-3549.	4.4	4
4880	The Diverse Properties of Type Icn Supernovae Point to Multiple Progenitor Channels. Astrophysical Journal, 2022, 938, 73.	4.5	14
4881	The SpacePy space science package at 12Âyears. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	2
4882	isomiRTar: a comprehensive portal of pan-cancer 5â€²-isomiR targeting. PeerJ, 0, 10, e14205.	2.0	6
4883	A 4 Gyr M-dwarf Gyrochrone from CFHT/MegaPrime Monitoring of the Open Cluster M67. Astrophysical Journal, 2022, 938, 118.	4.5	23
4884	Delocalized photonic deep learning on the internetâ€™s edge. Science, 2022, 378, 270-276.	12.6	46
4885	Chaos in synthetic microbial communities. PLoS Computational Biology, 2022, 18, e1010548.	3.2	4
4886	Nested Sampling aided determination of tantalum optical constants in the EUV spectral range. Applied Optics, 2022, 61, 10032.	1.8	1
4888	Peeking beneath the precision floor â€“ I. Metallicity spreads and multiple elemental dispersions in the globular clusters NGCÂ288 and NGCÂ362. Monthly Notices of the Royal Astronomical Society, 2022, 518, 965-986.	4.4	7
4889	Open-Source Computational Photonics with Auto Differentiable Topology Optimization. Mathematics, 2022, 10, 3912.	2.2	3
4890	Lidar Attenuation Through a Physical Model of Grass-Like Vegetation. ASME Journal of Autonomous Vehicles and Systems, 2022, 2, .	0.7	1
4892	On the depletion behaviour of low-temperature covalently bonded silicon sensor diodes. Journal of Instrumentation, 2022, 17, C10015.	1.2	1

#	Article	IF	Citations
4893	Assessing coincident neutrino detections using population models. Astronomy and Astrophysics, 2022, 668, A190.	5.1	1
4894	Segmentation of SEM images of multiphase materials: When Gaussian mixture models are accurate?. Journal of Microscopy, 2023, 289, 58-70.	1.8	2
4896	A deductive design method to simplify ASCE 41-17 nonlinear static procedure preserving the adjusted collapse margin ratio of steel moment frames. Asian Journal of Civil Engineering, 0, , .	1.6	0
4898	Statistical Plasma Properties of the Planar and Nonplanar ICME Magnetic Clouds during Solar Cycles 23 and 24. Astrophysical Journal, 2022, 938, 146.	4.5	10
4899	Modeling geomagnetic induction in submarine cables. Frontiers in Physics, 0, 10, .	2.1	2
4900	X-ray properties of high-redshift Radio Loud and Radio Quiet Quasars observed by Chandra. Journal of High Energy Astrophysics, 2022, 36, 152-161.	6.7	0
4901	Charge Transport Across Auâ€"P3HTâ€"Graphene van der Waals Vertical Heterostructures. ACS Applied Materials & Interfaces, 2022, 14, 48240-48249.	8.0	7
4902	Discovery of double BSS sequences in the old Galactic open cluster Berkeley 17. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 518, L7-L12.	3.3	2
4903	PyImageJ: A library for integrating ImageJ and Python. Nature Methods, 2022, 19, 1326-1327.	19.0	15
4904	Observation of a Coreâ€Diffracted Pâ€Wave From a Farside Impact With Implications for the Lowerâ€Mantle Structure of Mars. Geophysical Research Letters, 2022, 49, .	4.0	11
4905	Deep Learning-Based Time-Series Analysis for Detecting Anomalies in Internet of Things. Electronics (Switzerland), 2022, 11, 3205.	3.1	9
4906	High-resolution micro-CT for 3D infarct characterization and segmentation in mice stroke models. Scientific Reports, 2022, 12, .	3.3	2
4907	Reducing the complexity of chemical networks via interpretable autoencoders. Astronomy and Astrophysics, 2022, 668, A139.	5.1	8
4909	TIC 114936199: A Quadruple Star System with a 12 Day Outer-orbit Eclipse. Astrophysical Journal, 2022, 938, 133.	4.5	3
4910	Iterative angular differential imaging (IADI): An exploration of recovering disk structures in scattered light with an iterative ADI approach. Astronomy and Astrophysics, 2022, 668, A50.	5.1	3
4911	Forecasting the Geomagnetic Activity Several Days in Advance Using Neural Networks Driven by Solar EUV Imaging. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
4913	Tunability of the optical constants of tantalum-cobalt alloys thin films in the extreme ultraviolet. Optical Materials Express, 0, , .	3.0	0
4914	Deep and fast Solar System flybys: the controversial case of WD 0810-353. Astronomy and Astrophysics, 2022, 668, A14.	5.1	3

#	Article	IF	Citations
4915	Selection of Soybean Genotypes under Drought and Saline Stress Conditions Using Manhattan Distance and TOPSIS. Plants, 2022, 11, 2827.	3.5	4
4916	Network Filtering of Spatial-temporal GNN for Multivariate Time-series Prediction. , 2022, , .		2
4917	Residence Times from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2022, 126, 8804-8812.	2.6	3
4918	Adult-born dentate granule cells promote hippocampal population sparsity. Nature Neuroscience, 2022, 25, 1481-1491.	14.8	37
4919	The MOSDEF survey: a new view of a remarkable z Â= 1.89 merger. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4405-4416.	4.4	0
4920	Laminin Adsorption and Adhesion of Neurons and Glial Cells on Carbon Implanted Titania Nanotube Scaffolds for Neural Implant Applications. Nanomaterials, 2022, 12, 3858.	4.1	1
4921	Solving the Multimessenger Puzzle of the AGN-starburst Composite Galaxy NGC 1068. Astrophysical Journal, 2022, 939, 43.	4.5	20
4923	Padasip: An open-source Python toolbox for adaptive filtering. Journal of Computational Science, 2022, 65, 101887.	2.9	2
4924	Auxetic behavior and unusual shear resistance of crumpled materials: Opportunities for programming the nonlinear responses of crumpled mechanical metamaterials. Materials and Design, 2022, 223, 111258.	7.0	8
4925	An Enquiry on similarities between Renormalization Group and Auto-Encoders using Transfer Learning. Physica A: Statistical Mechanics and Its Applications, 2022, , 128276.	2.6	0
4926	A tale of a tail: a tidally disrupting ultra-diffuse galaxy in the M81 group. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2497-2510.	4.4	4
4928	TOI-969: a late-K dwarf with a hot mini-Neptune in the desert and an eccentric cold Jupiter. Astronomy and Astrophysics, 2023, 669, A109.	5.1	3
4929	DeepFake knee osteoarthritis X-rays from generative adversarial neural networks deceive medical experts and offer augmentation potential to automatic classification. Scientific Reports, 2022, 12, .	3.3	11
4930	Recurrent Neural Network Model of Human Event-related Potentials in Response to Intensity Oddball Stimulation. Neuroscience, 2022, 504, 63-74.	2.3	7
4931	Modelling can reduce contamination from mosquito population control. Stochastic Environmental Research and Risk Assessment, 0, , .	4.0	0
4932	Climate change conditions the selection of rust-resistant candidate wild lentil populations for in situ conservation. Frontiers in Plant Science, 0, 13, .	3.6	3
4933	Bases for Computer Programming. Lecture Notes on Numerical Methods in Engineering and Sciences, 2023, , 285-379.	0.0	0
4934	Multiomics Characterization of the Canada Goose Fecal Microbiome Reveals Selective Efficacy of Simulated Metagenomes. Microbiology Spectrum, 2022, 10, .	3.0	5

#	Article	IF	Citations
4935	Discrete Integrable Systems and Random Lax Matrices. Journal of Statistical Physics, 2023, 190, .	1.2	1
4936	Analysis of RNA virome in rectal swabs of healthy and diarrheic pigs of different age. Comparative Immunology, Microbiology and Infectious Diseases, 2022, 90-91, 101892.	1.6	5
4937	GAVISUNK: genome assembly validation via inter-SUNK distances in Oxford Nanopore reads. Bioinformatics, 2023, 39, .	4.1	5
4938	Mapping Milky Way disk perturbations in stellar number density and vertical velocity using *Gaia* DR3. Astronomy and Astrophysics, 2022, 668, A95.	5.1	10
4939	PEO-*b*-PBD Diblock Copolymers Induce Packing Defects in Lipid/Hybrid Membranes and Improve Insertion Rates of Natively Folded Peptides. Biomacromolecules, 2022, 23, 4756-4765.	5.4	8
4940	tRNA abundance, modification and fragmentation in nasopharyngeal swabs as biomarkers for COVID-19 severity. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	3
4942	A multi-band study and exploration of the radio wave–γ-ray connection in 3C 84. Astronomy and Astrophysics, 2023, 669, A32.	5.1	5
4943	Protection of insect neurons by erythropoietin/CRLF3-mediated regulation of pro-apoptotic acetylcholinesterase. Scientific Reports, 2022, 12, .	3.3	2
4944	Data-driven cymbal bronze alloy identification via evolutionary machine learning with automatic feature selection. Journal of Intelligent Manufacturing, 2024, 35, 257-273.	7.3	0
4945	STRIDES: automated uniform models for 30 quadruply imaged quasars. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1260-1300.	4.4	20
4946	Fast grid-free strength mapping of multiple sound sources from microphone array data using a Transformer architecture. Journal of the Acoustical Society of America, 2022, 152, 2543-2556.	1.1	6
4947	Faint Stars in a Faint Galaxy. II. The Low-mass Stellar Initial Mass Function of the Boötes I Ultrafaint Dwarf Spheroidal Galaxy. Astrophysical Journal, 2022, 939, 38.	4.5	1
4948	The Upper Edge of the Neptune Desert Is Stable Against Photoevaporation. Astronomical Journal, 2022, 164, 234.	4.7	19
4949	Efficient framework for structural reliability analysis based on adaptive ensemble learning paired with subset simulation. Structures, 2022, 45, 1738-1750.	3.6	3
4950	<scp>spliceJAC</scp> : transition genes and state-specific gene regulation from single-cell transcriptome data. Molecular Systems Biology, 2022, 18, .	7.2	14
4951	Automatic melt pool recognition in X-ray radiography images from laser-molten Al alloy. Journal of Materials Research and Technology, 2022, , .	5.8	1
4952	RimNet: A Deep Neural Network Pipeline for Automated Identification of the Optic Disc Rim. Ophthalmology Science, 2022, , 100244.	2.5	1
4953	Wavelet transform-based trend analysis of streamflow and precipitation in Upper Blue Nile River basin. Journal of Hydrology: Regional Studies, 2022, 44, 101251.	2.4	8

#	Article	IF	Citations
4954	Convolutional neural network for automated classification of osteonecrosis and related mandibular trabecular patterns. Bone Reports, 2022, 17, 101632.	0.4	1
4955	Receptor-ligand non-equilibrium kinetics (RLNEK) 1.0: An integrated Trackmate laminar flow chamber analysis. Journal of Immunological Methods, 2022, 511, 113381.	1.4	1
4956	Fuzzy-SIRD model: Forecasting COVID-19 death tolls considering governments intervention. Artificial Intelligence in Medicine, 2022, 134, 102422.	6.5	2
4957	Towards development of an intelligent failure analysis system based on infrared thermography. Microelectronics Reliability, 2022, 139, 114823.	1.7	1
4958	A kinetic modeling platform for predicting the efficacy of siRNA formulations inÂvitro and inÂvivo. STAR Protocols, 2022, 3, 101723.	1.2	0
4959	Classification of animal sounds in a hyperdiverse rainforest using convolutional neural networks with data augmentation. Ecological Indicators, 2022, 145, 109621.	6.3	7
4960	Glass-forming ability and structural features of melt-quenched and gel-derived SiO2-TiO2 glasses. Journal of Non-Crystalline Solids, 2022, 598, 121967.	3.1	7
4961	Global horizontal irradiance modeling from environmental inputs using machine learning with automatic model selection. Environmental Development, 2022, 44, 100766.	4.1	4
4962	A review on the selection criteria for the truncated SVD in Data Science applications. Journal of Computational Mathematics and Data Science, 2022, 5, 100064.	2.3	4
4963	TFInterpy: A high-performance spatial interpolation Python package. SoftwareX, 2022, 20, 101229.	2.6	1
4964	Neural networks reveal emergent properties of collective learning in democratic but not despotic groups. Animal Behaviour, 2022, 194, 151-159.	1.9	4
4965	pygrank: A Python package for graph node ranking. SoftwareX, 2022, 20, 101227.	2.6	1
4966	Fractal Analysis of the Optimal Hydraulic Gradient Surface in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2023, 149, .	2.6	2
4967	Enabling mechanical recycling of plastic bottles with shrink sleeves through near-infrared spectroscopy and machine learning algorithms. Resources, Conservation and Recycling, 2023, 188, 106719.	10.8	11
4968	Optimizing Storage for Energy Conservation in Tracking Wireless Sensor Network Objects. Computer Systems Science and Engineering, 2023, 45, 1211-1231.	2.4	1
4969	Towards a fair comparison and realistic evaluation framework of android malware detectors based on static analysis and machine learning. Computers and Security, 2023, 124, 102996.	6.0	10
4970	Volumetric emission tomography for combustion processes. Progress in Energy and Combustion Science, 2023, 94, 101024.	31.2	29
4971	Decomposition and Inference of Sources through Spatiotemporal Analysis of Network Signals: The DISSTANS Python package. Computers and Geosciences, 2023, 170, 105247.	4.2	3

#	Article	IF	Citations
4972	Temperature dependence of crystal growth behavior of AlN on Ni–Al using electromagnetic levitation and computer vision technique. Materials Science in Semiconductor Processing, 2023, 153, 107167.	4.0	1
4973	Multifarious analytical capabilities of the UV/Vis protein fluorescence in blood plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 286, 122028.	3.9	3
4974	Continuous-Time Fitted Value Iteration for Robust Policies. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-15.	13.9	0
4975	Sparse Representation-Based Inundation Depth Estimation Using SAR Data and Digital Elevation Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9062-9072.	4.9	4
4976	JSD: A Dataset for Structure Analysis in Jazz Music. Transactions of the International Society for Music Information Retrieval, 2022, 5, 156-172.	1.5	2
4977	Vibration-Based Status Identification of Power Transmission Poles. IFAC-PapersOnLine, 2022, 55, 214-217.	0.9	2
4978	Accelerating online learning: Machine learning insights into the importance of cumulative experience, independence, and country setting. Computers and Education Artificial Intelligence, 2022, 3, 100106.	10.8	0
4979	Optimization Design of a Saturated Iron Core Fault Current Limiter Using a GA and PSO Algorithms Coupled With Finite Element Method. IEEE Transactions on Applied Superconductivity, 2023, 33, 1-11.	1.7	3
4980	Wireless Measurement of the Degradation Rates of Thin Film Bioresorbable Metals Using Reflected Impedance. IEEE Transactions on Semiconductor Manufacturing, 2023, 36, 14-21.	1.7	1
4981	WALLABY Pilot Survey: Public release of HI kinematic models for more than 100 galaxies from phase 1 of ASKAP pilot observations. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	5
4982	Mitigating Mismatch Compression in Differential Local Field Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 68-77.	4.9	4
4983	Gaussian RBF Centered Kernel Alignment (CKA) in the Large-Bandwidth Limit. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-8.	13.9	1
4984	Combination of explainable machine learning and conceptual density functional theory: applications for the study of key solvation mechanisms. Physical Chemistry Chemical Physics, 2022, 24, 28314-28324.	2.8	3
4985	Feature selection for distance-based regression: An umbrella review and a one-shot wrapper. Neurocomputing, 2023, 518, 344-359.	5.9	4
4986	Solar Panel Power Simulation for Shade Detection. , 2022, , .		1
4987	Community Embeddings with Bayesian Gaussian Mixture Model and Variational Inference. , 2022, , .		0
4988	Ripeness Classification of Cacao Using Cepstral-Based Statistical Features and Support Vector Machine. , 2022, , .		2
4989	DPXPlain. Proceedings of the VLDB Endowment, 2022, 16, 113-126.	3.8	1

#	Article	IF	Citations
4990	Navegación GPS Absoluta y Relativa para Vuelo Satelital en Formación. , 2022, , .		0
4991	Study of a Proposed Spectral-based Approach for Facility Location in Tree Topologies. , 2022, , .		0
4992	Predicting consumption events in a water monitoring system. , 2022, , .		1
4993	Optimal planning of a quantum key distribution system. , 2022, , .		0
4994	Development of artificial neural network models for paediatric critical illness in South Africa. Frontiers in Pediatrics, 0, 10, .	1.9	1
4995	Toward the Automated Detection of Light Echoes in Synoptic Surveys: Considerations on the Application of Deep Convolutional Neural Networks. Astronomical Journal, 2022, 164, 250.	4.7	4
4996	Data mining techniques on astronomical spectra data – II. Classification analysis. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5904-5928.	4.4	9
4997	Towards optimal foreground mitigation strategies for interferometric H‰<scp>i</scp> intensity mapping in the low-redshift Universe. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2971-2990.	4.4	2
4998	High-resolution Hubble Space Telescope Imaging Survey of Local Star-forming Galaxies. I. Spatially Resolved Obscured Star Formation with Hα and Paschen-β Recombination Lines. Astrophysical Journal, Supplement Series, 2022, 263, 17.	7.7	5
4999	CTContour: An open-source Python pipeline for automatic contouring and calculation of mean SSDE along the abdomino-pelvic region for CT images; validation on fifteen systems. Physica Medica, 2022, 103, 190-198.	0.7	1
5000	Self-consistent nanoflare heating in model active regions: MHD avalanches. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1584-1600.	4.4	2
5001	LSST Survey Strategies and Brown Dwarf Parallaxes. Astrophysical Journal, Supplement Series, 2022, 263, 23.	7.7	0
5002	Mineral Soils Are an Important Intermediate Storage Pool of Black Carbon in Fennoscandian Boreal Forests. Global Biogeochemical Cycles, 2022, 36, .	4.9	6
5003	Predicting the Impact of Construction Rework Cost Using an Ensemble Classifier. Sustainability, 2022, 14, 14800.	3.2	8
5004	Model simulations unveil the structure-function-dynamics relationship of the cerebellar cortical microcircuit. Communications Biology, 2022, 5, .	4.4	9
5005	Sociodemographic characteristics differ across routine adult vaccine cohorts: An All of Us descriptive study. Journal of the American Pharmacists Association: JAPhA, 2023, 63, 582-591.e20.	1.5	1
5006	Explainable Machine Learning for Financial Distress Prediction: Evidence from Vietnam. Data, 2022, 7, 160.	2.3	10
5008	Isolated Massive Star Formation in G28.20-0.05. Astrophysical Journal, 2022, 939, 120.	4.5	7

#	ARTICLE	IF	CITATIONS
5010	The cityseer Python package for pedestrian-scale network-based urban analysis. Environment and Planning B: Urban Analytics and City Science, 2023, 50, 1328-1344.	2.0	3
5011	pySYD: Automated measurements of global asteroseismic parameters. Journal of Open Source Software, 2022, 7, 3331.	4.6	8
5012	Superpixel and Supervoxel Segmentation Assessment of Landslides Using UAV-Derived Models. Remote Sensing, 2022, 14, 5668.	4.0	2
5013	NICMOS Kernel-phase Interferometry. I. Catalogue of Brown Dwarfs Observed in F110W and F170M. Astronomical Journal, 2022, 164, 244.	4.7	2
5014	MarsQuakeNet: A More Complete Marsquake Catalog Obtained by Deep Learning Techniques. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	5
5015	A GMOS/IFU Study of Jellyfish Galaxies in Massive Clusters. Astrophysical Journal, 2022, 940, 24.	4.5	1
5016	Voltage imaging reveals the dynamic electrical signatures of human breast cancer cells. Communications Biology, 2022, 5, .	4.4	12
5017	Charting Galactic Accelerations with Stellar Streams and Machine Learning. Astrophysical Journal, 2022, 940, 22.	4.5	6
5018	Optimal Design of Asymmetric Rotor Pole for Interior Permanent Magnet Synchronous Motor Using Topology Optimization. Energies, 2022, 15, 8254.	3.1	2
5019	Curious case of GW200129: Interplay between spin-precession inference and data-quality issues. Physical Review D, 2022, 106, .	4.7	28
5020	Perineuronal nets restrict transport near the neuron surface: A coarse-grained molecular dynamics study. Frontiers in Computational Neuroscience, 0, 16, .	2.1	2
5021	Sequencing Illumina libraries at high accuracy on the ONT MinION using R2C2. Genome Research, 2022, 32, 2092-2106.	5.5	6
5022	A connectomics-based taxonomy of mammals. ELife, 0, 11, .	6.0	12
5023	Bridging the Gap—The Disappearance of the Intermediate Period Gap for Fully Convective Stars, Uncovered by New ZTF Rotation Periods. Astronomical Journal, 2022, 164, 251.	4.7	11
5024	Does absorption against AGN reveal supermassive black hole accretion?. Monthly Notices of the Royal Astronomical Society, 2022, 518, 878-892.	4.4	9
5025	Estimating the warm dark matter mass from strong lensing images with truncated marginal neural ratio estimation. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2746-2760.	4.4	5
5028	New CNN-based tool to discriminate anthropogenic from natural low magnitude seismic events. Geophysical Journal International, 2022, 232, 2119-2132.	2.4	5
5031	Complexes++: Efficient and versatile coarse-grained simulations of protein complexes and their dense solutions. Journal of Chemical Physics, 2022, 157, .	3.0	0

#	Article	IF	Citations
5032	Dynamics of daily positive and negative affect and relations to anxiety and depression symptoms in a transdiagnostic clinical sample. Depression and Anxiety, 2022, 39, 932-943.	4.1	6
5033	Extracting Inelastic Scattering Cross Sections for Finite and Aperiodic Materials from Electronic Dynamics Simulations. Journal of Chemical Theory and Computation, 0, , .	5.3	0
5034	Roaring Storms in the Planetary-mass Companion VHS 1256-1257 b: Hubble Space Telescope Multiepoch Monitoring Reveals Vigorous Evolution in an Ultracool Atmosphere. Astronomical Journal, 2022, 164, 239.	4.7	10
5035	Frites: A Python package for functional connectivity analysis and group-level statistics of neurophysiological data. Journal of Open Source Software, 2022, 7, 3842.	4.6	3
5036	Quality over quantity: Optimizing pulsar timing array analysis for stochastic and continuous gravitational wave signals. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1802-1817.	4.4	6
5037	Interpretable Machine Learning for Inpatient COVID-19 Mortality Risk Assessments: Diabetes Mellitus Exclusive Interplay. Sensors, 2022, 22, 8757.	3.8	3
5038	Analysis of the Genetic Variation of the Fruitless Gene within the Anopheles gambiae (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	2.2	2
5040	Identification of decompensation episodes in chronic heart failure patients based solely on heart sounds. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	0
5041	How many quantum gates do gauge theories require?. Physical Review D, 2022, 106, .	4.7	13
5042	Efficient labeling of retinal fundus photographs using deep active learning. Journal of Medical Imaging, 2022, 9, .	1.5	0
5043	Evaluating chemically homogeneous evolution in stellar binaries: electromagnetic implications â€" ionizing photons, SLSN-I, GRB, Ic-BL. Monthly Notices of the Royal Astronomical Society, 2022, 518, 860-877.	4.4	7
5045	Metallicity profiles of ultradiffuse galaxies in NIHAO simulations. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1545-1561.	4.4	1
5046	Explaining predictive factors in patient pathways using autoencoders. PLoS ONE, 2022, 17, e0277135.	2.5	1
5048	Multiple gas phases in supernova remnant ICÂ443: mapping shocked H2 with VLT/KMOS. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2320-2340.	4.4	1
5049	From Unit to Dose: A Machine Learning Approach for Precise Prediction of Hemoglobin and Iron Content in Individual Packed Red Blood Cell Units. Advanced Science, 2022, 9, .	11.2	6
5050	Low-resolution description of the conformational space for intrinsically disordered proteins. Scientific Reports, 2022, 12, .	3.3	1
5051	Microtubule retrograde flow retains neuronal polarization in a fluctuating state. Science Advances, 2022, 8, .	10.3	6
5052	Living on the edge of the Milky Way's central molecular zone. Astronomy and Astrophysics, 2022, 668, A183.	5.1	1

#	Article	IF	Citations
5053	A TastePeptides-Meta system including an umami/bitter classification model Umami_YYDS, a TastePeptidesDB database and an open-source package Auto_Taste_ML. Food Chemistry, 2023, 405, 134812.	8.2	15
5054	Modeling families of particle distributions with conditional GAN for Monte Carlo SPECT simulations. Physics in Medicine and Biology, 2022, 67, 234001.	3.0	2
5056	<scp>relensing</scp>: Reconstructing the mass profile of galaxy clusters from gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4494-4516.	4.4	4
5057	The impact of carbon and oxygen abundances on the metal-poor initial mass function. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3985-3998.	4.4	3
5058	A structural biology community assessment of AlphaFold2 applications. Nature Structural and Molecular Biology, 2022, 29, 1056-1067.	8.2	261
5059	Investigating the role of Amazonian mesoscale wind patterns and strength on the spatial distribution of martian bedrock exposures. Journal of Geophysical Research E: Planets, 0, , .	3.6	1
5060	Extreme value statistics of the halo and stellar mass distributions at high redshift: are <i>JWST</i> results in tension with ΛCDM?. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2511-2520.	4.4	51
5061	Implementation of Kalman Filtering with Spiking Neural Networks. Sensors, 2022, 22, 8845.	3.8	3
5062	A New Stellar Companion to GJ 1292. Research Notes of the AAS, 2022, 6, 242.	0.7	1
5063	Mode Mixing and Rotational Splittings. I. Near-degeneracy Effects Revisited. Astrophysical Journal, 2022, 940, 18.	4.5	2
5064	Estimating sewage flow rate in Jefferson County, Kentucky, using machine learning for wastewater-based epidemiology applications. Water Science and Technology: Water Supply, 2022, 22, 8434-8439.	2.1	5
5065	Mixed finite elements for Bingham flow in a pipe. Numerische Mathematik, 2022, 152, 819-840.	1.9	1
5067	Efficient Interrogation of the Kinetic Barriers Demarcating Catalytic States of a Tyrosine Kinase with Optimal Physical Descriptors and Mixture Models. ChemPhysChem, 0, , .	2.1	0
5068	Customized AutoML: An Automated Machine Learning System for Predicting Severity of Construction Accidents. Buildings, 2022, 12, 1933.	3.1	9
5071	Extragalactic peaked-spectrum radio sources at low frequencies are young radio galaxies. Astronomy and Astrophysics, 2022, 668, A186.	5.1	5
5072	Characterizing single extracellular vesicles by droplet barcode sequencing for protein analysis. Journal of Extracellular Vesicles, 2022, 11, .	12.2	11
5073	Advancing remote sensing and machine learning–driven frameworks for groundwater withdrawal estimation in Arizona: Linking land subsidence to groundwater withdrawals. Hydrological Processes, 2022, 36, .	2.6	2
5074	Model order reduction strategies for weakly dispersive waves. Mathematics and Computers in Simulation, 2023, 205, 997-1028.	4.4	2

#	Article	IF	Citations
5076	Numerical Investigation and Factor Analysis of the Spatial-Temporal Multi-Species Competition Problem. WSEAS Transactions on Mathematics, 2022, 21, 731-755.	0.5	3
5077	A new maximum-likelihood method for template fits. European Physical Journal C, 2022, 82, .	3.9	1
5078	Detection of p-mode Oscillations in HD 35833 with NEID and TESS. Astronomical Journal, 2022, 164, 254.	4.7	2
5079	Revisiting the [Câ€‰‹scp›ii‹/scp›]â€‰158â€‰Î¼m line-intensity mapping power spectrum from the EoR using non-uniform line-luminosity scatter. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3074-3082.	4.4	6
5080	Photometric identification of compact galaxies, stars, and quasars using multiple neural networks. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3123-3136.	4.4	3
5081	‹i›Euclid‹/i› preparation. Astronomy and Astrophysics, 2023, 671, A99.	5.1	6
5082	GILoop: Robust chromatin loop calling across multiple sequencing depths on Hi-C data. IScience, 2022, 25, 105535.	4.1	3
5083	A Web-Based Automated Image Processing Research Platform for Cochlear Implantation-Related Studies. Journal of Clinical Medicine, 2022, 11, 6640.	2.4	13
5084	The response of dark matter haloes to gas ejection: CuspCore II. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5356-5375.	4.4	3
5085	QoT estimation using EGN-assisted machine learning for multi-period network planning. Journal of Optical Communications and Networking, 2022, 14, 1010.	4.8	4
5086	Bayesian Accretion Modeling: Axisymmetric Equatorial Emission in the Kerr Spacetime. Astrophysical Journal, 2022, 939, 107.	4.5	2
5087	Turbulent diffusion of streaming cosmic rays in compressible, partially ionized plasma. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1503-1525.	4.4	14
5088	PYroMat: A Python package for thermodynamic properties. Journal of Open Source Software, 2022, 7, 4757.	4.6	2
5089	Mathematical modeling and analysis of mitochondrial retrograde signaling dynamics. IScience, 2022, 25, 105502.	4.1	3
5090	DESPERATE: A Python library for processing and denoising NMR spectra. Journal of Magnetic Resonance, 2023, 346, 107320.	2.1	3
5091	A Gaussian jump process formulation of the reactionâ€"diffusion master equation enables faster exact stochastic simulations. Journal of Chemical Physics, 2022, 157, 194110.	3.0	0
5092	Machine learning-based detection of label-free cancer stem-like cell fate. Scientific Reports, 2022, 12, .	3.3	3
5093	Stellar Chromospheric Activity Database of Solar-like Stars Based on the LAMOST Low-Resolution Spectroscopic Survey. Astrophysical Journal, Supplement Series, 2022, 263, 12.	7.7	4

#	Article	IF	Citations
5094	Deep autoencoder for interpretable tissue-adaptive deconvolution and cell-type-specific gene analysis. Nature Communications, 2022, 13, .	12.8	16
5095	The Metallicity and Distance of NGC 2403 from Blue Supergiants. Astrophysical Journal, 2022, 940, 32.	4.5	8
5096	DANAMIC: Data analyzer of minimum inhibitory concentrations â€" Protocol to analyze antimicrobial susceptibility data. STAR Protocols, 2022, 3, 101782.	1.2	0
5097	First <i>r</i>-process enhanced star confirmed as a member of the Galactic bulge. Astronomy and Astrophysics, 2023, 669, A17.	5.1	1
5098	On using ab initio calibration to fit temperature from AlO B-X emission. Proceedings of the Combustion Institute, 2022, , .	3.9	0
5099	Pilot study in human healthy volunteers on the use of magnetohydrodynamics in needle-free continuous glucose monitoring. Scientific Reports, 2022, 12, .	3.3	3
5100	Feature-space selection with banded ridge regression. NeuroImage, 2022, 264, 119728.	4.2	15
5101	histolab: A Python library for reproducible Digital Pathology preprocessing with automated testing. SoftwareX, 2022, 20, 101237.	2.6	10
5102	Nested population structure of threatened boreal caribou revealed by network analysis. Global Ecology and Conservation, 2022, 40, e02327.	2.1	1
5103	Functional network properties derived from wide-field calcium imaging differ with wakefulness and across cell type. NeuroImage, 2022, 264, 119735.	4.2	6
5104	Influence of aging on mechanical properties of the femoral neck using an inverse method. Bone Reports, 2022, 17, 101638.	0.4	1
5105	Port-Hamiltonian based control of water distribution networks. Systems and Control Letters, 2022, 170, 105402.	2.3	1
5106	Radar Target Detection in Strong Clutter Using Spatial-Temporal U-NET. , 2022, , .		0
5107	A Nodal Integral Scheme for Acoustic Wavefield Simulation. Pure and Applied Geophysics, 2022, 179, 3677-3691.	1.9	1
5108	The usability and effect of an mHealth disease management platform on the quality of life of patients with paroxysmal atrial fibrillation â€" The emPOWERD-AF study. Health Informatics Journal, 2022, 28, 146045822211390.	2.1	2
5109	Disease detection, severity prediction, and crop loss estimation in MaizeCrop using deep learning. Artificial Intelligence in Agriculture, 2022, 6, 276-291.	6.0	14
5110	Examining the orbital decay targets KELT-9 b, KELT-16 b, and WASP-4b, and the transit-timing variations of HD 97658 b. Astronomy and Astrophysics, 2023, 669, A124.	5.1	6
5111	Environmental and economic optimization and prioritization tool-kit for residential building renovation strategies with life cycle approach. Building and Environment, 2023, 228, 109813.	6.9	8

#	ARTICLE	IF	CITATIONS
5112	The information content of projected galaxy fields. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3344-3356.	4.4	2
5113	COOL-LAMPS. II. Characterizing the Size and Star Formation History of a Bright Strongly Lensed Early-type Galaxy at Redshift 1.02. Astrophysical Journal, 2022, 940, 42.	4.5	6
5115	How do the dynamics of the Milky Way–Large Magellanic Cloud system affect gamma-ray constraints on particle dark matter?. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4138-4158.	4.4	1
5118	Using a Novel Instrumented Roller to Estimate Soil Dry Density During Compaction. Lecture Notes in Civil Engineering, 2023, , 538-546.	0.4	2
5119	Molecular Gas Reservoirs in Massive Quiescent Galaxies at z ≈ 0.7 Linked to Late-time Star Formation. Astrophysical Journal, 2022, 940, 39.	4.5	9
5120	First Light And Reionization Epoch Simulations (FLARES) VII: The star formation and metal enrichment histories of galaxies in the early Universe. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3935-3948.	4.4	11
5121	Deep learning to decompose macromolecules into independent Markovian domains. Nature Communications, 2022, 13, .	12.8	8
5122	Constraining CMB physical processes using Planck 2018 data. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 043.	5.4	0
5123	A role for the centrosome in regulating the rate of neuronal efferocytosis by microglia in vivo. ELife, 0, 11, .	6.0	11
5124	Modeling Viscosity of Volcanic Melts With Artificial Neural Networks. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	4
5125	MIGHTEE: deep 1.4 GHz source counts and the sky temperature contribution of star-forming galaxies and active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2668-2691.	4.4	11
5126	Observations of Quiescent Solar Wind Regions with Near-f $_{ce}$ Wave Activity. Astrophysical Journal, 2022, 940, 45.	4.5	2
5127	Analysis of electric vehicle charging station usage and profitability in Germany based on empirical data. IScience, 2022, 25, 105634.	4.1	10
5130	Optimal design and flow-field pattern selection of proton exchange membrane electrolyzers using artificial intelligence. Energy, 2023, 264, 126135.	8.8	6
5131	First light and reionization epoch simulations (FLARES) V: the redshift frontier. Monthly Notices of the Royal Astronomical Society, 2022, 519, 3118-3128.	4.4	26
5132	Analyses of hydrogen-stripped core–collapse supernovae using MOSFiT and MESA-based tools. Journal of Astrophysics and Astronomy, 2022, 43, .	1.0	1
5133	Electricity consumption variation versus economic structure during COVID-19 on metropolitan statistical areas in the US. Nature Communications, 2022, 13, .	12.8	1
5135	Prediction of risk factors for first trimester pregnancy loss in frozen-thawed good-quality embryo transfer cycles using machine learning algorithms. Journal of Assisted Reproduction and Genetics, 2023, 40, 279-288.	2.5	0

#	Article	IF	Citations
5137	An agnostic analysis of the human AlphaFold2 proteome using local protein conformations. Biochimie, 2023, 207, 11-19.	2.6	4
5139	Hierarchical metal-peptide assemblies with chirality-encoded spiral architecture and catalytic activity. Science China Chemistry, 2023, 66, 228-241.	8.2	6
5140	Probing Galactic variations in the fine-structure constant using solar twin stars: Systematic errors. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1221-1237.	4.4	5
5141	Probing Galactic variations in the fine-structure constant using solar twin stars: methodology and results. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1238-1252.	4.4	4
5142	Marmoset core visual object recognition behavior is comparable to that of macaques and humans. IScience, 2023, 26, 105788.	4.1	1
5143	First-principles Phonon Calculations with Phonopy and Phono3py. Journal of the Physical Society of Japan, 2023, 92, .	1.6	185
5144	Physics-Informed Compressed Sensing for PC-MRI: An Inverse Navier-Stokes Problem. IEEE Transactions on Image Processing, 2023, 32, 281-294.	9.8	2
5145	Deep Deconvolution for Traffic Analysis With Distributed Acoustic Sensing Data. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 2947-2962.	8.0	4
5146	SNS-Toolbox: A Tool for Efficient Simulation of Synthetic Nervous Systems. Lecture Notes in Computer Science, 2022, , 32-43.	1.3	3
5147	Improving Bacterial sRNA Identification By Combining Genomic Context and Sequence-Derived Features. Lecture Notes in Computer Science, 2022, , 67-78.	1.3	1
5148	Enhanced stability of sub-nanometric iridium decorated graphitic carbon nitride for H_2 production upon hydrous hydrazine decomposition. Physical Chemistry Chemical Physics, 2023, 25, 1081-1095.	2.8	2
5149	Extending machine learning prediction capabilities by explainable AI in financial time series prediction. Applied Soft Computing Journal, 2023, 132, 109876.	7.2	7
5150	Feasibility of using AI to auto-catch responsible frames in ultrasound screening for breast cancer diagnosis. IScience, 2023, 26, 105692.	4.1	3
5151	Mapping of snow water equivalent by a deep-learning model assimilating snow observations. Journal of Hydrology, 2023, 616, 128835.	5.4	2
5152	Functionally annotating cysteine disulfides and metal binding sites in the plant kingdom using AlphaFold2 predicted structures. Free Radical Biology and Medicine, 2023, 194, 220-229.	2.9	4
5153	sympy2c: From symbolic expressions to fast C/C++ functions and ODE solvers in Python. Astronomy and Computing, 2023, 42, 100666.	1.7	1
5154	Initial analysis of the impact of the Ukrainian power grid synchronization with Continental Europe. Energy Advances, 2023, 2, 91-97.	3.3	4
5155	Explainable machine learning model for liquefaction potential assessment of soils using XGBoost-SHAP. Soil Dynamics and Earthquake Engineering, 2023, 165, 107662.	3.8	20

#	Article	IF	Citations
5156	reg-sgc: An open-source software for regularized Simple Graph Convolution. SoftwareX, 2023, 21, 101293.	2.6	1
5157	mpi4py.futures: MPI-Based Asynchronous Task Execution for Python. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 611-622.	5.6	5
5158	PLUME Dashboard: A free and open-source mobile air quality monitoring dashboard. Environmental Modelling and Software, 2023, 160, 105600.	4.5	3
5159	Leveraging data driven approaches for enhanced tsunami damage modelling: Insights from the 2011 Great East Japan event. Environmental Modelling and Software, 2023, 160, 105604.	4.5	3
5160	Capacity and Internal Resistance of lithium-ion batteries: Full degradation curve prediction from Voltage response at constant Current at discharge. Journal of Power Sources, 2023, 556, 232477.	7.8	10
5161	Single breath-hold MR T1 mapping in the heart: Hybrid MOLLI combining saturation and inversion recovery. Magnetic Resonance Imaging, 2023, 96, 85-92.	1.8	0
5162	Development of a CSRML version of the Analog identification Methodology (AIM) fragments and their evaluation within the Generalised Read-Across (GenRA) approach. Computational Toxicology, 2023, 25, 100256.	3.3	1
5163	Graded human sensitivity to geometric and topological concepts. Cognition, 2023, 232, 105331.	2.2	0
5164	On the robustness of sparse counterfactual explanations to adverse perturbations. Artificial Intelligence, 2023, 316, 103840.	5.8	7
5165	A fast sparsity-free compressive sensing approach for vibration data reconstruction using deep convolutional GAN. Mechanical Systems and Signal Processing, 2023, 188, 109937.	8.0	7
5166	Energy analysis of autoclave CFRP manufacturing using thermodynamics based models. Composites Part A: Applied Science and Manufacturing, 2023, 166, 107365.	7.6	2
5167	Machine learning-based classification of bronze alloy cymbals from microphone captured data enhanced with feature selection approaches. Expert Systems With Applications, 2023, 215, 119378.	7.6	2
5168	Estimating the temporal heterogeneity of mowing events on grassland for haymilk-production using Sentinel-2 and greenness-index. Smart Agricultural Technology, 2023, 4, 100157.	5.4	0
5169	A pragmatic authenticity assessment of lemon (Citrus limon [L.] Burm.f.) juices by its profile of coumarins, psoralens, and polymethoxyflavones. Food Control, 2023, 146, 109529.	5.5	1
5170	Fast and fully-automated histograms for large-scale data sets. Computational Statistics and Data Analysis, 2023, 180, 107668.	1.2	1
5171	High-throughput exploration of activity and stability for identifying photoelectrochemical water splitting materials. Chemical Science, 2022, 13, 13774-13781.	7.4	12
5172	Invertebrate Communities Associated to Parastacus pugnax (Decapoda, Parastacidae) Northern Patagonian Populations (38Â°S, Araucania, Chile): a First Exploratory Analysis. Zoodiversity, 2022, 56, 489-494.	0.6	0
5173	Improving Bug Localization With Effective Contrastive Learning Representation. IEEE Access, 2023, 11, 32523-32533.	4.2	0

#	Article	IF	Citations
5174	Measuring Noise Parameters Using an Open, Short, Load, and λ/8-Length Cable as Source Impedances. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 1102-1111.	4.6	0
5175	Open Source Software & AI â€" Chancen, Risiken, Synergien und GeschÃ¤tsmodelle. , 2022, , 323-345.		0
5176	Fit the Joint Moments: How to Attack Any Masking Scheme. IEEE Access, 2022, 10, 127412-127427.	4.2	2
5177	Optical Proximity Correction Using Machine Learning Assisted Human Decision. IEEE Photonics Journal, 2023, 15, 1-9.	2.0	1
5178	Drug and Anti-Viral Peptide Design to Inhibit the Monkeypox Virus by Restricting A36R Protein. Bioinformatics and Biology Insights, 2022, 16, 117793222211411.	2.0	2
5179	YALTAPy and YALTAPy_Online: Python toolboxes for the Hâˆž-stability analysis of classical and fractional systems with commensurate delays. IFAC-PapersOnLine, 2022, 55, 192-197.	0.9	0
5180	Shackled: AÂ 3D Rendering Engine Programmed Entirely inÂ Ethereum Smart Contracts. Lecture Notes in Computer Science, 2022, , 131-143.	1.3	0
5181	High Flux Isotope Reactor Neutron Spectrum Shape Estimation From Activation Experiment Data. IEEE Transactions on Nuclear Science, 2023, 70, 44-57.	2.0	0
5182	PyTracer: Automatically Profiling Numerical Instabilities in Python. IEEE Transactions on Computers, 2023, 72, 1792-1803.	3.4	0
5183	WDPhotTools â€" a white dwarf photometric toolkit in Python. , 2022, 1, 81-98.		3
5184	Identification of Industrial Alarm Floods Using Time Series Classification and Novelty Detection. , 2022, , .		2
5185	Understanding Autism Using Machine Learning: A Structural MRI Study. , 2022, , .		0
5186	PyThea: An open-source software package to perform 3D reconstruction of coronal mass ejections and shock waves. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	9
5187	Hyde: The First Open-Source, Python-Based, Gpu-Accelerated Hyperspectral Denoising Package. , 2022, , .		2
5188	Evaluation of a generalized linear model for the actual evapotranspiration using satellite and reanalysis data. , 2022, , .		0
5189	Simplistic Revenue Based BESS Sizing Tool Developed in Python Using Historical Grid Data. , 2022, , .		0
5190	A General Neural-Networks-Based Method for Identification of Partial Differential Equations, Implemented on a Novel AI Accelerator. Supercomputing Frontiers and Innovations, 2022, 9, .	0.4	0
5191	AexPy: Detecting API Breaking Changes in Python Packages. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
5192	ParticleGrid: Enabling Deep Learning using 3D Representation of Materials. , 2022, , .		1
5193	Zoom Out: Abstractions for Efficient Radar Algorithms on COTS architectures. , 2022, , .		0
5194	A Python Library for Matrix Algebra on GPU and Multicore Architectures. , 2022, , .		0
5195	Abstraction and Acceleration of Tensor Processing for Element-Level Digital Arrays. , 2022, , .		1
5196	An Empirical Evaluation of Competitive Programming AI: A Case Study of AlphaCode. , 2022, , .		2
5197	Addressing the challenges of detecting time-overlapping compact binary coalescences. Physical Review D, 2022, 106, .	4.7	5
5198	Dark-field chest X-ray imaging for the assessment of COVID-19-pneumonia. Communications Medicine, 2022, 2, .	4.2	7
5200	Mesh-free hydrodynamics in <scp>pkdgrav3</scp> for galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 519, 300-317.	4.4	3
5201	How to interpret measurements of diffuse light in stacked observations of groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3685-3701.	4.4	2
5203	Searching for Compact Objects in Binaries with Gaia DR3. Astrophysical Journal, 2022, 940, 126.	4.5	4
5205	A Retrospective, Observational Study of Catheter-Associated Urinary Tract Infection Events Post-Implementation of a Novel Urinary Catheter System with Active Drain Line Clearance and Automated Intra-Abdominal Pressure Monitoring. Life, 2022, 12, 1950.	2.4	0
5206	A Ghost in Boötes: The Least-Luminous Disrupted Dwarf Galaxy. Astrophysical Journal, 2022, 940, 127.	4.5	1
5207	Astraeus â€" VI. Hierarchical assembly of AGN and their large-scale effect during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3576-3592.	4.4	5
5208	HeliantHOME, a public and centralized database of phenotypic sunflower data. Scientific Data, 2022, 9, .	5.3	3
5209	Selective Plane Illumination Optical Endomicroscopy with Polymer Imaging Fibres. APL Photonics, 0, , .	5.7	1
5210	Testing Velocity Kinks as a Planet Detection Method: Do Velocity Kinks in Surface Gas Emission Trace Planetary Spiral Wakes in the Midplane Continuum?. Astrophysical Journal Letters, 2022, 940, L43.	8.3	4
5211	Load Forecasting and Electricity Consumption by Regression Model. Lecture Notes in Networks and Systems, 2023, , 302-314.	0.7	1
5213	Disc tearing leads to low and high frequency quasi-periodic oscillations in a GRMHD simulation of a thin accretion disc. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1656-1671.	4.4	7

#	Article	IF	Citations
5214	Positive fitness effects help explain the broad range of Wolbachia prevalences in natural populations. , 0, 2, .		0
5216	Nanoflare Heating of the Solar Corona Observed in X-Rays. Astrophysical Journal Letters, 2022, 940, L38.	8.3	1
5217	Deep drilling in the time domain with DECam: survey characterization. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3881-3902.	4.4	2
5219	DeepCV: A Deep Learning Framework for Blind Search of Collective Variables in Expanded Configurational Space. Journal of Chemical Information and Modeling, 2022, 62, 6352-6364.	5.4	9
5220	Forecasts for cosmological measurements based on the angular power spectra of AGN and clusters of galaxies in the SRG/eROSITA all-sky survey. Astronomy and Astrophysics, 2023, 669, A61.	5.1	1
5221	Exascale integrated modeling of low-order wavefront sensing and control for the Roman Coronagraph instrument. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, C133.	1.5	5
5222	Characterizing fall risk factors in Belgian older adults through machine learning: a data-driven approach. BMC Public Health, 2022, 22, .	2.9	2
5223	Computational metadata generation methods for biological specimen image collections. International Journal on Digital Libraries, 0, , .	1.5	4
5224	Using Machine Learning to Predict Multiphase Flow through Complex Fractures. Energies, 2022, 15, 8871.	3.1	2
5225	APERO: A PipelinE to Reduce Observationsâ€"Demonstration with SPIRou. Publications of the Astronomical Society of the Pacific, 2022, 134, 114509.	3.1	23
5226	Observability of signatures of transport-induced chemistry in clear atmospheres of hot gas giant exoplanets. Monthly Notices of the Royal Astronomical Society, 2022, 519, 3129-3153.	4.4	14
5227	Machine learning methods applied to audit of surgical margins after curative surgery for facial (non-melanoma) skin cancer. British Journal of Oral and Maxillofacial Surgery, 2023, 61, 94-100.	0.8	2
5228	Scalable transcriptomics analysis with Dask: applications in data science and machine learning. BMC Bioinformatics, 2022, 23, .	2.6	1
5229	High-resolution analysis of the cytosolic Ca^{2+} events in β cell collectives in situ. American Journal of Physiology - Endocrinology and Metabolism, 2023, 324, E42-E55.	3.5	11
5230	Identifying the 3FHL Catalog. VI. Swift Observations of 3FHL Unassociated Objects with Source Classification via Machine Learning. Astrophysical Journal, 2022, 940, 139.	4.5	3
5231	An automatic sediment-facies classification approach using machine learning and feature engineering. Communications Earth & Environment, 2022, 3, .	6.8	4
5232	*Gaia* Data Release 3. Astronomy and Astrophysics, 2023, 674, A5.	5.1	76
5233	Rational Design of a Polyurethane Foam. Polymers, 2022, 14, 5111.	4.5	1

#	Article	IF	Citations
5234	Relativistic Signatures of Flux Eruption Events near Black Holes. Galaxies, 2022, 10, 107.	3.0	5
5235	Transparent Exploration of Machine Learning for Biomarker Discovery from Proteomics and Omics Data. Journal of Proteome Research, 2023, 22, 359-367.	3.7	7
5236	Iterative Construction of the Optimal Sunspot-Number Series. Solar Physics, 2022, 297, .	2.5	0
5237	Two decades of optical timing of the shortest-period binary star system HM Cancri. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5123-5139.	4.4	8
5238	GRB 220426A: A Thermal Radiationâ€"Dominated Gamma-Ray Burst. Astrophysical Journal, 2022, 940, 142.	4.5	5
5239	Psychoactive substance use and drug checking practices among participants at electronic dance music events in Ukraine. , 2022, 23, 244-257.		0
5240	Satellite Image Processing by Python and R Using Landsat 9 OLI/TIRS and SRTM DEM Data on CÃ´te dâ€™Ivoire, West Africa. Journal of Imaging, 2022, 8, 317.	3.0	15
5241	The dark side of galaxy stellar populations â€" II. The dependence of star-formation histories on halo mass and on the scatter of the main sequence. Monthly Notices of the Royal Astronomical Society, 2022, 518, 6325-6339.	4.4	2
5242	MUSE-ALMA Haloes â€" VIII. Statistical study of circumgalactic medium gas. Monthly Notices of the Royal Astronomical Society, 2022, 519, 931-947.	4.4	7
5243	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A28.	5.1	44
5244	Deep Learning Image Analysis of Nanoplasmonic Sensors: Toward Medical Breath Monitoring. ACS Applied Materials & Interfaces, 2022, 14, 54411-54422.	8.0	3
5245	Revisiting the Magnetic Field Distribution of Normal Pulsars: Implications for the Multiple Origins for Neutron Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 114201.	3.1	2
5246	A Multi-GPU Python Solver for Low-Temperature Non-Equilibrium Plasmas. , 2022, , .		2
5247	m6A modification of U6 snRNA modulates usage of two major classes of pre-mRNA 5â€™ splice site. ELife, 0, 11, .	6.0	14
5248	Flexible Models for Galaxy Star Formation Histories Both Shift and Scramble the Optical Colorâ€"Mass-to-light Ratio (M/L) Relationship. Astrophysical Journal, 2022, 940, 88.	4.5	6
5249	Effectiveness of Teeth Whitening after Regenerative Endodontics Procedures: An In Vitro Study. Journal of Clinical Medicine, 2022, 11, 7016.	2.4	1
5250	Short-Range Recordings of Shallow Underwater Explosions with Short-Period and Broadband Seismometers in the Bay of HyÃ¨res, France. Bulletin of the Seismological Society of America, 0, , .	2.3	1
5252	Preemergence Signatures of Horizontal Divergent Flows in Solar Active Regions. Astrophysical Journal, 2022, 940, 109.	4.5	0

#	Article	IF	Citations
5253	Statistical Analysis on Channel-wise Cross-correlation Features in Siamese Trackers. , 2022, , .		0
5255	Diverging Fates of the Pacific Ocean Oxygen Minimum Zone and Its Core in a Warming World. AGU Advances, 2022, 3, .	5.4	18
5256	Injection Molding of Thermoplastics for Low-Cost Nanofluidic Devices. ACS Applied Nano Materials, 2022, 5, 17758-17766.	5.0	2
5258	<scp>GAMaterial</scp>â€”A geneticâ€algorithm software for material design and discovery. Journal of Computational Chemistry, 2023, 44, 814-823.	3.3	4
5259	Testing the Limits of AGN Feedback and the Onset of Thermal Instability in the Most Rapidly Star-forming Brightest Cluster Galaxies. Astrophysical Journal, 2022, 940, 140.	4.5	8
5260	Interacting Kilonovae: Long-lasting Electromagnetic Counterparts to Binary Mergers in the Accretion Disks of Active Galactic Nuclei. Astrophysical Journal Letters, 2022, 940, L44.	8.3	4
5261	Topological morphogenesis of neuroepithelial organoids. Nature Physics, 0, , .	16.7	4
5262	A Multifidelity Monte Carlo Method for Realistic Computational Budgets. Journal of Scientific Computing, 2023, 94, .	2.3	3
5264	Deep Learningâ€"based Fast Spectral Inversion of HÎ± and Ca ii 8542 Line Spectra. Astrophysical Journal, 2022, 940, 147.	4.5	1
5265	Chasing ICM cooling and AGN feedback from the macro to the meso scales in the galaxy cluster ZwCl 235. Astronomy and Astrophysics, 2023, 670, A23.	5.1	3
5266	Insights from Dynamically Triggered and Induced Earthquakes in Oklahoma. Seismological Research Letters, 0, , .	1.9	0
5267	Assessing the efficacy of immunotherapy in lung squamous carcinoma using artificial intelligence neural network. Frontiers in Immunology, 0, 13, .	4.8	1
5268	Rates and timing of chlorophyll-<i>a</i>increases and related environmental variables in global temperate and cold-temperate lakes. Earth System Science Data, 2022, 14, 5139-5156.	9.9	2
5269	Differentiable quantum chemistry with <scp>PySCF</scp> for molecules and materials at the mean-field level and beyond. Journal of Chemical Physics, 2022, 157, .	3.0	9
5270	Classifying UK charitiesâ€™ activities by charitable cause: a new classification system. Voluntary Sector Review, 2022, , 1-27.	0.4	0
5271	An Electron-scattering Time Delay in Black Hole Accretion Disks. Astrophysical Journal Letters, 2022, 940, L22.	8.3	2
5272	Revisiting Contextual Toxicity Detection in Conversations. Journal of Data and Information Quality, 2023, 15, 1-22.	2.1	1
5273	Detection of Intracluster Globular Clusters in the First JWST Images of the Gravitational Lens Cluster SMACS J0723.3â€"7327 at z = 0.39. Astrophysical Journal Letters, 2022, 940, L19.	8.3	6

#	Article	IF	Citations
5274	Label-free multimodal nonlinear optical microscopy reveals features of bone composition in pathophysiological conditions. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	4
5275	Singlemode-Multimode-Singlemode Fiber-Optic Interferometer Signal Demodulation Using MUSIC Algorithm and Machine Learning. Photonics, 2022, 9, 879.	2.0	5
5276	A Segmented Period–Luminosity Relation for Nearby Extragalactic Delta Scuti Stars. Astrophysical Journal Letters, 2022, 940, L25.	8.3	3
5277	Appreciating mergers for understanding the non-linear Mbh–M*,spheroid and Mbh–M*, galaxy relations, updated herein, and the implications for the (reduced) role of AGN feedback. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2177-2200.	4.4	16
5278	The Gaia-ESO Survey: Old super-metal-rich visitors from the inner Galaxy. Astronomy and Astrophysics, 2023, 669, A96.	5.1	2
5279	A Guided Tutorial on Modelling Human Event-Related Potentials with Recurrent Neural Networks. Sensors, 2022, 22, 9243.	3.8	4
5280	The Cost of Dynamism in Static Languages for Image Processing. , 2022, , .		0
5281	The extrachromosomal circular DNAs of the rice blast pathogen Magnaporthe oryzae contain a wide variety of LTR retrotransposons, genes, and effectors. BMC Biology, 2022, 20, .	3.8	9
5282	Performing a Sonar Acceptance Test of the Kongsberg EM712 Using Open-Source Software: A Case Study of Kluster. Geomatics, 2022, 2, 540-553.	1.9	0
5283	High-resolution atmospheric retrievals of WASP-121b transmission spectroscopy with ESPRESSO: Consistent relative abundance constraints across multiple epochs and instruments. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1030-1048.	4.4	8
5284	H-FISTA: a hierarchical algorithm for phase retrieval with application to pulsar dynamic spectra. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1261-1276.	4.4	3
5285	Interpretation of organizational role of proteins on E. coli nucleoid via Hi-C integrated model. Biophysical Journal, 2023, 122, 63-81.	0.5	4
5286	Simulated Bars May Be Shorter but Are Not Slower Than Those Observed: TNG50 versus MaNGA. Astrophysical Journal, 2022, 940, 61.	4.5	13
5288	Preferential arborization of dendrites and axons of parvalbumin- and somatostatin-positive GABAergic neurons within subregions of the mouse claustrum. Neuroscience Research, 2023, 190, 92-106.	1.9	3
5289	Efficient planet formation by pebble accretion in ALMA rings. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3877-3900.	4.4	22
5290	King Ghidorah Supercluster: Mapping the light and dark matter in a new supercluster at $z =$ Â0.55 using the subaru hyper suprime-cam. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 519, L45-L50.	3.3	2
5291	GPU-Accelerated Stream Clustering of Geotagged Text Data for Crisis Management. , 2022, , .		0
5292	Analyzing rare mutations in metagenomes assembled using long and accurate reads. Genome Research, 0, , .	5.5	2

#	Article	IF	Citations
5293	*Euphonic*: inelastic neutron scattering simulations from force constants and visualization tools for phonon properties. Journal of Applied Crystallography, 2022, 55, 1689-1703.	4.5	5
5294	A reverse Monte Carlo algorithm to simulate two-dimensional small-angle scattering intensities. Journal of Applied Crystallography, 2022, 55, 1592-1602.	4.5	1
5295	Evidence for the Disruption of a Planetary System During the Formation of the Helix Nebula. Astronomical Journal, 2023, 165, 22.	4.7	0
5296	Madagascar's extraordinary biodiversity: Threats and opportunities. Science, 2022, 378, .	12.6	34
5298	Histone H2Bub dynamics in the 5′ region of active genes are tightly linked to the UV-induced transcriptional response. Computational and Structural Biotechnology Journal, 2023, 21, 614-629.	4.1	1
5299	Quantifying calcium carbonate and organic carbon content in marine sediments from XRF-scanning spectra with a machine learning approach. Scientific Reports, 2022, 12, .	3.3	0
5300	Mapping Dark Matter with Extragalactic Stellar Streams: The Case of Centaurus A. Astrophysical Journal, 2022, 941, 19.	4.5	6
5301	Algoritmos de Aprendizaje Supervisado para Proyección de Ventas de Camarón Ecuatoriano con Lenguaje de Programación Python. Economía Y Negocios, 2022, 13, 30-51.	0.1	0
5302	Fastcc: Fast Color Corrections for Broadband Radio Telescope Data. Research Notes of the AAS, 2022, 6, 252.	0.7	6
5303	Prognostic significance of p16, p21, and Ki67 expression at the invasive front of colorectal cancers. Pathology International, 0, , .	1.3	0
5304	Four-dimensional measurement of root system development using time-series three-dimensional volumetric data analysis by backward prediction. Plant Methods, 2022, 18, .	4.3	0
5305	The Relation between Globular Cluster Systems and Supermassive Black Holes in Spiral Galaxies. III. The Link to the $M_{•}$–M_{*} Correlation. Astrophysical Journal, 2022, 941, 53.	4.5	3
5306	Relation of Observable Stellar Parameters to Mass-loss Rate of AGB Stars in the LMC. Astrophysical Journal, 2022, 941, 44.	4.5	1
5307	Large-Scale Inventory Optimization: A Recurrent Neural Networks–Inspired Simulation Approach. INFORMS Journal on Computing, 2023, 35, 196-215.	1.7	2
5308	Galactic Cosmic Rays at Mars and Venus: Temporal Variations from Hours to Decades Measured as the Background Signal of Onboard Microchannel Plates. Astrophysical Journal, 2022, 940, 178.	4.5	4
5309	Lytic polysaccharide monooxygenase increases cellobiohydrolases activity by promoting decrystallization of cellulose surface. Science Advances, 2022, 8, .	10.3	19
5310	Observing circumplanetary disks with METIS. Astronomy and Astrophysics, 2023, 670, A74.	5.1	1
5311	Application of Machine Learning Techniques to Determine Surface Hardness Based on the Barkhausen Effect. HTM - Journal of Heat Treatment and Materials, 2022, 77, 409-424.	0.2	1

#	ARTICLE	IF	CITATIONS
5312	The Uchuu-UniverseMachine dataset: Galaxies in and around Clusters. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
5315	Nested Phoenix: a bottom-up Python model for the life cycle environmental performance of urban built stocks. IOP Conference Series: Earth and Environmental Science, 2022, 1122, 012028.	0.3	2
5316	Detecting multiple retinal diseases in ultra-widefield fundus imaging and data-driven identification of informative regions with deep learning. Nature Machine Intelligence, 2022, 4, 1143-1154.	16.0	7
5317	IDS-ML: An open source code for Intrusion Detection System development using Machine Learning. Software Impacts, 2022, 14, 100446.	1.4	1
5318	IL-5-producing CD4+ TÂcells and eosinophils cooperate to enhance response to immune checkpoint blockade in breast cancer. Cancer Cell, 2023, 41, 106-123.e10.	16.8	52
5319	A dynamics-based density profile for dark haloes â€" II. Fitting function. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3292-3311.	4.4	8
5320	PHANGS-JWST First Results: Spurring on Star Formation: JWST Reveals Localized Star Formation in a Spiral Arm Spur of NGC 628. Astrophysical Journal Letters, 2022, 941, L27.	8.3	7
5322	A More Posterior Tibial Tubercle (Decreased Sagittal Tibial Tubercleâ€"Trochlear Groove Distance) Is Significantly Associated With Patellofemoral Joint Degenerative Cartilage Change: A Deep Learning Analysis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2023, 39, 1493-1501.e2.	2.7	2
5323	The Milky Wayâ€™s plane of satellites is consistent with ΛCDM. Nature Astronomy, 2023, 7, 481-491.	10.1	13
5324	L-Ascorbic acid and phosphatidylcholine complex vesicles: formation and elucidation of their biological activities, and their molecular interactions. Journal of Microencapsulation, 2023, 40, 1-14.	2.8	1
5325	Reconstruction Attack on Differential Private Trajectory Protection Mechanisms. , 2022, , .		3
5326	Surface texture analysis in Toothfrax and MountainsMapÂ® SSFA module: Different software packages, different results?. , 0, 2, .		2
5327	Probing quasar lifetimes with proximate 21-centimetre absorption in the diffuse intergalactic medium at redshifts z â‰¥ 6. Monthly Notices of the Royal Astronomical Society, 2022, 519, 3027-3045.	4.4	2
5328	Targeted memory reactivation during sleep influences social bias as a function of slowâ€oscillation phase and delta power. Psychophysiology, 2023, 60, .	2.4	6
5329	Effective bias expansion for 21-cm cosmology in redshift space. Physical Review D, 2022, 106, .	4.7	9
5330	STRling: a k-mer counting approach that detects short tandem repeat expansions at known and novel loci. Genome Biology, 2022, 23, .	8.8	17
5332	Identification of Novel Biomarkers for Response to Preoperative Chemoradiation in Locally Advanced Rectal Cancer with Genetic Algorithmâ€"Based Gene Selection. Journal of Gastrointestinal Cancer, 0, , .	1.3	0
5333	The Effect of Interior Heat Flux on the Atmospheric Circulation of Hot and Ultra-hot Jupiters. Astrophysical Journal Letters, 2022, 941, L40.	8.3	7

#	Article	IF	Citations
5334	Quantifying resilience and the risk of regime shifts under strong correlated noise. , 2023, 2, .		2
5335	Towards a new era in giant exoplanet characterisation. Astronomy and Astrophysics, 2023, 669, A24.	5.1	8
5336	Unifying High- and Low-resolution Observations to Constrain the Dayside Atmosphere of KELT-20b/MASCARA-2b. Astronomical Journal, 2023, 165, 7.	4.7	9
5337	Quantifying the Evidence Against a Mass Gap between Black Holes and Neutron Stars. Astrophysical Journal, 2022, 941, 130.	4.5	4
5338	Mangrove: Learning Galaxy Properties from Merger Trees. Astrophysical Journal, 2022, 941, 7.	4.5	10
5340	A â^¼15 kpc outflow cone piercing through the halo of the blue compact metal-poor galaxy SBS 0335â€"052E. Astronomy and Astrophysics, 2023, 670, A121.	5.1	4
5342	Machine Learning in CNC Machining: Best Practices. Machines, 2022, 10, 1233.	2.2	4
5343	Prediction of the Layer Growth Rate in Static Melt Crystallization. Industrial & Engineering Chemistry Research, 2022, 61, 18530-18536.	3.7	2
5344	Uncertainty and Bias of Cosmology and Astrophysical Population Model from Statistical Dark Sirens. Astrophysical Journal, 2022, 941, 174.	4.5	1
5345	Magnetohydrodynamic Model of Late Accretion onto a Protoplanetary Disk: Cloudlet Encounter Event. Astrophysical Journal, 2022, 941, 154.	4.5	2
5346	Background rejection using image residuals from large telescopes in imaging atmospheric Cherenkov telescope arrays. European Physical Journal C, 2022, 82, .	3.9	3
5347	Predicting Intensive Care Delirium with Machine Learning: Model Development and External Validation. Anesthesiology, 2023, 138, 299-311.	2.5	8
5348	Variance Reduction and Noise Source Sampling Techniques for Monte Carlo Simulations of Neutron Noise Induced by Mechanical Vibrations. Nuclear Science and Engineering, 2023, 197, 534-557.	1.1	1
5349	Constraints on Moonâ€™s orbit 3.2 billion years ago from tidal bundle data. Journal of Geophysical Research E: Planets, 0, , .	3.6	0
5350	Onset of Convection in Rotating Spherical Shells: Variations With Radius Ratio. Earth and Space Science, 2023, 10, .	2.6	5
5351	SWAMPE: A Shallow-Water Atmospheric Model in Python for Exoplanets. Journal of Open Source Software, 2022, 7, 4872.	4.6	0
5352	Pathfinder v1.0.1: a Bayesian-inferred simple carbonâ€"climate model to explore climate change scenarios. Geoscientific Model Development, 2022, 15, 8831-8868.	3.6	1
5353	The evolution of phase space densities in star-forming regions. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3643-3655.	4.4	1

#	Article	IF	Citations
5354	The effect of linear background rotational flows on magnetoacoustic modes of a photospheric magnetic flux tube. Monthly Notices of the Royal Astronomical Society, 2022, 518, 6355-6366.	4.4	2
5355	PyCPD: Pure NumPy Implementation of the Coherent Point Drift Algorithm. Journal of Open Source Software, 2022, 7, 4681.	4.6	4
5356	Deep Narrowband Photometry of the M101 Group: Strong-line Abundances of 720 H ii Regions. Astrophysical Journal, 2022, 941, 182.	4.5	7
5357	FreqAI: generalizing adaptive modeling for chaotic time-series market forecasts. Journal of Open Source Software, 2022, 7, 4864.	4.6	0
5358	Evolution of eccentric high-mass X-ray binaries. The case of GX 301-2. Astronomy and Astrophysics, 0, , .	5.1	2
5359	Galaxy image classification using hierarchical data learning with weighted sampling and label smoothing. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4765-4779.	4.4	2
5360	Mouse primordial germ-cell-like cells lack piRNAs. Developmental Cell, 2022, 57, 2661-2668.e5.	7.0	2
5361	Analysis of Eclipsing Binary Stars and Identification of Exoplanets Using Transit Timing Variation Using data from TESS. Journal of Physics: Conference Series, 2022, 2381, 012106.	0.4	0
5362	<tt>ipie</tt>: A Python-Based Auxiliary-Field Quantum Monte Carlo Program with Flexibility and Efficiency on CPUs and GPUs. Journal of Chemical Theory and Computation, 2023, 19, 109-121.	5.3	5
5363	Transmission strings: a technique for spatially mapping exoplanet atmospheres around their terminators. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5114-5127.	4.4	4
5364	The Obscured Fraction of Quasars at Cosmic Noon. Astrophysical Journal, 2022, 941, 97.	4.5	1
5365	Photometric calibration in <i>u</i>-band using blue halo stars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
5367	Mapping Lower Saxony's salt marshes using temporal metrics of multi-sensor satellite data. International Journal of Applied Earth Observation and Geoinformation, 2022, 115, 103123.	1.9	1
5368	Glycolytic flux-signaling controls mouse embryo mesoderm development. ELife, 0, 11, .	6.0	14
5370	Photometric detection of internal gravity waves in upper main-sequence stars. Astronomy and Astrophysics, 2022, 668, A134.	5.1	5
5372	A novel approach for a joint analysis of isomiR and mRNA expression data reveals features of isomiR targeting in breast cancer. Frontiers in Genetics, 0, 13, .	2.3	4
5373	An Introductory Review of Input-Output Analysis in Sustainability Sciences Including Potential Implications of Aggregation. Sustainability, 2023, 15, 46.	3.2	2
5374	Drivers and Reversibility of Abrupt Ocean State Transitions in the Amundsen Sea, Antarctica. Journal of Geophysical Research: Oceans, 2023, 128, .	2.6	4

#	Article	IF	Citations
5375	pyDARN: A Python software for visualizing SuperDARN radar data. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	1
5376	Specification of Neck Muscle Dysfunction through Digital Image Analysis Using Machine Learning. Diagnostics, 2023, 13, 7.	2.6	1
5377	A dichotomy in group II Herbig disks. Astronomy and Astrophysics, 2023, 669, A158.	5.1	4
5379	teiphy: A Python Package for Converting TEI XML Collations to NEXUS and Other Formats. Journal of Open Source Software, 2022, 7, 4879.	4.6	1
5380	The size–mass and other structural parameter (n, μ_z, R_z) relations for local bulges/spheroids from multicomponent decompositions. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4651-4669.	4.4	5
5381	The $Gaia$-ESO Survey: Probing the lithium abundances in old metal-rich dwarf stars in the solar vicinity. Astronomy and Astrophysics, 2022, 668, L7.	5.1	3
5383	Long-time integration of parametric evolution equations with physics-informed DeepONets. Journal of Computational Physics, 2023, 475, 111855.	3.8	17
5384	Correlation of image textures of a polarization feature parameter and the microstructures of liver fibrosis tissues. Journal of Innovative Optical Health Sciences, 2023, 16, .	1.0	2
5386	Effects of Inner Halo Angular Momentum on the Peanut/X Shapes of Bars. Astrophysical Journal, 2022, 940, 175.	4.5	5
5387	Observational Signatures of Frame Dragging in Strong Gravity. Astrophysical Journal Letters, 2022, 941, L12.	8.3	14
5388	Characterization of Population III Stars with Stellar Atmosphere and Evolutionary Modeling and Predictions of their Observability with the JWST. Astronomical Journal, 2023, 165, 2.	4.7	3
5390	The E3SM Diagnostics Package (E3SM Diags v2.7): a Python-based diagnostics package for Earth system model evaluation. Geoscientific Model Development, 2022, 15, 9031-9056.	3.6	2
5391	Evidence for the volatile-rich composition of a 1.5-Earth-radius planet. Nature Astronomy, 0, , .	10.1	23
5392	Reference panel guided topological structure annotation of Hi-C data. Nature Communications, 2022, 13, .	12.8	6
5393	Emergence of vortices at the edges of planet-driven gaps in protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2022, 519, 208-227.	4.4	6
5394	Forecasting the Crude Oil Spot Price with Bayesian Symbolic Regression. Energies, 2023, 16, 4.	3.1	1
5395	SpatialCorr identifies gene sets with spatially varying correlation structure. Cell Reports Methods, 2022, 2, 100369.	2.9	4
5396	Brighter and More Massive Galaxies in the Vicinity of Lyα Nebulae. Astrophysical Journal, 2022, 941, 180.	4.5	1

#	Article	IF	Citations
5397	SCAT uncovers ATLASâ€™s first tidal disruption event ATLAS18mlw: a faint and fast TDE in a quiescent Balmer strong Galaxy. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2035-2045.	4.4	3
5398	ConCISE: Consensus Annotation Propagation of Ion Features in Untargeted Tandem Mass Spectrometry Combining Molecular Networking and In Silico Metabolite Structure Prediction. Metabolites, 2022, 12, 1275.	2.9	7
5399	Overcoming separation between counterparts due to unknown proper motions in catalogue cross-matching. , 2023, 2, 1-19.		0
5400	Vision transformer-based weakly supervised histopathological image analysis of primary brain tumors. IScience, 2023, 26, 105872.	4.1	13
5401	Influence of language on perception and concept formation in a brain-constrained deep neural network model. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	4.0	6
5402	Industrial ion-exchange chromatography development using discontinuous Galerkin methods coupled with forward sensitivity analysis. Journal of Chromatography A, 2022, , 463741.	3.7	3
5403	Molecular Framework Analysis of the Generated Database GDB-13s. Journal of Chemical Information and Modeling, 2023, 63, 484-492.	5.4	2
5404	The MSPSRπ catalogue: VLBA astrometry of 18 millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4982-5007.	4.4	12
5405	An upper limit on [Oâ€‘III] 88 Î¼m and 1.2 mm continuum emission from a JWST<i>z</i>â€â€„â€°ˆâ€„â€†12â€“13 galaxy candidate with ALMA. Astronomy and Astrophysics, 2023, 669, L8.	5.1	13
5406	Determination of the Self-Ignition Behavior of the Accumulation of Sludge Dust and Sludge Pellets from the Sewage Sludge Thermal Drying Station. Energies, 2023, 16, 46.	3.1	2
5407	Laminated Organic Photovoltaic Modules for Agrivoltaics and Beyond: An Outdoor Stability Study of Allâ€‘Polymer and Polymer:Small Molecule Blends. Advanced Functional Materials, 2023, 33, .	14.9	7
5408	Synchro-PASEF Allows Precursor-Specific Fragment Ion Extraction and Interference Removal in Data-Independent Acquisition. Molecular and Cellular Proteomics, 2023, 22, 100489.	3.8	20
5409	High-precision Redshifts for Type Ia Supernovae with the Nancy Grace Roman Space Telescope P127 Prism. Astrophysical Journal, 2022, 941, 146.	4.5	2
5410	Velocity-coherent substructure in TMC-1: inflow and fragmentation. Monthly Notices of the Royal Astronomical Society, 2022, 519, 285-299.	4.4	3
5411	SImMER: A Pipeline for Reducing and Analyzing Images of Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 124501.	3.1	0
5412	VERTICO. IV. Environmental Effects on the Gas Distribution and Star Formation Efficiency of Virgo Cluster Spirals. Astrophysical Journal, 2022, 940, 176.	4.5	10
5413	An accurate and time-efficient deep learning-based system for automated segmentation and reporting of cardiac magnetic resonance-detected ischemic scar. Computer Methods and Programs in Biomedicine, 2023, 229, 107321.	4.7	3
5414	Gelation Kinetics and Mechanical Properties of Thiolâ€‘Tetrazole Methylsulfone Hydrogels Designed for Cell Encapsulation. Macromolecular Bioscience, 0, , 2200419.	4.1	1

#	Article	IF	Citations
5415	A timer gene network is spatially regulated by the terminal system in the Drosophila embryo. ELife, 0, 11, .	6.0	8
5416	Orbit-superposition Dynamical Modeling of Barred Galaxies. Astrophysical Journal, 2022, 941, 109.	4.5	4
5417	Can we constrain galaxy geometry parameters using spatially integrated SED fitting?. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
5418	Building robust machine learning models for small chemical science data: the case of shear viscosity of fluids. Machine Learning: Science and Technology, 2022, 3, 045032.	5.0	4
5419	Evaluating Luminance Uniformity Metrics Using Online Experiments. LEUKOS - Journal of Illuminating Engineering Society of North America, 2023, 19, 308-323.	2.9	0
5420	A new in vitro monitoring system reveals a specific influence of Arabidopsis nitrogen nutrition on its susceptibility to Alternaria brassicicola at the seedling stage. Plant Methods, 2022, 18, .	4.3	1
5421	Tractography-based navigated TMS language mapping protocol. Frontiers in Oncology, 0, 12, .	2.8	2
5422	Update on Global Helioseismic Observations of the Solar Torsional Oscillation. Research Notes of the AAS, 2022, 6, 261.	0.7	1
5423	An Interval Approach for Robust Parameterization of Controllers for Electric Drives. Machines, 2022, 10, 1176.	2.2	0
5424	GeospaceLAB: Python package for managing and visualizing data in space physics. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	4
5425	Application of mixed linear models for the estimation of functional effects on bovine stature based on SNP summary statistics from a whole-genome association study. Genetics Selection Evolution, 2022, 54, .	3.0	0
5426	PERISTOLE: Package That Generates Time Delay Plots Caused by Gravitational Lensing. Research Notes of the AAS, 2022, 6, 255.	0.7	0
5427	A unifying Bayesian framework for merging X-ray diffraction data. Nature Communications, 2022, 13, .	12.8	8
5428	Occurrence rate of hot Jupiters orbiting red giant stars. Astronomy and Astrophysics, 2023, 670, A26.	5.1	3
5429	Genomic, transcriptomic and RNA editing analysis of human MM1 and VV2 sporadic Creutzfeldt-Jakob disease. Acta Neuropathologica Communications, 2022, 10, .	5.2	0
5430	Optimizing the shape of photometric redshift distributions with clustering cross-correlations. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2438-2450.	4.4	1
5431	Resolved Molecular Gas Observations of MaNGA Post-starbursts Reveal a Tumultuous Past. Astrophysical Journal, 2022, 941, 93.	4.5	6
5432	Dissecting peripheral protein-membrane interfaces. PLoS Computational Biology, 2022, 18, e1010346.	3.2	7

#	Article	IF	Citations
5433	The swing performance Index: Developing a single-score index of golf swing rotational biomechanics quantified with 3D kinematics. Frontiers in Sports and Active Living, 0, 4, .	1.8	3
5434	Anomalously high heat flow regions beneath the Transantarctic Mountains and Wilkes Subglacial Basin in East Antarctica inferred from Curie depth. Journal of Geophysical Research: Solid Earth, 0, , .	3.4	0
5435	Toward Hyperuniform Disorder via Self‑Assembly of Bidisperse Colloidal Patterns at an Electrode. Advanced Materials Interfaces, 2023, 10, .	3.7	3
5436	A method for fine-scale vertical heterogeneity quantification from well data and its application to siliciclastic reservoirs of the UKCS. Marine and Petroleum Geology, 2023, 149, 106077.	3.3	2
5437	CloudSEN12, a global dataset for semantic understanding of cloud and cloud shadow in Sentinel-2. Scientific Data, 2022, 9, .	5.3	9
5438	Meta-Learned and TCAD-Assisted Sampling in Semiconductor Laser Annealing. ACS Omega, 0, , .	3.5	0
5439	Cosmic-ray electron transport in the galaxy M 51. Astronomy and Astrophysics, 2023, 669, A111.	5.1	5
5440	Improving machine learning-derived photometric redshifts and physical property estimates using unlabelled observations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
5441	A Fisher matrix for gravitational-wave population inference. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
5442	TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS, and HIRES RVs. Astronomical Journal, 2023, 165, 10.	4.7	2
5443	An assessment of basal melt parameterisations for Antarctic ice shelves. Cryosphere, 2022, 16, 4931-4975.	3.9	12
5445	Non‑fitting FLIM‑FRET facilitates analysis of protein interactions in live zebrafish embryos. Journal of Microscopy, 0, , .	1.8	2
5446	No Peaks without Valleys: The Stable Mass Transfer Channel for Gravitational-wave Sources in Light of the Neutron Star–Black Hole Mass Gap. Astrophysical Journal, 2022, 940, 184.	4.5	22
5447	1D micro-nanopatterned integrin ligand surfaces for directed cell movement. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	1
5448	Specification and Simplification of Analytical Methods to Determine Wine Color. Processes, 2022, 10, 2707.	2.8	4
5449	The X‑shooter/ALMA Sample of Quasars in the Epoch of Reionization. II. Black Hole Masses, Eddington Ratios, and the Formation of the First Quasars. Astrophysical Journal, 2022, 941, 106.	4.5	36
5450	Parallel cryo electron tomography on in situ lamellae. Nature Methods, 2023, 20, 131-138.	19.0	45
5451	A novel motion-reconstruction method for inertial sensors with constraints. Multibody System Dynamics, 2023, 57, 181-209.	2.7	4

#	ARTICLE	IF	CITATIONS
5452	Machine learning for cryptocurrency market prediction and trading. Journal of Finance and Data Science, 2022, 8, 331-352.	3.2	5
5453	Isolating the extreme debris disc signature â€" explorations of eccentric extreme debris discs formed by giant impacts. Monthly Notices of the Royal Astronomical Society, 2022, 519, 172-191.	4.4	1
5454	<scp>chronostar</scp> â€" II. Kinematic age and substructure of the Scorpiusâ€"Centaurus OB2 association. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3992-4009.	4.4	7
5455	A framework for clinical cancer subtyping from nucleosome profiling of cell-free DNA. Nature Communications, 2022, 13, .	12.8	27
5456	Hazy with a Chance of Star Spots: Constraining the Atmosphere of Young Planet K2-33b. Astronomical Journal, 2023, 165, 23.	4.7	2
5457	Impact of tides on non-coplanar orbits of progenitors of high-mass X-ray binaries. Astronomy and Astrophysics, 0, , .	5.1	0
5458	Probabilistic mass-mapping with neural score estimation. Astronomy and Astrophysics, 2023, 672, A51.	5.1	6
5459	PACMAN: A pipeline to reduce and analyze Hubble Wide Field Camera 3 IR Grism data. Journal of Open Source Software, 2022, 7, 4838.	4.6	1
5460	Where are the extremely metal-poor stars in the Milky Way and Andromeda? Expectations from TNG50. Monthly Notices of the Royal Astronomical Society, 2022, 519, 483-496.	4.4	6
5461	Towards the impact of GMC collisions on the star formation rate. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4152-4170.	4.4	4
5462	Nature of the galaxies on top of quasars producing Mgâ€°<scp>ii</scp> absorption. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3319-3337.	4.4	2
5463	Variational quantum eigensolver for the Heisenberg antiferromagnet on the kagome lattice. Physical Review B, 2022, 106, .	3.2	13
5464	HDAC1 PREDICTOR: a simple and transparent application for virtual screening of histone deacetylase 1 inhibitors. SAR and QSAR in Environmental Research, 2022, 33, 915-931.	2.2	1
5465	The Spectroscopic Classification of Astronomical Transients (SCAT) Survey: Overview, Pipeline Description, Initial Results, and Future Plans. Publications of the Astronomical Society of the Pacific, 2022, 134, 124502.	3.1	10
5466	Neural correlates of linguistic collocations during continuous speech perception. Frontiers in Psychology, 0, 13, .	2.1	2
5467	On the ages of bright galaxies âˆ¼500â€°Myr after the big bang: insights into star formation activity at <i>z</i> â‰³ 15 with <i>JWST</i>. Monthly Notices of the Royal Astronomical Society, 2022, 519, 157-171.	4.4	40
5469	A Data-Driven Framework for Small Hydroelectric Plant Prognosis Using Tsfresh and Machine Learning Survival Models. Sensors, 2023, 23, 12.	3.8	1
5470	A comparative analysis of the chemical compositions of Gaia-Enceladus/Sausage and Milky Way satellites using APOGEE. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3611-3622.	4.4	8

#	Article	IF	Citations
5471	A close-in planet orbiting giant star HDÂ167768. Publication of the Astronomical Society of Japan, 2023, 75, 169-176.	2.5	2
5472	Graph neural network-based cell switching for energy optimization in ultra-dense heterogeneous networks. Scientific Reports, 2022, 12, .	3.3	0
5473	Testing Lorentz invariance of gravity in the Standard-Model Extension with GWTC-3. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 011.	5.4	11
5474	Cait: Analysis Toolkit for Cryogenic Particle Detectors in Python. Computing and Software for Big Science, 2022, 6, .	2.9	2
5476	Photometric Properties of Jupiter Trojans Detected by the Dark Energy Survey. Planetary Science Journal, 2022, 3, 269.	3.6	1
5477	Forecasting Pulsar Timing Array Sensitivity to Anisotropy in the Stochastic Gravitational Wave Background. Astrophysical Journal, 2022, 940, 173.	4.5	11
5478	pyGNMF: A Python library for implementation of generalised non-negative matrix factorisation method. SoftwareX, 2022, 20, 101257.	2.6	0
5479	School dropout prediction and feature importance exploration in Malawi using household panel data: machine learning approach. Journal of Computational Social Science, 2023, 6, 245-287.	2.4	5
5480	A quantitative interpretation of oxidative protein folding activity in Escherichia coli. Microbial Cell Factories, 2022, 21, .	4.0	0
5481	An Interpretable Machine-learning Framework for Modeling High-resolution Spectroscopic Data*. Astrophysical Journal, 2022, 941, 200.	4.5	2
5482	Efficient gravitational wave template bank generation with differentiable waveforms. Physical Review D, 2022, 106, .	4.7	7
5483	LoTSS Jellyfish Galaxies. IV. Enhanced Star Formation on the Leading Half of Cluster Galaxies and Gas Compression in IC3949. Astrophysical Journal, 2022, 941, 77.	4.5	13
5484	Length biases in single-cell RNA sequencing of pre-mRNA. Biophysical Reports, 2023, 3, 100097.	1.2	6
5485	Planet engulfment signatures in twin stars. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5465-5474.	4.4	8
5486	Conditional H i Mass Functions and the H i-to-halo Mass Relation in the Local Universe. Astrophysical Journal, 2022, 941, 48.	4.5	7
5487	ALMA Observations of CO Emission from Luminous Lyman-break Galaxies at z = 6.0293â€"6.2037. Astrophysical Journal, 2022, 941, 74.	4.5	3
5488	Association of DNA methylation with energy and fear-related behaviors in canines. Frontiers in Psychology, 0, 13, .	2.1	2
5489	Colour gradients of low-redshift galaxies in the DESI Legacy Imaging Survey. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3999-4023.	4.4	2

#	Article	IF	Citations
5490	Satellite Constellation Avoidance with the Rubin Observatory Legacy Survey of Space and Time. Astrophysical Journal Letters, 2022, 941, L15.	8.3	8
5491	Constraints on Cosmological Parameters with a Sample of Type Ia Supernovae from JWST. Astrophysical Journal, 2022, 941, 71.	4.5	4
5492	Massive pre-main-sequence stars in M17. Astronomy and Astrophysics, 2023, 671, A13.	5.1	3
5493	Tidal perturbations and eclipse mapping in the pulsations in the hierarchical triple system U Gru. Astronomy and Astrophysics, 2023, 670, A167.	5.1	2
5494	Studies on the Interaction between Model Proteins and Fluorinated Ionic Liquids. Pharmaceutics, 2023, 15, 157.	4.5	4
5495	Diverse Carbonates in Exoplanet Oceans Promote the Carbon Cycle. Astrophysical Journal Letters, 2023, 942, L20.	8.3	3
5496	Real-time affect detection in virtual reality: a technique based on a three-dimensional model of affect and EEG signals. Frontiers in Virtual Reality, 0, 3, .	3.7	2
5497	Microbiome and Metabolome Variation as Indicator of Social Stress in Female Prairie Voles. International Journal of Molecular Sciences, 2023, 24, 1677.	4.1	2
5498	Astrometric Accelerations as Dynamical Beacons: Discovery and Characterization of HIP 21152 B, the First T-dwarf Companion in the Hyades*. Astronomical Journal, 2023, 165, 39.	4.7	16
5499	The Botrytis cinerea Gene Expression Browser. Journal of Fungi (Basel, Switzerland), 2023, 9, 84.	3.5	0
5500	Fault Detective: Automatic Fault-Detection for Solar Thermal Systems based on Artificial Intelligence. Solar Energy Advances, 2023, , 100033.	3.0	1
5501	Star formation histories of UV-luminous galaxies at $z \simeq$ 6.8: implications for stellar mass assembly at early cosmic times. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5859-5881.	4.4	34
5502	Regularized by Physics: Graph Neural Network Parametrized Potentials for the Description of Intermolecular Interactions. Journal of Chemical Theory and Computation, 2023, 19, 562-579.	5.3	4
5503	Dynamic, adaptive sampling during nanopore sequencing using Bayesian experimental design. Nature Biotechnology, 2023, 41, 1018-1025.	17.5	16
5504	Meteorites and the RNA World: Synthesis of Nucleobases in Carbonaceous Planetesimals and the Role of Initial Volatile Content. Astrophysical Journal, 2023, 942, 50.	4.5	3
5505	Accelerating item factor analysis on GPU with Python package xifa. Behavior Research Methods, 2023, 55, 4403-4418.	4.0	0
5506	Q^{2}Chemistry: A quantum computation platform for quantum chemistry. , 2022, 52, 2.		4
5507	Hybrid Solar Thermal and Heat Pump Systems in Industry: Model Based Development of Globally Applicable Design Guidelines. Solar Energy Advances, 2023, , 100034.	3.0	2

#	ARTICLE	IF	CITATIONS
5508	The PHANGSâ€"MUSE nebular catalogue. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4902-4952.	4.4	22
5509	Linear and nonlinear dimensionality reduction from fluid mechanics to machine learning. Measurement Science and Technology, 2023, 34, 042001.	2.6	7
5510	datafevâ€"A Python framework for development and testing of management algorithms for electric vehicle charging infrastructures. Software Impacts, 2023, 15, 100467.	1.4	4
5511	Practical autoencoder based anomaly detection by using vector reconstruction error. Cybersecurity, 2023, 6, .	4.7	13
5512	Robust and unbiased estimation of the background distribution for automated quantitative imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2023, 40, C8.	1.5	2
5513	Integrating telemetry and point observations to inform management and conservation of migratory marine species. Ecosphere, 2023, 14, .	2.2	2
5514	Next Generation Sequencing for the Analysis of Parvovirus B19 Genomic Diversity. Viruses, 2023, 15, 217.	3.3	1
5515	Multi-probe analysis of the galaxy cluster CL J1226.9+3332. Astronomy and Astrophysics, 2023, 671, A28.	5.1	3
5516	Automatic segmentation of trabecular and cortical compartments in HR-pQCT images using an embedding-predicting U-Net and morphological post-processing. Scientific Reports, 2023, 13, .	3.3	2
5517	Early Release Science of the exoplanet WASP-39b with JWST NIRSpec G395H. Nature, 2023, 614, 664-669.	27.8	67
5519	Early Release Science of the exoplanet WASP-39b with JWST NIRSpec PRISM. Nature, 2023, 614, 659-663.	27.8	76
5520	MEDUSAÂ©: A novel Python-based software ecosystem to accelerate brain-computer interface and cognitive neuroscience research. Computer Methods and Programs in Biomedicine, 2023, 230, 107357.	4.7	16
5521	A Machine Learning Approach for Walking Classification in Elderly People with Gait Disorders. Sensors, 2023, 23, 679.	3.8	4
5522	Hippocampal functional connectivity across age in an App knock-in mouse model of Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 14, .	3.4	4
5523	Chemotaxis and autoinducer-2 signalling mediate colonization and contribute to co-existence of Escherichia coli strains in the murine gut. Nature Microbiology, 2023, 8, 204-217.	13.3	13
5524	Cosmic-CoNN: A Cosmic-Ray Detection Deep-learning Framework, Data Set, and Toolkit. Astrophysical Journal, 2023, 942, 73.	4.5	0
5525	Constraining cosmic inflation with observations: Prospects for 2030. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2405-2416.	4.4	2
5526	There and back again: Understanding the critical properties of backsplash galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 649-667.	4.4	7

#	ARTICLE	IF	CITATIONS
5527	Microearthquakes in the Guadalajara Metropolitan Zone, Mexico: evidence from buried active faults in TesistÃ¡n Valley, Zapopan. Natural Hazards, 2023, 116, 2797-2818.	3.4	1
5528	Fast and realistic large-scale structure from machine-learning-augmented random field simulations. Monthly Notices of the Royal Astronomical Society, 2023, 520, 668-683.	4.4	2
5529	A data-driven model for Fennoscandian wildfire danger. Natural Hazards and Earth System Sciences, 2023, 23, 65-89.	3.6	3
5532	T cell-derived interleukin-22 drives the expression of CD155 by cancer cells to suppress NK cell function and promote metastasis. Immunity, 2023, 56, 143-161.e11.	14.3	18
5534	Mechanobiological Modulation of Blood-Brain Barrier Permeability by Laser Stimulation of Endothelial-Targeted Nanoparticles. Nanoscale, 0, , .	5.6	5
5535	A New Approach to Detecting Atrial Fibrillation Using Count Statistics of Relative Changes Between Consecutive RR Intervals. Journal of Clinical Medicine, 2023, 12, 687.	2.4	1
5536	Adaptive spatial discretization using reinforcement learning. Applied Geomatics, 0, , .	2.5	1
5537	OzDES Reverberation Mapping Program: HÎ² lags from the 6-yr survey. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2009-2023.	4.4	7
5538	Application of deep learning for bronchial asthma diagnostics using respiratory sound recordings. PeerJ Computer Science, 0, 9, e1173.	4.5	3
5539	On the choice of the most suitable indicator for the assembly state of dark matter haloes through cosmic time. Monthly Notices of the Royal Astronomical Society, 2023, 519, 6111-6125.	4.4	2
5540	Histological E-data Registration in rodent Brain Spaces. ELife, 0, 12, .	6.0	3
5541	Reading the tea leaves in the <i>M</i>bhâ€"<i>M</i>*,sph and <i>M</i>bhâ€"<i>R</i>e,sph diagrams: dry and gaseous mergers with remnant angular momentum. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1975-1996.	4.4	4
5542	Feature-Limited Prediction on the UCI Heart Disease Dataset. Computers, Materials and Continua, 2023, 74, 5871-5883.	1.9	1
5543	The<i>Gaia</i>-ESO Survey: Preparing the ground for 4MOST and WEAVE galactic surveys. Astronomy and Astrophysics, 2023, 671, A61.	5.1	4
5544	A novel fold for acyltransferase-3 (AT3) proteins provides a framework for transmembrane acyl-group transfer. ELife, 0, 12, .	6.0	1
5545	The Target-selection Pipeline for the Dark Energy Spectroscopic Instrument. Astronomical Journal, 2023, 165, 50.	4.7	38
5546	A model-based approach to addressing energy demand in sustainable urban systems. Sustainable Computing: Informatics and Systems, 2023, 37, 100844.	2.2	0
5547	Salt-bearing Disk Candidates around High-mass Young Stellar Objects. Astrophysical Journal, 2023, 942, 66.	4.5	2

#	Article	IF	Citations
5548	QUIJOTE scientific results â€" IV. A northern sky survey in intensity and polarization at 10â€"20â€°GHz with the multifrequency instrument. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3383-3431.	4.4	17
5549	Hypothesis-driven probabilistic modelling enables a principled perspective of genomic compartments. Nucleic Acids Research, 2023, 51, 1103-1119.	14.5	2
5550	Neural assemblies uncovered by generative modeling explain whole-brain activity statistics and reflect structural connectivity. ELife, 0, 12, .	6.0	9
5551	3D Minimum Channel Width Distribution in a Ni-Base Superalloy. Integrating Materials and Manufacturing Innovation, 2023, 12, 27-40.	2.6	1
5552	High-throughput telomere length measurement at nucleotide resolution using the PacBio high fidelity sequencing platform. Nature Communications, 2023, 14, .	12.8	21
5553	Metaheuristic optimization of data preparation and machine learning hyperparameters for prediction of dynamic methane production. Bioresource Technology, 2023, 372, 128604.	9.6	3
5554	Periodic and Quasi-Periodic Orbits near Close Planetary Moons. Journal of Guidance, Control, and Dynamics, 0, , 1-15.	2.8	0
5555	Machine learning for industrial processes: Forecasting amine emissions from a carbon capture plant. Science Advances, 2023, 9, .	10.3	8
5556	Application of Data Analysis Techniques to Identify Rockburst Mechanisms, Triggers, and Contributing Factors in Cave Mining. Rock Mechanics and Rock Engineering, 2023, 56, 2967-3002.	5.4	4
5557	Detailed Chemical Abundances of Stars in the Outskirts of the Tucana II Ultrafaint Dwarf Galaxy*. Astronomical Journal, 2023, 165, 55.	4.7	12
5560	<i>Euclid</i> preparation â€" XXIII. Derivation of galaxy physical properties with deep machine learning using mock fluxes and <i>H</i>-band images. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3529-3548.	4.4	7
5561	Classifying Astronomical Transients Using Only Host Galaxy Photometry. Astrophysical Journal, 2023, 942, 29.	4.5	4
5562	Optical/Î³-ray blazar flare correlations: understanding the high-energy emission process using ASAS-SN and Fermi light curves. Monthly Notices of the Royal Astronomical Society, 2023, 519, 6349-6380.	4.4	8
5563	Sequre: a high-performance framework for secure multiparty computation enables biomedical data sharing. Genome Biology, 2023, 24, .	8.8	3
5564	Application of machine learning to improve the efficiency of electrophysiological simulations used for the prediction of drug-induced ventricular arrhythmia. Computer Methods and Programs in Biomedicine, 2023, 230, 107345.	4.7	2
5565	Exposure to the Russian Internet Research Agency foreign influence campaign on Twitter in the 2016 US election and its relationship to attitudes and voting behavior. Nature Communications, 2023, 14, .	12.8	20
5566	Heuristics Integrated Deep Reinforcement Learning for Online 3D Bin Packing. IEEE Transactions on Automation Science and Engineering, 2024, 21, 939-950.	5.2	10
5567	Lithium treatment extends human lifespan: findings from the UK Biobank. Aging, 2022, 15, 421-440.	3.1	6

#	ARTICLE	IF	CITATIONS
5568	A topographic atlas defines developmental origins of cell heterogeneity in the human embryonic lung. Nature Cell Biology, 0, , .	10.3	12
5569	Precise physical conditions for the warm gas outflows in the nearby active galaxy ICâ€‰5063. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1848-1871.	4.4	6
5571	Novel angular velocity estimation technique for plasma filaments. Review of Scientific Instruments, 2023, 94, .	1.3	1
5572	SUSAN: A Deep Learning based anomaly detection framework for sustainable industry. Sustainable Computing: Informatics and Systems, 2023, 37, 100842.	2.2	1
5573	A single-cell massively parallel reporter assay detects cell-type-specific gene regulation. Nature Genetics, 2023, 55, 346-354.	21.4	18
5574	Medical Data Transformations in Healthcare Systems with the Use of Natural Language Processing Algorithms. Applied Sciences (Switzerland), 2023, 13, 682.	2.5	1
5575	Rotational modulation in A and F stars: magnetic stellar spots or convective core rotation?. Monthly Notices of the Royal Astronomical Society, 2023, 520, 216-232.	4.4	4
5577	Leveraging an open source serverless framework for high energy physics computing. Journal of Supercomputing, 2023, 79, 8940-8965.	3.6	2
5578	Machine learning of cloud types in satellite observations and climate models. Atmospheric Chemistry and Physics, 2023, 23, 523-549.	4.9	5
5579	On the Origins of Spontaneous Spherical Symmetry-Breaking in Open-Shell Atoms Through Polymer Self-Consistent Field Theory. Journal of Chemical Physics, 0, , .	3.0	0
5581	Inspirational Stimuli Attain Visual Allocation: Examining Design Ideation with Eye-Tracking. , 2023, , 463-480.		0
5582	Integrated intracellular organization and its variations in human iPS cells. Nature, 2023, 613, 345-354.	27.8	39
5583	Revisiting GeV-scale annihilating dark matter with the AMS-02 positron fraction. Physical Review D, 2023, 107, .	4.7	2
5584	The stability of inviscid Beltrami flow between parallel free-slip impermeable boundaries. Journal of Fluid Mechanics, 2023, 954, .	3.4	2
5585	Hybrid Neural Network Based Models for Evapotranspiration Prediction Over Limited Weather Parameters. IEEE Access, 2023, 11, 963-976.	4.2	6
5586	GRBâ€‰160410A: The first chemical study of the interstellar medium of a short GRB. Monthly Notices of the Royal Astronomical Society, 2023, 520, 613-636.	4.4	4
5587	Decoding of the speech envelope from EEG using the VLAAI deep neural network. Scientific Reports, 2023, 13, .	3.3	7
5588	DL4DSâ€"Deep learning for empirical downscaling. , 2023, 2, .		5

#	Article	IF	Citations
5589	PySME. Astronomy and Astrophysics, 2023, 671, A171.	5.1	7
5590	Machine Learning for Fast, Quantum Mechanics-Based Approximation of Drug Lipophilicity. ACS Omega, 2023, 8, 2046-2056.	3.5	13
5591	Conformational dynamics and putative substrate extrusion pathways of the N-glycosylated outer membrane factor CmeC from Campylobacter jejuni. PLoS Computational Biology, 2023, 19, e1010841.	3.2	1
5592	POSEIDON: A Multidimensional Atmospheric Retrieval Code for Exoplanet Spectra. Journal of Open Source Software, 2023, 8, 4873.	4.6	9
5593	Integrating Phylogenetics With Intron Positions Illuminates the Origin of the Complex Spliceosome. Molecular Biology and Evolution, 2023, 40, .	8.9	11
5595	Effects of rotation on the spectroscopic observables of massive stars. Astronomy and Astrophysics, 2023, 669, L11.	5.1	2
5596	QUIJOTE scientific results â€" VI. The Haze as seen by QUIJOTE. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3460-3480.	4.4	4
5597	Development and Validation of an Artificial Neural-Network-Based Optical Density Soft Sensor for a High-Throughput Fermentation System. Processes, 2023, 11, 297.	2.8	7
5599	Standard Cooling of Rapidly Rotating Isolated Neutron Stars in 2D. Astrophysical Journal, 2023, 942, 72.	4.5	2
5600	Machine Learning Techniques in Reactive Atomistic Simulations. Lecture Notes in Energy, 2023, , 15-52.	0.3	0
5601	Straightforward model construction and analysis of multi-component biomolecular systems. RSC Chemical Biology, 0, , .	4.1	2
5602	Target Selection and Validation of DESI Luminous Red Galaxies. Astronomical Journal, 2023, 165, 58.	4.7	44
5603	LongBondEliminator: A Molecular Simulation Tool to Remove Ring Penetrations in Biomolecular Simulation Systems. Biomolecules, 2023, 13, 107.	4.0	1
5604	The Radial Variation of the Solar Wind Turbulence Spectra near the Kinetic Break Scale from Parker Solar Probe Measurements. Astrophysical Journal, 2023, 942, 93.	4.5	8
5605	Multiple emission components in the Cygnus cocoon detected from <i>Fermi</i>-LAT observations. Astronomy and Astrophysics, 2023, 671, A47.	5.1	1
5607	The impact of spurious collisional heating on the morphological evolution of simulated galactic discs. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5942-5961.	4.4	12
5608	Analysis of noisy transient signals based on Gaussian process regression. Biophysical Journal, 2023, 122, 451-459.	0.5	0
5609	QUIJOTE scientific results â€" IX. Radio sources in the QUIJOTE-MFI wide survey maps. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3526-3545.	4.4	2

#	ARTICLE	IF	CITATIONS
5610	PyMieSim: an open-source library for fast and flexible far-field Mie scattering simulations. , 2023, 2, 520.		1
5611	Photoablation at single cell resolution and its application in the Drosophila epidermis and peripheral nervous system. Frontiers in Physiology, 0, 13, .	2.8	0
5613	Dust dynamics in planet-forming discs in binary systems. European Physical Journal Plus, 2023, 138, .	2.6	5
5614	(Nearly) Model-independent Constraints on the Neutral Hydrogen Fraction in the Intergalactic Medium at z â~¼ 5â€"7 Using Dark Pixel Fractions in LyÎ± and LyÎ² Forests. Astrophysical Journal, 2023, 942, 59.	4.5	10
5615	The State of the Molecular Gas in Post-starburst Galaxies. Astrophysical Journal, 2023, 942, 25.	4.5	9
5616	The Relationship between Age, Metallicity, and Abundances for Disk Stars in a Simulated Milky Way. Astrophysical Journal, 2023, 942, 35.	4.5	5
5617	QUIJOTE scientific results â€" VIII. Diffuse polarized foregrounds from component separation with QUIJOTE-MFI. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3504-3525.	4.4	6
5618	Detecting macroevolutionary genotypeâ€"phenotype associations using error-corrected rates of protein convergence. Nature Ecology and Evolution, 2023, 7, 155-170.	7.8	10
5619	Inhibitory top-down projections from zona incerta mediate neocortical memory. Neuron, 2023, 111, 727-738.e8.	8.1	14
5620	Limits on the non-thermal emission of the WR-WR system Apep. Astronomy and Astrophysics, 0, , .	5.1	1
5621	Constraining the Densities of the Three Kepler-289 Planets with Transit Timing Variations. Astronomical Journal, 2023, 165, 48.	4.7	2
5623	Sources of marine debris for Seychelles and other remote islands in the western Indian Ocean. Marine Pollution Bulletin, 2023, 187, 114497.	5.0	11
5624	Causality analysis in type 1 diabetes mellitus with application to blood glucose level prediction. Computers in Biology and Medicine, 2023, 153, 106535.	7.0	3
5625	Qualitative trend analysis based on a mixed-integer representation. Computers and Chemical Engineering, 2023, 170, 108109.	3.8	1
5626	Distance-preserving manifold denoising for data-driven mechanics. Computer Methods in Applied Mechanics and Engineering, 2023, 405, 115857.	6.6	1
5627	Organization of neurochemical interactions in young and older brains as revealed with a network approach: Evidence from proton magnetic resonance spectroscopy (1H-MRS). NeuroImage, 2023, 266, 119830.	4.2	4
5628	Numerical simulation of the general rate model of chromatography using orthogonal collocation. Computers and Chemical Engineering, 2023, 170, 108068.	3.8	4
5629	Implementation of a graph-embedded topic model for analysis of population-level electronic health records. STAR Protocols, 2023, 4, 101966.	1.2	1

#	ARTICLE	IF	CITATIONS
5630	Interaction of psychedelic tryptamine derivatives with a lipid bilayer. Chemistry and Physics of Lipids, 2023, 251, 105279.	3.2	7
5631	Effects of offshore wind farms on suspended particulate matter derived from satellite remote sensing. Science of the Total Environment, 2023, 866, 161114.	8.0	1
5632	An investigation of the gender gap in the information technology and engineering programs through text mining. Decision Analytics Journal, 2023, 6, 100158.	4.8	2
5633	PyAlbany: A Python interface to the C++ multiphysics solver Albany. Journal of Computational and Applied Mathematics, 2023, 425, 115037.	2.0	2
5634	DNAsim: Evaluation Framework for Digital Neuromorphic Architectures. , 2022, , .		0
5635	FLOPs as a Discriminant for Dense Linear Algebra Algorithms. , 2022, , .		0
5636	A Novel Low-Cost Approach For Detection, Classification, and Quantification of Microplastic Pollution in Freshwater Ecosystems using IoT devices and Instance Segmentation. , 2022, , .		0
5637	Deep Reinforcement Learning For Secure Communication. , 2022, , .		0
5638	Examining the Effect of Feature Normalization and Feature Selection for Logistic Regression Based Multimodal Stress Detection. , 2022, , .		0
5639	Constrained Differential Dynamic Programming: A primal-dual augmented Lagrangian approach. , 2022, , .		12
5640	Fast Scan Context Matching for Omnidirectional 3D Scan. , 2022, , .		0
5641	enpheeph: A Fault Injection Framework for Spiking and Compressed Deep Neural Networks. , 2022, , .		5
5642	Machine Learning for Arabic Text Classification: A Comparative Study. , 0, , 163-173.		0
5643	Prediction of hepatocellular carcinoma using a machine learning algorithm. , 2022, , .		1
5644	Alignment of major-groove hydrogen bond arrays uncovers shared information between different DNA sequences that bind the same protein. NAR Genomics and Bioinformatics, 2022, 4, .	3.2	1
5645	An Algorithm to Classify Real-World Ambulatory Status From a Wearable Device Using Multimodal and Demographically Diverse Data: Validation Study. JMIR Biomedical Engineering, 0, 8, e43726.	1.2	5
5647	Pathogen-derived mechanical cues potentiate the spatio-temporal implementation of plant defense. BMC Biology, 2022, 20, .	3.8	3
5648	Vickers hardness prediction from machine learning methods. Scientific Reports, 2022, 12, .	3.3	1

#	Article	IF	Citations
5649	Implications of the Milky Way Travel Velocity for Dynamical Mass Estimates of the Local Group. Astrophysical Journal, 2023, 942, 18.	4.5	10
5650	Impact of rotation on the multimessenger signatures of a hadron-quark phase transition in core-collapse supernovae. Physical Review D, 2022, 106, .	4.7	2
5651	Design of Selective TPV Thermal Emitters Based on Bayesian Optimization Nesting Simulated Annealing. Energies, 2023, 16, 416.	3.1	1
5652	Hubble Space Telescope and Hyper-Suprime-Cam Weak-lensing Study of the Equal-mass Dissociative Merger CIZA J0107.7+5408. Astrophysical Journal, 2023, 942, 23.	4.5	5
5653	An Elusive Population of Massive Disk Galaxies Hosting Double-lobed Radio-loud Active Galactic Nuclei. Astrophysical Journal, 2022, 941, 95.	4.5	6
5654	Fast High-Fidelity Gates for Galvanically-Coupled Fluxonium Qubits Using Strong Flux Modulation. PRX Quantum, 2022, 3, .	9.2	9
5655	Definition of Building Archetypes Based on the Swiss Energy Performance Certificates Database. Buildings, 2023, 13, 40.	3.1	3
5656	A Parameterized Neutrino Emission Model to Study Mass Ejection in Failed Core-collapse Supernovae. Astrophysical Journal, 2023, 942, 16.	4.5	2
5657	Quantum-chemical calculation of two-dimensional infrared spectra using localized-mode VSCF/VCI. Journal of Chemical Physics, 2022, 157, .	3.0	3
5658	Machine Learning based selection of Myocardial Complications to Predict Heart Attack. , 2022, , .		0
5659	Prediction of designer-recombinases for DNA editing with generative deep learning. Nature Communications, 2022, 13, .	12.8	14
5660	Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data. Astrophysical Journal Letters, 2022, 941, L30.	8.3	7
5661	Informative Path Planning in Random Fields via Mixed Integer Programming. , 2022, , .		1
5662	Altered visual cortex excitability in premenstrual dysphoric disorder: Evidence from magnetoencephalographic gamma oscillations and perceptual suppression. PLoS ONE, 2022, 17, e0279868.	2.5	2
5663	Interactive Python Notebooks for Physical Chemistry. Journal of Chemical Education, 2023, 100, 933-940.	2.3	6
5664	Revelation of microcracks as tooth structural element by X-ray tomography and machine learning. Scientific Reports, 2022, 12, .	3.3	5
5665	Composition of Polysaccharides in Hull-Less Barley Sourdough Bread and Their Impact on Physical Properties of Bread. Foods, 2023, 12, 155.	4.3	5
5666	Radio jetâ€"ISM interaction and positive radio-mechanical feedback in Abell 1795. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3338-3356.	4.4	2

#	Article	IF	Citations
5667	Spontaneous behaviour is structured by reinforcement without explicit reward. Nature, 2023, 614, 108-117.	27.8	56
5668	Comparison of machine learning approaches to emotion recognition based on deap database physiological signals. Telfor Journal, 2022, 14, 73-78.	0.7	0
5669	An inverse transformation algorithm to infer parameter distributions from population snapshot data. IFAC-PapersOnLine, 2022, 55, 86-91.	0.9	0
5670	Stable Topological Feature Vectors via Hermite Function Expansion on Persistence Curves. , 2022, , .		0
5671	A Real-time, Scalable Monitoring and User Analytics Solution for Microservices-based Software Applications. , 2022, , .		0
5672	Extracellular Cues Govern Shape and Cytoskeletal Organization in Giant Unilamellar Lipid Vesicles. ACS Synthetic Biology, 2023, 12, 369-374.	3.8	3
5673	Exploring cooperative molecular contacts using a PostgreSQL database system. Molecular Informatics, 0, , .	2.5	0
5674	Conductivity experiments for electrolyte formulations and their automated analysis. Scientific Data, 2023, 10, .	5.3	0
5676	Formally comparing topic models and human-generated qualitative coding of physician mothersâ€™ experiences of workplace discrimination. Big Data and Society, 2023, 10, 205395172211491.	4.5	4
5677	HDF5eis: A storage and input/output solution for big multidimensional time series data from environmental sensors. Geophysics, 2023, 88, F29-F38.	2.6	2
5678	The diversity of aluminum-based drinking water treatment residuals for use in environmental remediation. Environmental Science: Water Research and Technology, 2023, 9, 935-947.	2.4	1
5679	Unified and Standardized Mass Spectrometry Data Processing in Python Using spectrum_utils. Journal of Proteome Research, 2023, 22, 625-631.	3.7	5
5680	A Green Bank Telescope Search for Narrowband Technosignatures between 1.1 and 1.9 GHz During 12 Kepler Planetary Transits. Astronomical Journal, 2023, 165, 61.	4.7	4
5681	Astrometry in two-photon interferometry using an Earth rotation fringe scan. Physical Review D, 2023, 107, .	4.7	1
5682	Kepler-102: Masses and Compositions for a Super-Earth and Sub-Neptune Orbiting an Active Star. Astronomical Journal, 2023, 165, 74.	4.7	3
5683	Planning Visual Inspection Tours for a 3D Dubins Airplane Model in an Urban Environment. , 2023, , .		0
5684	Biomedical consequences of elevated cholesterol-containing lipoproteins and apolipoproteins on cardiovascular and non-cardiovascular outcomes. Communications Medicine, 2023, 3, .	4.2	4
5685	Influence of Dzyaloshinskiiâ€"Moriya interaction and perpendicular anisotropy on spin waves propagation in stripe domain patterns and spin spirals. Scientific Reports, 2023, 13, .	3.3	0

#	Article	IF	Citations
5686	Resolved SPLASH Chemodynamics in Andromeda's PHAT Stellar Halo and Disk: On the Nature of the Inner Halo along the Major Axis. Astronomical Journal, 2023, 165, 75.	4.7	3
5687	Design and Development of a Relational Database Management System (RDBMS) with Open Source Tools for the Processing of Data Monitored in a Set of Photovoltaic (PV) Plants. Applied Sciences (Switzerland), 2023, 13, 1357.	2.5	3
5688	Probing general relativity in galactic scales at z â¼ 0.3. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1613-1629.	4.4	0
5689	Simultaneous N-Deglycosylation and Digestion of Complex Samples on S-Traps Enables Efficient Glycosite Hypothesis Generation. ACS Omega, 2023, 8, 4410-4418.	3.5	0
5690	A Systematic Search for Short-period Close White Dwarf Binary Candidates Based on Gaia EDR3 Catalog and Zwicky Transient Facility Data. Astrophysical Journal, Supplement Series, 2023, 264, 39.	7.7	3
5691	Characterization of Integrase and Excisionase Activity in a Cell-Free Protein Expression System Using a Modeling and Analysis Pipeline. ACS Synthetic Biology, 2023, 12, 511-523.	3.8	5
5692	Optimal Observational Scheduling Framework for Binary and Multiple Stellar Systems*. Publications of the Astronomical Society of the Pacific, 2023, 135, 014501.	3.1	0
5693	Centromeres as universal hotspots of DNA breakage, driving RAD51-mediated recombination during quiescence. Molecular Cell, 2023, 83, 523-538.e7.	9.7	19
5694	Rapid Approximate Subset-Based Spectra Prediction for Electron Ionization–Mass Spectrometry. Analytical Chemistry, 2023, 95, 2653-2663.	6.5	9
5695	A Machine Learning-Based Applied Prediction Model for Identification of Acute Coronary Syndrome (ACS) Outcomes and Mortality in Patients during the Hospital Stay. Sensors, 2023, 23, 1351.	3.8	4
5696	Improved calculations of mean ionization states with an average-atom model. Physical Review Research, 2023, 5, .	3.6	4
5697	Spafe: Simplified python audio features extraction. Journal of Open Source Software, 2023, 8, 4739.	4.6	1
5698	Experimental and Numerical Investigation of Lauric Acid Melting at Suboptimal Inclines. , 2023, 2, .		3
5699	SLAC microresonator RF (SMuRF) electronics: A tone-tracking readout system for superconducting microwave resonator arrays. Review of Scientific Instruments, 2023, 94, .	1.3	7
5700	Observability of silicates in volatile atmospheres of super-Earths and sub-Neptunes. Astronomy and Astrophysics, 2023, 671, A138.	5.1	4
5702	Cold Deuterium Fractionation in the Nearest Planet-forming Disk. Astrophysical Journal, 2023, 943, 35.	4.5	2
5703	Disentangling contact and ensemble epistasis in a riboswitch. Biophysical Journal, 2023, 122, 1600-1612.	0.5	2
5704	Pixel-to-pixel Translation of Solar Extreme-ultraviolet Images for DEMs by Fully Connected Networks. Astrophysical Journal, Supplement Series, 2023, 264, 33.	7.7	0

#	Article	IF	Citations
5705	<tt>DrTransformer</tt>: heuristic cotranscriptional RNA folding using the nearest neighbor energy model. Bioinformatics, 2023, 39, .	4.1	3
5706	Yield prediction through integration of genetic, environment, and management data through deep learning. G3: Genes, Genomes, Genetics, 2023, 13, .	1.8	10
5707	A Mobile Reinforcement Learning-Cyber-Physical Fluid Dynamics-based Flapping Wing Platform: Simulation Component. , 2023, , .		0
5709	Artificial Intelligence Outperforms Kaplanâ€"Meier Analyses Estimating Survival after Elective Treatment of Abdominal Aortic Aneurysms. European Journal of Vascular and Endovascular Surgery, 2023, 65, 600-607.	1.5	8
5711	Impacts of Wildfire Smoke and Air Pollution on a Pediatric Population with Asthma: A Population-Based Study. International Journal of Environmental Research and Public Health, 2023, 20, 1937.	2.6	9
5712	Reproducibility of Mesopic and Photopic Pupil Sizes in Myopic Children Using a Dedicated Pupillometer with Human-Assisted or Automated Reading. Journal of Personalized Medicine, 2023, 13, 273.	2.5	0
5713	TransPyREnd: a code for modelling the transport of radionuclides on geological timescales. Advances in Geosciences, 0, 58, 109-119.	12.0	2
5714	A Naive Bayes Classifier for identifying Class II YSOs. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
5715	Artificial neural networks for galaxy clustering: Learning from the two-point correlation function of BOSS galaxies. Astronomy and Computing, 2023, 42, 100692.	1.7	0
5716	Artificial Neural Network to Predict Structure-based Protein-protein Free Energy of Binding from Rosetta calculated Properties. Physical Chemistry Chemical Physics, 0, , .	2.8	0
5717	Compilation of Entangling Gates for High-Dimensional Quantum Systems. , 2023, , .		2
5718	Two novel genes identified by large-scale transcriptomic analysis are essential for biofilm and rugose colony development of Vibrio vulnificus. PLoS Pathogens, 2023, 19, e1011064.	4.7	2
5719	The Orion OB Association as a Generator for the Hot Circumgalactic Medium. Astrophysical Journal, 2023, 943, 61.	4.5	2
5720	Unsupervised Representation Learning with Task-Agnostic Feature Masking for Robust End-to-End Speech Recognition. Mathematics, 2023, 11, 622.	2.2	1
5721	Perception Testing in Fog for Autonomous Flight. , 2023, , .		0
5722	Differential co-expression network analysis with DCoNA reveals isomiR targeting aberrations in prostate cancer. Bioinformatics, 2023, 39, .	4.1	0
5723	Modelling populations of kilonovae. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2829-2842.	4.4	6
5724	Robustness of cosmic birefringence measurement against Galactic foreground emission and instrumental systematics. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 044.	5.4	10

#	Article	IF	Citations
5725	Statistical Study of the Star Formation Efficiency in Bars: Is Star Formation Suppressed in Gas-rich Bars?. Astrophysical Journal, 2023, 943, 7.	4.5	8
5726	Discovery of periodicities in two highly variable intermediate polars towards the Galactic centre. Astronomy and Astrophysics, 2023, 671, A120.	5.1	2
5727	The Ionizing Spectra of Extremely Metal-poor O Stars: Constraints from the Only H ii Region in Leo P. Astrophysical Journal, 2023, 943, 65.	4.5	4
5728	The Pan-STARRS1 z > 5.6 Quasar Survey. III. The z ≈ 6 Quasar Luminosity Function. Astrophysical Journal, 2023, 943, 67.	4.5	8
5729	Thermodynamics of a single mesoscopic phononic mode. Physical Review Research, 2023, 5, .	3.6	2
5730	Generative Models of Multichannel Data from a Single Example—Application to Dust Emission. Astrophysical Journal, 2023, 943, 9.	4.5	3
5732	Light-sheet microscopy reveals dorsoventral asymmetric membrane dynamics of <i>Amoeba proteus</i> during pressure-driven locomotion. Biology Open, 2023, 12, .	1.2	4
5733	Investigations into fentanyl precursors method classification by handheld Fourier transform infrared and Raman spectroscopy combined with multivariate statistical analysis. Forensic Chemistry, 2023, 33, 100476.	2.8	1
5734	Bi-directional Scan Pattern Effects on Residual Stresses and Distortion in As-built Nitinol Parts: A Trend Analysis Simulation Study. Integrating Materials and Manufacturing Innovation, 2023, 12, 52-69.	2.6	6
5735	Semisupervised Machine Learning for Sensitive Open Modification Spectral Library Searching. Journal of Proteome Research, 2023, 22, 585-593.	3.7	4
5736	Synthetic population of interstellar objects in the Solar System. Astronomy and Computing, 2023, 42, 100690.	1.7	4
5737	Assessment of chemistry knowledge in large language models that generate code. , 2023, 2, 368-376.		20
5739	Effects of Planetesimal Scattering: Explaining the Observed Offsets from Period Ratios 3:2 and 2:1. Astrophysical Journal, 2023, 943, 8.	4.5	5
5740	A Mixed Stirring Mechanism for Debris Discs with Giant and Dwarf Planetary Perturbations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
5741	On Time and Space: An Experimental Study on Graph Structural and Temporal Encodings. Lecture Notes in Computer Science, 2023, , 271-288.	1.3	0
5743	An experimental study of liquid micro-jets produced with a gas dynamic virtual nozzle under the influence of an electric field. Frontiers in Molecular Biosciences, 0, 10, .	3.5	1
5745	NuSTAR Observes Two Bulgeless Galaxies: No Hard X-Ray AGN Detected in NGC 4178 or J0851+3926. Astrophysical Journal, 2023, 943, 109.	4.5	1
5746	From Molecular to Multiasperity Contacts: How Roughness Bridges the Friction Scale Gap. ACS Nano, 2023, 17, 2205-2211.	14.6	5

#	Article	IF	Citations
5747	Thermal and reionization history within a large-volume semi-analytic galaxy formation simulation. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3368-3382.	4.4	2
5748	Snekmer: a scalable pipeline for protein sequence fingerprinting based on amino acid recoding. Bioinformatics Advances, 2023, 3, .	2.4	1
5749	Cloud-radiative impact on the dynamics and predictability of an idealized extratropical cyclone. Weather and Climate Dynamics, 2023, 4, 115-132.	3.5	1
5750	Technical Study of Deep Learning in Cloud Computing for Accurate Workload Prediction. Electronics (Switzerland), 2023, 12, 650.	3.1	1
5751	Photometric and structural parameters of newly discovered nuclear star clusters in Local Volume galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4664-4682.	4.4	3
5752	A 1.2 Billion Pixel Human-Labeled Dataset for Data-Driven Classification of Coastal Environments. Scientific Data, 2023, 10, .	5.3	5
5754	3D RNA-scaffolded wireframe origami. Nature Communications, 2023, 14, .	12.8	13
5755	A Combined Radio Multi-Survey Catalog of Fermi Unassociated Sources. Astrophysical Journal, 2023, 943, 51.	4.5	2
5756	Python based API to post-process CFD data. , 2023, , .		2
5757	The Orbital Architecture of Qatar-6: A Fully Aligned Three-body System?. Astronomical Journal, 2023, 165, 65.	4.7	9
5758	Time-Series Analysis of Oxygen as an Important Environmental Parameter for Monitoring Diversity Hotspot Ecosystems: An Example of a River Sinking into the Karst Underground. Diversity, 2023, 15, 156.	1.7	0
5759	Simulated performance of the molecular mapping for young giant exoplanets with the Medium-Resolution Spectrometer of JWST/MIRI. Astronomy and Astrophysics, 2023, 671, A109.	5.1	2
5763	Assessing Digital Competence Through Teacher Training in Early Education Teachers. Communications in Computer and Information Science, 2023, , 55-68.	0.5	0
5764	Modelling kilonova afterglows: Effects of the thermal electron population and interaction with GRB outflows. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2727-2746.	4.4	5
5765	Adaptive Sample Selection for Robust Learning under Label Noise. , 2023, , .		5
5766	Burden of Hand Osteoarthritis in the Middle East and North Africa (MENA): An Epidemiological Analysis From 1990 to 2019. Journal of Hand Surgery, 2023, 48, 245-256.	1.6	4
5767	Postmortem reference concentrations of 68 elements in blood and urine. International Journal of Legal Medicine, 2023, 137, 655-669.	2.2	1
5768	PyKronecker: A Python Library for the Efficient Manipulation of Kronecker Products and Related Structures. Journal of Open Source Software, 2023, 8, 4900.	4.6	1

#	Article	IF	Citations
5769	GRHL2 and AP2a coordinate early surface ectoderm lineage commitment during development. IScience, 2023, 26, 106125.	4.1	4
5770	PHANGS-MUSE: Detection and Bayesian classification of ~40 000 ionised nebulae in nearby spiral galaxies. Astronomy and Astrophysics, 2023, 672, A148.	5.1	1
5771	When Spectral Modeling Meets Convolutional Networks: A Method for Discovering Reionization-era Lensed Quasars in Multiband Imaging Data. Astrophysical Journal, 2023, 943, 150.	4.5	1
5772	A comparison of the baryonic Tullyâ€"Fisher relation in MaNGA and IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3895-3908.	4.4	5
5773	dcor: Distance correlation and energy statistics in Python. SoftwareX, 2023, 22, 101326.	2.6	1
5774	Impacts of existing and planned hydropower dams on river fragmentation in the Balkan Region. Science of the Total Environment, 2023, 871, 161940.	8.0	6
5775	Self-labelling of tugboat operation using unsupervised machine learning and intensity indicator. Maritime Transport Research, 2023, 4, 100082.	3.2	1
5776	Introducing and Integrating Machine Learning in an Operations Research Curriculum: An Application-Driven Course. INFORMS Transactions on Education, 2023, 23, 64-83.	0.5	4
5777	Sound Classification using Sound Spectrum Features and Convolutional Neural Networks. , 2022, , .		1
5778	Optical Cross-Match of SRG/eROSITA X-ray Sources Using the Deep Lockman Hole Survey as an Example. Astronomy Letters, 2022, 48, 653-664.	1.0	0
5779	Deinsum: Practically I/O Optimal Multi-Linear Algebra. , 2022, , .		2
5780	Investigation of a Simplified Photometer Design for the Measurement of Ozone Gas Concentration. , 2022, , .		0
5781	Anion-polarisationâ€"directed short-range-order in antiperovskite Li_2FeSO. Journal of Materials Chemistry A, 0, , .	10.3	1
5782	TS-MIoU: A Time Series Similarity Metric Without Mapping. Lecture Notes in Computer Science, 2023, , 87-102.	1.3	0
5783	Bioenergetics modelling of growth processes in parasitized Eastern Baltic cod (*Gadus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 Td (		0
5784	A Closed-Loop Signal Conditioning Scheme for Core-Less Planar LVDT. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	4.7	0
5785	Practical Correlation-Matrix Approaches for Standardized Testing of Wireless Devices in Reverberation Chambers. IEEE Open Journal of Antennas and Propagation, 2023, 4, 408-426.	3.7	1
5786	POSYDON: A General-purpose Population Synthesis Code with Detailed Binary-evolution Simulations. Astrophysical Journal, Supplement Series, 2023, 264, 45.	7.7	34

#	Article	IF	Citations
5787	guitarsounds: A Python package to visualize harmonic sounds for musical instrument design. Journal of Open Source Software, 2023, 8, 4878.	4.6	0
5788	Weighing the Darkness. III. Â How Gaia Could, but Probably Will Not, Astrometrically Detect Free-floating Black Holes. Astrophysical Journal, 2023, 944, 146.	4.5	2
5789	Modifications in the piperazine ring of nucleozin affect anti-influenza activity. PLoS ONE, 2023, 18, e0277073.	2.5	1
5790	Multi-sensor monitoring and data integration reveal cyclical destabilization of the Ã„uÃŸeres Hochebenkar rock glacier. Earth Surface Dynamics, 2023, 11, 117-147.	2.4	9
5792	Looplets: A Language for Structured Coiteration. , 2023, , .		1
5793	Retinal neovascularization as self-organized criticality on ultra-widefield fluorescein angiography imaging of diabetic retinopathy. Eye, 2023, 37, 2795-2800.	2.1	1
5794	Using Neural Networks to Differentiate Newly Discovered BL Lacertae Objects and FSRQs among the 4FGL Unassociated Sources Employing Gamma-Ray, X-Ray, UV/Optical, and IR Data. Astrophysical Journal, 2023, 943, 167.	4.5	5
5796	Correcting bandwidth depolarization by extreme Faraday rotation. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4822-4835.	4.4	0
5797	Scalable Parallel Nonlinear Optimization with PyNumero and Parapint. INFORMS Journal on Computing, 2023, 35, 509-517.	1.7	5
5798	Analysis of Application-Level Load Balancing Algorithms. , 2023, , .		0
5799	Association between congenital heart disease and parenteral nutrition–associated liver disease in neonates: A retrospective cohort study. Journal of Parenteral and Enteral Nutrition, 2023, 47, 501-510.	2.6	0
5800	A sheep pangenome reveals the spectrum of structural variations and their effects on tail phenotypes. Genome Research, 2023, 33, 463-477.	5.5	19
5801	Technical note: colab_zirc_dims: a Google Colab-compatible toolset for automated and semi-automated measurement of mineral grains in laser ablation–inductively coupled plasma–mass spectrometry images using deep learning models. Geochronology, 2023, 5, 109-126.	2.5	2
5803	Distinct cortico-striatal compartments drive competition between adaptive and automatized behavior. PLoS ONE, 2023, 18, e0279841.	2.5	0
5804	Bayesian Optimization based Score Fusion of Linguistic Approaches for Improving Legal Document Summarization. Knowledge-Based Systems, 2023, 264, 110336.	7.1	6
5805	Reproducible and relocatable regional ocean modelling: fundamentals and practices. Geoscientific Model Development, 2023, 16, 1481-1510.	3.6	1
5806	The Muscular Dystrophy Association's neuroMuscular ObserVational Research Data Hub (MOVR): Design, Methods, and Initial Observations. Journal of Neuromuscular Diseases, 2023, 10, 365-380.	2.6	1
5807	Near-infrared-based determination of mass-based material flow compositions in mechanical recycling of post-consumer plastics: Technical feasibility enables novel applications. Resources, Conservation and Recycling, 2023, 191, 106873.	10.8	7

#	Article	IF	Citations
5808	Hard Potato: A Python Library to Control Commercial Potentiostats and to Automate Electrochemical Experiments. Analytical Chemistry, 2023, 95, 4840-4845.	6.5	2
5809	Comet-like Activity Discovered on Quasi-Hilda Asteroid 2009 DQ118. Research Notes of the AAS, 2023, 7, 42.	0.7	6
5810	The HETDEX Survey Emission-line Exploration and Source Classification*. Astrophysical Journal, 2023, 946, 86.	4.5	8
5811	Star Formation Laws and Efficiencies across 80 Nearby Galaxies. Astrophysical Journal Letters, 2023, 945, L19.	8.3	16
5812	Variety of steady and excited state interactions in BODIPY aggregates: Photophysics in antisolvent systems and floating layers. Journal of Molecular Liquids, 2023, 375, 121380.	4.9	1
5813	Determination of 1929 Asteroid Rotation Periods from WISE Data. Planetary Science Journal, 2023, 4, 61.	3.6	1
5814	Thermal Models of Asteroids with Two-band Combinations of Wide-field Infrared Survey Explorer Cryogenic Data. Planetary Science Journal, 2023, 4, 64.	3.6	0
5815	Advancements and Challenges in Machine Learning: A Comprehensive Review of Models, Libraries, Applications, and Algorithms. Electronics (Switzerland), 2023, 12, 1789.	3.1	18
5816	A standardized catalogue of spectral indices to advance the use of remote sensing in Earth system research. Scientific Data, 2023, 10, .	5.3	11
5817	Active Learning for Optimum Experimental Design â€" Insight into Perovskite Oxides. Canadian Journal of Chemistry, 0, , .	1.1	1
5818	<i>arfA</i> antisense RNA regulates MscL excretory activity. Life Science Alliance, 2023, 6, e202301954.	2.8	0
5819	Searching for Compact Object Candidates from LAMOST Time-domain Survey of Four K2 Plates. Astronomical Journal, 2023, 165, 187.	4.7	0
5820	pyerrors: A python framework for error analysis of Monte Carlo data. Computer Physics Communications, 2023, 288, 108750.	7.5	3
5821	Zwicky Transient Facility and Globular Clusters: The Periodâ€"Luminosity and Periodâ€"Wesenheit Relations for SX Phoenicis Variables in the gri Band. Astronomical Journal, 2023, 165, 190.	4.7	2
5822	MaNGA galaxy properties â€" II. A detailed comparison of observed and simulated spiral galaxy scaling relations. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1208-1227.	4.4	2
5823	Quantification of High-dimensional Non-Gaussianities and Its Implication to Fisher Analysis in Cosmology. Astrophysical Journal, 2023, 946, 107.	4.5	3
5824	Magnetic Misalignment of Interstellar Dust Filaments. Astrophysical Journal, 2023, 946, 106.	4.5	4
5825	Stellar Escape from Globular Clusters. I. Escape Mechanisms and Properties at Ejection. Astrophysical Journal, 2023, 946, 104.	4.5	5

#	ARTICLE	IF	CITATIONS
5826	Engineering a membrane-binding protein to trimerize and induce high membrane curvature. Biophysical Journal, 2023, 122, 3008-3017.	0.5	1
5827	Tracking the Enigmatic Globular Cluster Ultracompact X-Ray Binary X1850â€"087: Extreme Radio Variability in the Hard State. Astrophysical Journal, 2023, 946, 88.	4.5	1
5828	Shape-driven selection effects for aspherical near-Earth objects in systematic surveys. Icarus, 2023, 396, 115501.	2.5	1
5829	Evaluating the utility of a high throughput thiol-containing fluorescent probe to screen for reactivity: A case study with the Tox21 library. Computational Toxicology, 2023, 26, 100271.	3.3	0
5830	Room for improvement in the initial martini 3 parameterization of peptide interactions. Chemical Physics Letters, 2023, 819, 140436.	2.6	7
5831	Performance of acceleration techniques for staggered phase-field solutions. Computer Methods in Applied Mechanics and Engineering, 2023, 410, 116029.	6.6	3
5832	Paleogeographic reconstructions using QGIS: Introducing Terra Antiqua plugin and its application to 30 and 50 Ma maps. Earth-Science Reviews, 2023, 240, 104401.	9.1	2
5833	Axial and radial axonal diffusivities and radii from single encoding strongly diffusion-weighted MRI. Medical Image Analysis, 2023, 86, 102767.	11.6	5
5834	j-Wave: An open-source differentiable wave simulator. SoftwareX, 2023, 22, 101338.	2.6	3
5835	RufGen: A plug-in for rough surface generation in Abaqus/CAE. SoftwareX, 2023, 22, 101380.	2.6	0
5836	Principled interpolation of Greenâ€™s functions learned from data. Computer Methods in Applied Mechanics and Engineering, 2023, 409, 115971.	6.6	0
5837	Automated postural asymmetry assessment in infants neurodevelopmental evaluation using novel video-based features. Computer Methods and Programs in Biomedicine, 2023, 233, 107455.	4.7	0
5838	watex: machine learning research in water exploration. SoftwareX, 2023, 22, 101367.	2.6	4
5839	Understanding mobile phase buffer composition and chemical structure effects on electrospray ionization mass spectrometry response. Journal of Chromatography A, 2023, 1696, 463966.	3.7	3
5840	Inflation from a chaotic potential with a step. Physics of the Dark Universe, 2023, 40, 101188.	4.9	0
5841	Global prevalence of SARS-CoV-2 3CL protease mutations associated with nirmatrelvir or ensitrelvir resistance. EBioMedicine, 2023, 91, 104559.	6.1	21
5842	Nanoplastics induce epigenetic signatures of transgenerational impairments associated with reproduction in copepods under ocean acidification. Journal of Hazardous Materials, 2023, 449, 131037.	12.4	12
5843	Stplanpy: A sustainable transportation planner for Python. SoftwareX, 2023, 22, 101339.	2.6	1

#	Article	IF	Citations
5844	GPR: A Python implementation of an extremely simple classifier based on fuzzy logic and gene expression programming. SoftwareX, 2023, 22, 101362.	2.6	1
5845	â€œBorn in Romeâ€•or â€œSleeping Beautyâ€‣ Emergence of hashtag popularity on the Chinese microblog Sina Weibo. Physica A: Statistical Mechanics and Its Applications, 2023, 619, 128724.	2.6	1
5846	A simple and fast method to downscale chemistry transport model output fields from the regional to the urban/district scale. Environmental Modelling and Software, 2023, 164, 105692.	4.5	1
5847	Estimation of the emission characteristics of solid-state incandescent light emitting devices by linear regression of spectral radiance. Solid-State Electronics, 2023, 204, 108651.	1.4	0
5848	PCovNet+: A CNN-VAE anomaly detection framework with LSTM embeddings for smartwatch-based COVID-19 detection. Engineering Applications of Artificial Intelligence, 2023, 122, 106130.	8.1	7
5849	Sudden unexpected death in epilepsy is prevented by blocking postictal hypoxia. Neuropharmacology, 2023, 231, 109513.	4.1	3
5850	Probing the randomness of the local current distributions of 316ÂL stainless steel corrosion in NaCl solution. Corrosion Science, 2023, 217, 111104.	6.6	11
5851	A locking-free discontinuous Galerkin method for linear elastic Steklov eigenvalue problem. Applied Numerical Mathematics, 2023, 188, 21-41.	2.1	1
5852	FRETâ€"Calc: A free software and web server for FÃ¶rster Resonance Energy Transfer Calculation. Computer Physics Communications, 2023, 287, 108715.	7.5	5
5853	Spinsim: A GPU optimized python package for simulating spin-half and spin-one quantum systems. Computer Physics Communications, 2023, 287, 108701.	7.5	1
5854	Photon/electron classification in liquid argon detectors by means of Soft Computing. Engineering Applications of Artificial Intelligence, 2023, 122, 106079.	8.1	0
5855	Characterization of a Vigorous sucking style in early infancy and its predictive value for weight gain and eating behaviors at 12 months. Appetite, 2023, 185, 106525.	3.7	0
5856	Battery innovation and the Circular Economy: What are patents revealing?. Renewable Energy, 2023, 209, 516-532.	8.9	4
5857	Diffusion models with time-dependent parameters: An analysis of computational effort and accuracy of different numerical methods. Journal of Mathematical Psychology, 2023, 114, 102756.	1.8	3
5858	Adversarial learning of permanent seismic deformation from GNSS coordinate timeseries. Computers and Geosciences, 2023, 175, 105344.	4.2	0
5859	Unveiling mutation effects on the structural dynamics of the main protease from SARS-CoV-2 with hybrid simulation methods. Journal of Molecular Graphics and Modelling, 2023, 121, 108443.	2.4	2
5860	Efficiently simulating Lagrangian particles in large-scale ocean flows â€" Data structures and their impact on geophysical applications. Computers and Geosciences, 2023, 175, 105322.	4.2	2
5861	Impacts of catalyst and process parameters on Ni-catalyzed methane dry reforming via interpretable machine learning. Applied Catalysis B: Environmental, 2023, 330, 122593.	20.2	7

#	Article	IF	Citations
5862	The promise of convolutional neural networks for the early diagnosis of the Alzheimer's disease. Engineering Applications of Artificial Intelligence, 2023, 123, 106254.	8.1	3
5863	NSC++: Non-standard cosmologies in C++. Computer Physics Communications, 2023, 288, 108743.	7.5	1
5864	A hybrid approach to optimization of radial inflow turbine with principal component analysis. Energy, 2023, 272, 127064.	8.8	6
5865	Pairwise learning for the partial label ranking problem. Pattern Recognition, 2023, 140, 109590.	8.1	0
5866	A conservative fourth-order real space method for the (2+1)D Dirac equation. Journal of Computational and Applied Mathematics, 2023, 428, 115149.	2.0	2
5867	Diffusion in intact secondary cell wall models of plants at different equilibrium moisture content. Cell Surface, 2023, 9, 100105.	3.0	3
5868	AlphaFlow: autonomous discovery and optimization of multi-step chemistry using a self-driven fluidic lab guided by reinforcement learning. Nature Communications, 2023, 14, .	12.8	32
5869	Barium stars as tracers of s-process nucleosynthesis in AGB stars. Astronomy and Astrophysics, 2023, 672, A143.	5.1	4
5870	Value of handcrafted and deep radiomic features towards training robust machine learning classifiers for prediction of prostate cancer disease aggressiveness. Scientific Reports, 2023, 13, .	3.3	4
5871	Wetlands Insight Tool: Characterising the Surface Water and Vegetation Cover Dynamics of Individual Wetlands Using Multidecadal Landsat Satellite Data. Wetlands, 2023, 43, .	1.5	2
5872	Novel architecture for gated recurrent unit autoencoder trained on time series from electronic health records enables detection of ICU patient subgroups. Scientific Reports, 2023, 13, .	3.3	1
5874	Apocenter pileup and arcs: A narrow dust ring around HD 129590. Astronomy and Astrophysics, 2023, 674, A84.	5.1	4
5876	Detection of Aphids on Hyperspectral Images Using One-Class SVM and Laplacian of Gaussians. Remote Sensing, 2023, 15, 2103.	4.0	0
5877	Nonintrusive heat flux quantification using acoustic emissions during pool boiling. Applied Thermal Engineering, 2023, 228, 120558.	6.0	7
5878	A decision support tool for e-waste recycling operations using the hen-and-chicks bio-inspired optimization metaheuristic. Decision Analytics Journal, 2023, 7, 100216.	4.8	3
5879	OpenDust: A fast GPU-accelerated code for the calculation of forces acting on microparticles in a plasma flow. Computer Physics Communications, 2023, 288, 108746.	7.5	2
5880	TEMGYM Advanced: Software for electron lens aberrations and parallelised electron ray tracing. Ultramicroscopy, 2023, 250, 113738.	1.9	1
5881	Bandgap energy prediction of senary zincblende III–V semiconductor compounds using machine learning. Materials Science in Semiconductor Processing, 2023, 161, 107461.	4.0	0

#	Article	IF	Citations
5882	Uncovering the mechanisms of cyclic peptide self-assembly in membranes with the chirality-aware MA(R/S)TINI forcefield. Journal of Colloid and Interface Science, 2023, 642, 84-99.	9.4	1
5886	Development and Application of a Modularised Geometry Optimiser for Future Supercritical CO_2 Turbomachinery Optimisation. , 2022, , 161-196.		0
5887	MedMNIST v2 - A large-scale lightweight benchmark for 2D and 3D biomedical image classification. Scientific Data, 2023, 10, .	5.3	83
5888	Sensitivity of halo shape measurements. Astronomy and Astrophysics, 2023, 670, A120.	5.1	1
5889	Identifying species-specific k-mers for fast and accurate metagenotyping with Maast and GT-Pro. STAR Protocols, 2023, 4, 101964.	1.2	0
5890	Simulating Counterfeit Personal Protective Equipment (PPE) Supply Chains During Covid-19. , 2022, , .		0
5891	Load-Oriented Nonplanar Additive Manufacturing Method for Optimized Continuous Carbon Fiber Parts. Materials, 2023, 16, 998.	2.9	4
5892	Massive galaxy formation caught in action at <i>z</i> â¼ 5 with JWST. Astronomy and Astrophysics, 2023, 670, L11.	5.1	7
5893	Distributed Agent-Based Simulation with Repast4Py. , 2022, , .		0
5894	TOD. Proceedings of the VLDB Endowment, 2022, 16, 546-560.	3.8	0
5895	Augmenting energy time-series for data-efficient imputation of missing values. Applied Energy, 2023, 334, 120701.	10.1	8
5896	DeepZipper. II. Searching for Lensed Supernovae in Dark Energy Survey Data with Deep Learning. Astrophysical Journal, 2023, 943, 19.	4.5	1
5897	Development of a continuous synthesis process for carbamazepine using validated in-line Raman spectroscopy and kinetic modelling for disturbance simulation. Reaction Chemistry and Engineering, 2023, 8, 1032-1042.	3.7	4
5898	Novel prediction models for hyperketonemia using bovine milk Fourier-transform infrared spectroscopy. Preventive Veterinary Medicine, 2023, 213, 105860.	1.9	3
5900	The stochastic nature of power-grid frequency in South Africa. Journal of Physics Complexity, 2023, 4, 015007.	2.2	1
5901	Measuring the variability of directly imaged exoplanets using vector Apodizing Phase Plates combined with ground-based differential spectrophotometry. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4235-4257.	4.4	2
5902	An Open Dataset for Deep Learning-based Earthquake Detection using MEMS Sensors. , 2022, , .		1
5903	Rethinking data-driven point spread function modeling with a differentiable optical model. Inverse Problems, 2023, 39, 035008.	2.0	4

#	Article	IF	Citations
5904	A monitoring framework for deployed machine learning models with supply chain examples. , 2022, , .		2
5905	Towards Cryophotonics: Experimental Characterization of SOA at Cryogenic Temperatures. IEEE Photonics Journal, 2023, 15, 1-10.	2.0	0
5906	Neutron star mass estimates from gamma-ray eclipses in spider millisecond pulsar binaries. Nature Astronomy, 2023, 7, 451-462.	10.1	11
5907	Neural-network-powered pulse reconstruction from one-dimensional interferometric correlation traces. Optics Express, 2023, 31, 11806.	3.4	3
5908	Tilted discs in six poorly studied cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3355-3367.	4.4	1
5909	Solar Wind Protons Forming Partial Ring Distributions at Comet 67P. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	1
5911	Task Fusion in Distributed Runtimes. , 2022, , .		1
5912	Conduit: A Successful Strategy for Describing and Sharing Data In Situ. , 2022, , .		2
5913	A spherical harmonics method for processing anisotropic X-ray atomic pair distribution functions. Journal of Applied Crystallography, 2023, 56, 275-281.	4.5	0
5914	On the phase transformation pathway during localized grain boundary oxidation in an Fe-10Âat% Cr alloy at 200ÂºC. Corrosion Science, 2023, 214, 111016.	6.6	2
5915	Structural analysis of water networks. Journal of Complex Networks, 2022, 11, .	1.8	2
5916	Annealing Effects of Multidirectional Oscillatory Shear in Model Glass Formers. Physical Review Applied, 2023, 19, .	3.8	0
5917	Revealing the Progenitor of SN 2021zby through Analysis of the TESS Shock-cooling Light Curve. Astrophysical Journal Letters, 2023, 943, L15.	8.3	1
5918	A Novel Approach to Clustering Accelerometer Data for Application in Passive Predictions of Changes in Depression Severity. Sensors, 2023, 23, 1585.	3.8	4
5919	Polarized Maser Emission with In-source Faraday Rotation. Astrophysical Journal, 2023, 943, 123.	4.5	1
5920	Introducing the Condor Array Telescope. I. Motivation, Configuration, and Performance. Publications of the Astronomical Society of the Pacific, 2023, 135, 015002.	3.1	5
5921	Study of Radio Transients from the Quiet Sun during an Extremely Quiet Time. Astrophysical Journal, 2023, 943, 122.	4.5	4
5922	Modeling human's collision avoidance direction in an encounter situation using an ensemble classifier. Ocean Engineering, 2023, 271, 113738.	4.3	2

#	Article	IF	Citations
5923	CAR and TCR form individual signaling synapses and do not cross-activate, however, can co-operate in T cell activation. Frontiers in Immunology, 0, 14, .	4.8	3
5924	Diverse logics and grammar encode notochord enhancers. Cell Reports, 2023, 42, 112052.	6.4	9
5925	Discovery of a red backsplash galaxy candidate near M81. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4715-4729.	4.4	6
5926	Revisiting the role of attention in the â€œweapon focus effectâ€¦ Do weapons draw gaze away from the perpetrator under naturalistic viewing conditions?. Attention, Perception, and Psychophysics, 0, , .	1.3	0
5927	A sentence is known by the company it keeps: Improving Legal Document Summarization Using Deep Clustering. Artificial Intelligence and Law, 2024, 32, 165-200.	4.0	6
5929	Applying Machine Learning to Classify the Origins of Gene Duplications. Methods in Molecular Biology, 2023, , 91-119.	0.9	2
5930	PSR J1910â€"5959A: A rare gravitational laboratory for testing white dwarf models. Astronomy and Astrophysics, 2023, 671, A72.	5.1	6
5931	Exploring enablers and barriers to implementing the Transparency and Openness Promotion Guidelines: a theory-based survey of journal editors. Royal Society Open Science, 2023, 10, .	2.4	7
5932	Laser-induced fluorescence spectroscopy for kinetic temperature measurement of xenon neutrals and ions in the discharge chamber of a radiofrequency ion source. Journal of Electric Propulsion, 2023, 2, .	2.0	3
5934	An open source Python library for environmental isotopic modelling. Scientific Reports, 2023, 13, .	3.3	0
5935	Haralick texture feature analysis for characterization of specific energy and absorbed dose distributions across cellular to patient length scales. Physics in Medicine and Biology, 2023, 68, 075006.	3.0	3
5936	MusE GAs FLOw and Wind (MEGAFLOW) IX. The impact of gas flows on the relations between the mass, star formation rate, and metallicity of galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 521, 546-557.	4.4	2
5937	Interpretable bilinear attention network with domain adaptation improves drugâ€"target prediction. Nature Machine Intelligence, 2023, 5, 126-136.	16.0	25
5938	Tidally perturbed gravity-mode pulsations in a sample of close eclipsing binaries. Astronomy and Astrophysics, 2023, 671, A121.	5.1	3
5939	Functional analysis of metalloenzymes from human gut microbiota and their role in ulcerative colitis. Journal of Applied Microbiology, 2023, 134, .	3.1	1
5940	Effects of interfacial molecular mobility on thermal boundary conductance at solidâ€"liquid interface. Journal of Chemical Physics, 2023, 158, .	3.0	1
5941	<scp>HiMAP2</scp>: Identifying phylogenetically informative genetic markers from diverse genomic resources. Molecular Ecology Resources, 2023, 23, 1155-1167.	4.8	0
5942	Recovering false negatives in CRISPR fitness screens with JLOE. Nucleic Acids Research, 2023, 51, 1637-1651.	14.5	0

#	Article	IF	Citations
5943	Integration of deep learning with Ramachandran plot molecular dynamics simulation for genetic variant classification. IScience, 2023, 26, 106122.	4.1	2
5944	Precision redshift-space galaxy power spectra using Zel'dovich control variates. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 008.	5.4	4
5945	Precision Ephemerides for Gravitational-wave Searches â€" IV. Corrected and refined ephemeris for Scorpius X-1. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5317-5330.	4.4	4
5946	Fast principal component analysis for cryo-electron microscopy images. Biological Imaging, 2023, 3, .	2.2	2
5948	The ASAS-SN bright supernova catalogue â€" V. 2018â€"2020. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4356-4369.	4.4	7
5949	Size and Spectroscopic Evolution of HectoMAP Quiescent Galaxies. Astrophysical Journal, 2023, 943, 149.	4.5	2
5950	Unified Relationship between Cold Plasma Ejections and Flare Energies Ranging from Solar Microflares to Giant Stellar Flares. Astrophysical Journal, 2023, 943, 143.	4.5	5
5951	EAGLE-like simulation models do not solve the entropy core problem in groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3164-3186.	4.4	3
5952	Characteristics of consecutive tsunamis and resulting tsunami behaviors in southern Taiwan induced by the Hengchun earthquake doublet on 26 December 2006. Natural Hazards and Earth System Sciences, 2023, 23, 447-479.	3.6	5
5953	Generalized Gibbs Ensemble of the Ablowitzâ€"Ladik Lattice, Circular $$\eta $$-Ensemble and Double Confluent Heun Equation. Communications in Mathematical Physics, 2023, 399, 1689-1729.	2.2	2
5954	In Silico Demonstration of Two-Dimensional Mass Spectrometry Using Spatially Dependent Fragmentation. Journal of the American Society for Mass Spectrometry, 2023, 34, 409-416.	2.8	0
5955	Reducing Dietary Acrylamide Exposure from Wheat Products through Crop Management and Imaging. Journal of Agricultural and Food Chemistry, 2023, 71, 3403-3413.	5.2	8
5956	Beyond UVJ: Color Selection of Galaxies in the JWST Era. Astrophysical Journal, 2023, 943, 166.	4.5	10
5957	Computer Vision for International Border Legibility. , 2023, , .		0
5958	Modelling the accretion and feedback of supermassive black hole binaries in gas-rich galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4463-4489.	4.4	9
5959	Tackling the Unique Challenges of Low-frequency Solar Polarimetry with the Square Kilometre Array Low Precursor: Pipeline Implementation. Astrophysical Journal, Supplement Series, 2023, 264, 47.	7.7	2
5960	HETDEX Public Source Catalog 1: 220 K Sources Including Over 50 K LyÎ± Emitters from an Untargeted Wide-area Spectroscopic Survey*. Astrophysical Journal, 2023, 943, 177.	4.5	12
5961	Discrepancy in Grain Size Estimation of H_2O Ice in the Outer Solar System. Research in Astronomy and Astrophysics, 2023, 23, 035015.	1.7	1

#	Article	IF	Citations
5963	HOLISMOKES. Astronomy and Astrophysics, 2023, 671, A147.	5.1	5
5964	Survey for Distant Solar Twins (SDST) â€" III. Identification of new solar twin and solar analogue stars. Monthly Notices of the Royal Astronomical Society, 2023, 521, 148-159.	4.4	1
5965	TOI-561 b: A Low-density Ultra-short-period â€œRockyâ€•Planet around a Metal-poor Star. Astronomical Journal, 2023, 165, 88.	4.7	8
5966	The ALMOND survey: molecular cloud properties and gas density tracers across 25 nearby spiral galaxies with ALMA. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3348-3383.	4.4	9
5967	Gaussian processes for glitch-robust gravitational-wave astronomy. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2983-2994.	4.4	4
5968	Understanding and predicting cadence effects in the characterization of exoplanet transits. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4103-4117.	4.4	1
5969	Radiation shielding of protoplanetary discs in young star-forming regions. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5331-5353.	4.4	7
5970	Dynamically constraining the length of the Milky way bar. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4779-4792.	4.4	8
5971	Constraints on Stellar Flare Energy Ratios in the NUV and Optical from a Multiwavelength Study of GALEX and Kepler Flare Stars. Astrophysical Journal, 2023, 944, 5.	4.5	8
5972	Quality assessment of V_H H models. Journal of Biomolecular Structure and Dynamics, 2023, 41, 13287-13301.	3.5	1
5973	Bayesian field-level inference of primordial non-Gaussianity using next-generation galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5746-5763.	4.4	6
5974	The Roasting Marshmallows Program with IGRINS on Gemini South I: Composition and Climate of the Ultrahot Jupiter WASP-18 b. Astronomical Journal, 2023, 165, 91.	4.7	13
5975	Tracing Patterns in Electrophysiological Time Series Data. , 2022, , .		1
5976	The *Planck* clusters in the LOFAR sky. Astronomy and Astrophysics, 2023, 672, A41.	5.1	10
5977	Inferring Type II-P Supernova Progenitor Masses from Plateau Luminosities. Astrophysical Journal Letters, 2023, 944, L2.	8.3	1
5979	A JWST Near- and Mid-infrared Nebular Spectrum of the Type Ia Supernova 2021aefx. Astrophysical Journal Letters, 2023, 944, L3.	8.3	12
5980	Surprises in a Classic Boundary-Layer Problem. SIAM Review, 2023, 65, 291-315.	9.5	1
5981	Precession and polar alignment of accretion discs in triple (or multiple) stellar systems. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5817-5827.	4.4	4

#	Article	IF	Citations
5982	512. The application of mixed linear models for the estimation of functional effects on bovine stature based on SNP summary. , 2022, , .		0
5983	Understanding the high-mass binary black hole population from stable mass transfer and super-Eddington accretion in <scp>bpass</scp>. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5724-5745.	4.4	17
5984	TESS Discovery of Twin Planets near 2:1 Resonance around Early M Dwarf TOI 4342. Astronomical Journal, 2023, 165, 93.	4.7	0
5985	The SPIRou legacy survey. Astronomy and Astrophysics, 2023, 672, A52.	5.1	9
5986	The Origins of Calcium-rich Supernovae From Disruptions of CO White Dwarfs by Hybrid He–CO White Dwarfs. Astrophysical Journal, 2023, 944, 22.	4.5	7
5987	GRMHD Simulations of Neutron-star Mergers with Weak Interactions: r-process Nucleosynthesis and Electromagnetic Signatures of Dynamical Ejecta. Astrophysical Journal, 2023, 944, 28.	4.5	14
5988	Two Lensed Star Candidates at $z \approx 4.8$ behind the Galaxy Cluster MACS J0647.7+7015. Astrophysical Journal Letters, 2023, 944, L6.	8.3	10
5989	First steps into the cloud: Using Amazon data storage and computing with Python notebooks. PLoS ONE, 2023, 18, e0278316.	2.5	0
5990	Uncovering dark matter density profiles in dwarf galaxies with graph neural networks. Physical Review D, 2023, 107, .	4.7	1
5991	Evidence for the Perchlorate Anion Coordination in the Structure of Uranyl Cation Complex with N,O-Donor Ligands in a Solution: RMC-EXAFS Study. Crystallography Reports, 2022, 67, 1152-1159.	0.6	1
5992	A Reanalysis of the Composition of K2-106b: An Ultra-short-period Super-Mercury Candidate. Astronomical Journal, 2023, 165, 97.	4.7	4
5993	Designing a Multi-Agent PLM System for Threaded Connections Using the Principle of Isomorphism of Regularities of Complex Systems. Machines, 2023, 11, 263.	2.2	1
5994	Untangling the Sources of Abundance Dispersion in Low-metallicity Stars. Astrophysical Journal, 2023, 944, 47.	4.5	3
5995	The <i>Hubble/</i>STIS near-ultraviolet transmission spectrum of HD 189733 b. Astronomy and Astrophysics, 2023, 671, A170.	5.1	3
5996	Do Central Compact Objects have Carbon Atmospheres?. Astrophysical Journal, 2023, 944, 36.	4.5	8
5997	Automated reactor physics analysis framework of High Flux Isotope Reactor low-enriched uranium silicide dispersion fuel designs. Nuclear Engineering and Design, 2023, 405, 112193.	1.7	0
5998	The e-TidalGCs project. Astronomy and Astrophysics, 2023, 673, A44.	5.1	6
5999	The redshift evolution of the S0 fraction for <i>z</i> &lt; 1 in COSMOS. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5885-5902.	4.4	3

#	Article	IF	Citations
6000	The hot Neptune WASP-166 b with ESPRESSO â€" III. A blue-shifted tentative water signal constrains the presence of clouds. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1233-1252.	4.4	5
6001	ewstools: A Python package for early warning signals of bifurcations in time series data. Journal of Open Source Software, 2023, 8, 5038.	4.6	2
6002	The SPHINX M-dwarf Spectral Grid. I. Benchmarking New Model Atmospheres to Derive Fundamental M-dwarf Properties. Astrophysical Journal, 2023, 944, 41.	4.5	13
6003	Dockey: a modern integrated tool for large-scale molecular docking and virtual screening. Briefings in Bioinformatics, 2023, 24, .	6.5	9
6004	Picks in the Fabric of a Polyploidy Complex: Integrative Species Delimitation in the Tetraploid Leucanthemum Mill. (Compositae, Anthemideae) Representatives. Biology, 2023, 12, 288.	2.8	3
6006	Dynamics of honey bee colony death and its implications for Varroa destructor mite transmission using observation hives. Apidologie, 2023, 54, .	2.0	0
6007	Potential of Sentinel-1 SAR to Assess Damage in Drought-Affected Temperate Deciduous Broadleaf Forests. Remote Sensing, 2023, 15, 1004.	4.0	4
6008	Impact of 16S rRNA Gene Redundancy and Primer Pair Selection on the Quantification and Classification of Oral Microbiota in Next-Generation Sequencing. Microbiology Spectrum, 2023, 11, .	3.0	0
6009	The $sl2(R)$ coalgebra symmetry and the superintegrable discrete-time systems. Physica Scripta, 2023, 98, 045209.	2.5	2
6010	Multiepoch Detections of the Extended Atmosphere and Transmission Spectra of KELT-9b with a 1.5 m Telescope. Astronomical Journal, 2023, 165, 101.	4.7	2
6011	Container Ship Fleet Route Evaluation and Similarity Measurement between Two Shipping Line Ports. Journal of Marine Science and Engineering, 2023, 11, 400.	2.6	1
6012	Accurate long-term air temperature prediction with Machine Learning models and data reduction techniques. Applied Soft Computing Journal, 2023, 136, 110118.	7.2	12
6013	Internal and External Jovian Magnetic Fields: Community Code to Serve the Magnetospheres of the Outer Planets Community. Space Science Reviews, 2023, 219, .	8.1	5
6014	Variation of butyrate production in the gut microbiome in type 2 diabetes patients. International Microbiology, 2023, 26, 601-610.	2.4	7
6015	(An)isotropy measurement with gravitational wave observations. Physical Review D, 2023, 107, .	4.7	8
6016	Mercury's Circumsolar Dust Ring as an Imprint of a Recent Impact. Planetary Science Journal, 2023, 4, 33.	3.6	1
6017	Scattered polarized radiation of extrasolar circumplanetary rings. Astronomy and Astrophysics, 2023, 671, A113.	5.1	1
6018	Accurate Prediction of Three-Body Intermolecular Interactions via Electron Deformation Density-Based Machine Learning. Journal of Chemical Theory and Computation, 2023, 19, 1466-1475.	5.3	2

#	ARTICLE	IF	CITATIONS
6019	ExoClock Project. III. 450 New Exoplanet Ephemerides from Ground and Space Observations. Astrophysical Journal, Supplement Series, 2023, 265, 4.	7.7	4
6020	Galaxy Populations in Groups and Clusters: Evidence for a Characteristic Stellar Mass Scale at M _{â—} â¼ 10^{9.5} M _{âŠ™}. Astrophysical Journal, 2023, 944, 75.	4.5	1
6021	An efficiency-driven, correlation-based feature elimination strategy for small datasets. , 2023, 1, .		2
6022	The TESS Grand Unified Hot Jupiter Survey. II. Twenty New Giant Planets*. Astrophysical Journal, Supplement Series, 2023, 265, 1.	7.7	8
6023	A Human-Machine Safety Distance Detection Method Based on Computer Vision. , 2022, , .		0
6024	Porchlight: An Accessible and Interactive Aid in Preprocessing of Spectral Data. Journal of Chemical Education, 2023, 100, 1326-1332.	2.3	4
6026	A Lack of Variability between Repeated Spitzer Phase Curves of WASP-43b. Astronomical Journal, 2023, 165, 107.	4.7	3
6027	Discovery of Dust Emission Activity Emanating from Main-belt Asteroid 2015 FW412. Research Notes of the AAS, 2023, 7, 22.	0.7	2
6028	Microglia reactivity entails microtubule remodeling from acentrosomal to centrosomal arrays. Cell Reports, 2023, 42, 112104.	6.4	11
6029	Optimizing Soil Moisture Station Networks for Future Climates. Geophysical Research Letters, 2023, 50, .	4.0	1
6030	The halo bias for number counts on the light cone from relativistic N-body simulations. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 036.	5.4	3
6031	Comparing the Locations of Supernovae to CO (2â€"1) Emission in Their Host Galaxies. Astrophysical Journal, 2023, 944, 110.	4.5	2
6032	Gaussian Process Modeling Blazar Multiwavelength Variability: Indirectly Resolving Jet Structure. Astrophysical Journal, 2023, 944, 103.	4.5	2
6033	Evaluating Awkward Arrays, uproot, and coffea as a query platform for High Energy Physics Data. Journal of Physics: Conference Series, 2023, 2438, 012033.	0.4	0
6034	Prediction of summer precipitation in North China: role of the evolution of sea surface temperature anomalies from boreal winter to spring. Journal of Climate, 2023, , 1-25.	3.2	0
6035	Spectral Changes of EEG Following a 6-Week Low-Dose Oral Ketamine Treatment in Adults With Major Depressive Disorder and Chronic Suicidality. International Journal of Neuropsychopharmacology, 2023, 26, 259-267.	2.1	3
6036	Going fast on a small-size computing cluster. Journal of Physics: Conference Series, 2023, 2438, 012042.	0.4	0
6037	Vectorised Neutrino Reconstruction by Computing Graphs. Journal of Physics: Conference Series, 2023, 2438, 012133.	0.4	0

#	ARTICLE	IF	CITATIONS
6038	Assessing Vulnerability fromÂ Its Description. Communications in Computer and Information Science, 2023, , 129-143.	0.5	0
6039	The Evolution of Intelligence: Analysis of the Journal of Intelligence and Intelligence. Journal of Intelligence, 2023, 11, 35.	2.5	0
6040	LDmat: efficiently queryable compression of linkage disequilibrium matrices. Bioinformatics, 2023, 39, .	4.1	1
6042	Diagnosing Limb Asymmetries in Hot and Ultrahot Jupiters with High-resolution Transmission Spectroscopy. Astrophysical Journal, 2023, 944, 99.	4.5	7
6043	The Gas and Stellar Content of a Metal-poor Galaxy at z = 8.496 as Revealed by JWST and ALMA. Astrophysical Journal Letters, 2023, 944, L30.	8.3	12
6044	ECETOC TRAv3: An In-depth Comparison of Publicly Available Measurement Data Sets With Modelled Estimates of Occupational Inhalation Exposure to Chemicals. Annals of Work Exposures and Health, 2023, 67, 496-507.	1.4	1
6045	Classification of Lighting Design Aspects in Relation to Employeesâ€™ Productivity in Saudi Arabia. Sustainability, 2023, 15, 3614.	3.2	2
6046	The Modulation of Anomalous and Galactic Cosmic-Ray Oxygen over Successive Solar Cycle Minima. Astrophysical Journal, 2023, 944, 114.	4.5	3
6047	Triple junction solute segregation in Al-based polycrystals. Physical Review Materials, 2023, 7, .	2.4	1
6048	PHANGSâ€“JWST First Results: A Statistical View on Bubble Evolution in NGC 628. Astrophysical Journal Letters, 2023, 944, L24.	8.3	16
6049	GAMBIT (Genomic Approximation Method for Bacterial Identification and Tracking): A methodology to rapidly leverage whole genome sequencing of bacterial isolates for clinical identification. PLoS ONE, 2023, 18, e0277575.	2.5	3
6051	PHANGSâ€“JWST First Results: Duration of the Early Phase of Massive Star Formation in NGC 628. Astrophysical Journal Letters, 2023, 944, L20.	8.3	14
6052	PHANGSâ€“JWST First Results: A Combined HST and JWST Analysis of the Nuclear Star Cluster in NGC 628. Astrophysical Journal Letters, 2023, 944, L25.	8.3	6
6053	A new versatile code for gamma-ray Monte-Carlo radiative transfer. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1277-1291.	4.4	0
6054	Jupiter radio emission probability tool. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	1
6055	Discovery of Hydrogen Radio Recombination Lines at z = 0.89 toward PKS 1830-211. Astrophysical Journal, 2023, 944, 93.	4.5	1
6056	Using Machine Learning to Determine Morphologies of z < 1 AGN Host Galaxies in the Hyper Suprime-Cam Wide Survey. Astrophysical Journal, 2023, 944, 124.	4.5	2
6057	On the Application of Bayesian Leave-one-out Cross-validation to Exoplanet Atmospheric Analysis. Astronomical Journal, 2023, 165, 112.	4.7	8

#	ARTICLE	IF	CITATIONS
6058	RC100: Rotation Curves of 100 Massive Star-forming Galaxies at z = 0.6â€"2.5 Reveal Little Dark Matter on Galactic Scales. Astrophysical Journal, 2023, 944, 78.	4.5	8
6059	PHANGSâ€"JWST First Results: Rapid Evolution of Star Formation in the Central Molecular Gas Ring of NGC 1365. Astrophysical Journal Letters, 2023, 944, L15.	8.3	13
6060	PHANGSâ€"JWST First Results: The Dust Filament Network of NGC 628 and Its Relation to Star Formation Activity. Astrophysical Journal Letters, 2023, 944, L13.	8.3	13
6061	NeuroSuites: An online platform for running neuroscience, statistical, and machine learning tools. Frontiers in Neuroinformatics, 0, 17, .	2.5	0
6062	Improved Assessment of Globularity of Protein Structures and the Ellipsoid Profile of the Biological Assemblies from the PDB. Biomolecules, 2023, 13, 385.	4.0	1
6063	Codon: A Compiler for High-Performance Pythonic Applications and DSLs. , 2023, , .		4
6064	MetaboDirect: an analytical pipeline for the processing of FT-ICR MS-based metabolomic data. Microbiome, 2023, 11, .	11.1	8
6065	An application programming interface for the widely used academic version of the UVA/Padova Type 1 Diabetes Mellitus Metabolic Simulator. , 2023, , .		0
6067	Imaging of exocomets with infrared interferometry. Astronomy and Astrophysics, 2023, 671, A114.	5.1	1
6068	Inverse molecular design and parameter optimization with HÃ¼ckel theory using automatic differentiation. Journal of Chemical Physics, 2023, 158, .	3.0	3
6069	Singular spectrum analysis of time series data from low-frequency radiometers, with an application to SITARA data. Monthly Notices of the Royal Astronomical Society, 2023, 520, 6040-6052.	4.4	0
6070	Algorithm selection for SMT. International Journal on Software Tools for Technology Transfer, 2023, 25, 219-239.	1.9	1
6072	*S*5: Probing the Milky Way and Magellanic Clouds potentials with the 6D map of the Orphanâ€"Chenab stream. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4936-4962.	4.4	17
6073	New Active Asteroid 2015 VA108: A Citizen Science Discovery. Research Notes of the AAS, 2023, 7, 27.	0.7	3
6074	Fragment-Based Approaches Identified Tecovirimat-Competitive Novel Drug Candidate for Targeting the F13 Protein of the Monkeypox Virus. Viruses, 2023, 15, 570.	3.3	11
6076	Drowsiness Transitions Detection Using a Wearable Device. Applied Sciences (Switzerland), 2023, 13, 2651.	2.5	4
6077	Circumplanetary disk ices. Astronomy and Astrophysics, 2023, 672, A142.	5.1	0
6078	An Adaptable and Unsupervised TinyML Anomaly Detection System for Extreme Industrial Environments. Sensors, 2023, 23, 2344.	3.8	14

#	Article	IF	Citations
6079	INSPIRE: INvestigating Stellar Population In RElics â€" IV. The initial mass function slope in relics. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1408-1414.	4.4	5
6080	<tt>recountmethylation</tt> enables flexible analysis of public blood DNA methylation array data. Bioinformatics Advances, 2023, 3, .	2.4	1
6081	Photon-shot-noise-limited transient absorption soft X-ray spectroscopy at the European XFEL. Journal of Synchrotron Radiation, 2023, 30, 284-300.	2.4	3
6082	Conformational Control of Fast Asparagine Deamidation in a Norovirus Capsid Protein. Biochemistry, 2023, 62, 1032-1043.	2.5	0
6083	The Art of Measuring Physical Parameters in Galaxies: A Critical Assessment of Spectral Energy Distribution Fitting Techniques. Astrophysical Journal, 2023, 944, 141.	4.5	36
6084	Bayesian estimation reveals that reproducible models in Systems Biology get more citations. Scientific Reports, 2023, 13, .	3.3	0
6085	Exploring Magnetic Loops and Serpentine Fields in the Quiet Sun with the GRIS-IFU. Astrophysical Journal, 2023, 944, 150.	4.5	1
6086	TOI-5205b: A Short-period Jovian Planet Transiting a Mid-M Dwarf. Astronomical Journal, 2023, 165, 120.	4.7	14
6087	Non-destructive classification of unlabeled cells: Combining an automated benchtop magnetic resonance scanner and artificial intelligence. PLoS Computational Biology, 2023, 19, e1010842.	3.2	0
6088	Fractal Aggregates of Submicron-sized Grains in the Young Planet-forming Disk around IM Lup. Astrophysical Journal Letters, 2023, 944, L43.	8.3	12
6089	Multimodal 3D Mouse Brain Atlas Framework with the Skull-Derived Coordinate System. Neuroinformatics, 2023, 21, 269-286.	2.8	3
6090	PyC2MC: An Open-Source Software Solution for Visualization and Treatment of High-Resolution Mass Spectrometry Data. Journal of the American Society for Mass Spectrometry, 2023, 34, 617-626.	2.8	6
6091	Seismic amplitude response to internal heterogeneity of mass-transport deposits. Solid Earth, 2023, 14, 137-151.	2.8	0
6092	MiMiCPy: An Efficient Toolkit for MiMiC-Based QM/MM Simulations. Journal of Chemical Information and Modeling, 2023, 63, 1406-1412.	5.4	2
6093	Hierarchical Bayesian method for constraining the neutron star equation of state with an ensemble of binary neutron star postmerger remnants. Physical Review D, 2023, 107, .	4.7	3
6094	A general expression for the statistical error in a diffusion coefficient obtained from a solidâ€state <scp>molecularâ€dynamics</scp> simulation. Journal of Computational Chemistry, 2023, 44, 1347-1359.	3.3	3
6095	Neural-network preconditioners for solving the Dirac equation in lattice gauge theory. Physical Review D, 2023, 107, .	4.7	2
6096	Nonlinear Effects in Black Hole Ringdown. Physical Review Letters, 2023, 130, .	7.8	35

#	Article	IF	Citations
6097	4D tomography reveals a complex relationship between wormhole advancement and permeability variation in dissolving rocks. Advances in Water Resources, 2023, 175, 104407.	3.8	4
6098	Effects of Long-Term Physical Activity and BCAA Availability on the Subcellular Associations between Intramyocellular Lipids, Perilipins and PGC-1α. International Journal of Molecular Sciences, 2023, 24, 4282.	4.1	0
6099	TOI-4562b: A Highly Eccentric Temperate Jupiter Analog Orbiting a Young Field Star. Astronomical Journal, 2023, 165, 121.	4.7	3
6100	Parla: A Python Orchestration System for Heterogeneous Architectures. , 2022, , .		1
6101	Boosting Performance Optimization with Interactive Data Movement Visualization. , 2022, , .		0
6102	Solid State Kinetics of Nitrosation Using Native Sources of Nitrite. Journal of Pharmaceutical Sciences, 2023, 112, 1324-1332.	3.3	5
6103	Constraint Energy Minimizing Generalized Multiscale Finite Element Method for Inhomogeneous Boundary Value Problems with High Contrast Coefficients. Multiscale Modeling and Simulation, 2023, 21, 194-217.	1.6	3
6104	A comparative study revealed hyperspectral imaging as a potential standardized tool for the analysis of cuticle tanning over insect development. Heliyon, 2023, 9, e13962.	3.2	1
6106	Analytical high-dimensional operators in canonical polyadic finite basis representation (CP-FBR). Journal of Chemical Physics, 2023, 158, 114109.	3.0	1
6107	The Similar Seven: A Set of Very Alike Exoplanets to Test Correlations between System Parameters and Atmospheric Properties. Astrophysical Journal Letters, 2023, 944, L56.	8.3	1
6108	Scaling Protein–Water Interactions in the Martini 3 Coarse-Grained Force Field to Simulate Transmembrane Helix Dimers in Different Lipid Environments. Journal of Chemical Theory and Computation, 2023, 19, 2109-2119.	5.3	10
6109	Abstract representations emerge naturally in neural networks trained to perform multiple tasks. Nature Communications, 2023, 14, .	12.8	14
6110	Privacy withÂGood Taste. Lecture Notes in Computer Science, 2023, , 103-119.	1.3	0
6111	The SunPy Project: An interoperable ecosystem for solar data analysis. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	3
6112	Bayesian Optimization for an ATP-Regenerating In Vitro Enzyme Cascade. Catalysts, 2023, 13, 468.	3.5	7
6113	Accelerated linear algebra compiler for computationally efficient numerical models: Success and potential area of improvement. PLoS ONE, 2023, 18, e0282265.	2.5	0
6114	The Direct Mid-infrared Detectability of Habitable-zone Exoplanets around Nearby Stars. Astronomical Journal, 2023, 165, 133.	4.7	1
6115	Early evolution and three-dimensional structure of embedded star clusters. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1338-1352.	4.4	2

#	Article	IF	Citations
6116	Elucidating reaction pathways occurring in CO_2 hydrogenation over Fe-based catalysts. Applied Catalysis B: Environmental, 2023, 328, 122505.	20.2	11
6118	Towards Maximum Throughput of Dataflow Software Pipeline under Resource Constraints. , 2023, , .		0
6119	Using Wearable Sensors to Assess Freezing of Gait in the Real World. Bioengineering, 2023, 10, 289.	3.5	1
6120	Linear viscoelastic response of the vertex model with internal and external dissipation: Normal modes analysis. Physical Review Research, 2023, 5, .	3.6	1
6121	NICMOS Kernel-phase Interferometry. II. Demographics of Nearby Brown Dwarfs. Astronomical Journal, 2023, 165, 130.	4.7	0
6122	Automatic Differentiation for Inverse Problems in X-ray Imaging and Microscopy. Life, 2023, 13, 629.	2.4	3
6123	Automated extraction of pod phenotype data from micro-computed tomography. Frontiers in Plant Science, 0, 14, .	3.6	0
6124	LabGym: Quantification of user-defined animal behaviors using learning-based holistic assessment. Cell Reports Methods, 2023, 3, 100415.	2.9	6
6125	Measuring the Obliquities of the TRAPPIST-1 Planets with MAROON-X. Astronomical Journal, 2023, 165, 129.	4.7	2
6127	Inferring More from Less: Prospector as a Photometric Redshift Engine in the Era of JWST. Astrophysical Journal Letters, 2023, 944, L58.	8.3	17
6128	ALMA confirmation of an obscured hyperluminous radio-loud AGN at <i>z</i>Â= 6.853 associated with a dusty starburst in the 1.5Âdeg2 COSMOS field. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4609-4620.	4.4	16
6129	Effect of emerging contaminants on soil microbial community composition, soil enzyme activity, and strawberry plant growth in polyethylene microplastic-containing soils. Environmental Science Advances, 2023, 2, 629-644.	2.7	0
6130	Energy generation forecasting: elevating performance with machine and deep learning. Computing (Vienna/New York), 2023, 105, 1623-1645.	4.8	8
6131	Towards fast surrogate models for interpolation of tokamak edge plasmas. Nuclear Materials and Energy, 2023, 34, 101396.	1.3	2
6132	Source Characterization of the Declared North Korean Nuclear Tests From Regional Distance Coda Wave Spectral Ratios. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	1
6133	Sensitivity considerations on denoising series of spectra by singular value decomposition. Magnetic Resonance in Chemistry, 2023, 61, 373-379.	1.9	1
6134	Benchmarking and Validation of a Bioinformatics Workflow for Meat Species Identification Using 16S rDNA Metabarcoding. Foods, 2023, 12, 968.	4.3	0
6135	A Study of Disease Diagnosis Using Machine Learning. , 0, , .		3

#	Article	IF	Citations
6136	Consistency of Type IIP supernova sibling distances. Astronomy and Astrophysics, 2023, 672, A129.	5.1	2
6137	The SNAD Viewer: Everything You Want to Know about Your Favorite ZTF Object. Publications of the Astronomical Society of the Pacific, 2023, 135, 024503.	3.1	4
6139	A Guide to Computational Reproducibility in Signal Processing and Machine Learning [Tips & Tricks]. IEEE Signal Processing Magazine, 2023, 40, 141-151.	5.6	0
6140	Impact of the finite life-time of UHECR sources. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 053.	5.4	0
6142	On the iterative diagonalization of matrices in quantum chemistry: Reconciling preconditioner design with Brillouinâ€"Wigner perturbation theory. Journal of Chemical Physics, 2023, 158, 134107.	3.0	1
6143	<i>Leishmania</i> allelic selection during experimental sand fly infection correlates with mutational signatures of oxidative DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	0
6144	Multiproxy Reconstructions of Integral Energy Spectra for Extreme Solar Particle Events of 7176 BCE, 660 BCE, 775 CE, and 994 CE. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	5
6145	cfSNV: a software tool for the sensitive detection of somatic mutations from cell-free DNA. Nature Protocols, 2023, 18, 1563-1583.	12.0	3
6146	General Trends of the Camelidae Antibody VHHs Domain Dynamics. International Journal of Molecular Sciences, 2023, 24, 4511.	4.1	1
6147	Identification of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi></mml:math> jets using QCD-inspired observables. Physical Review D, 2023, 107, .	4.7	6
6148	Strong decay widths and mass spectra of charmed baryons. Physical Review D, 2023, 107, .	4.7	7
6149	Wakeflow: A Python package for semi-analytic models of planetary wakes. Journal of Open Source Software, 2023, 8, 4863.	4.6	0
6150	Multiple Shock Fronts in RBS 797: The Chandra Window on Shock Heating in Galaxy Clusters. Astrophysical Journal, 2023, 944, 216.	4.5	5
6151	<i>CrystalMELA</i>: a new crystallographic machine learning platform for crystal system determination. Journal of Applied Crystallography, 2023, 56, 409-419.	4.5	2
6152	Probing neutrino interactions and dark radiation with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 064.	5.4	8
6153	Motor Overflow during Reaching in Infancy: Quantification of Limb Movement Using Inertial Motion Units. Sensors, 2023, 23, 2653.	3.8	0
6154	Effect of Cholesterol on the Structure and Composition of Glyco-DIBMA Lipid Particles. Langmuir, 2023, 39, 3569-3579.	3.5	2
6156	A Broad-line Quasar with Unexplained Extreme Velocity Offsets: Post-shock Outflow?. Astrophysical Journal, 2023, 944, 217.	4.5	2

#	ARTICLE	IF	CITATIONS
6157	On the observability of recurrent nova super-remnants. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3004-3022.	4.4	5
6158	Search for subsolar-mass black hole binaries in the second part of Advanced LIGOâ€™s and Advanced Virgoâ€™s third observing run. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5984-5992.	4.4	2
6159	CO Excitation in High-z Main-sequence Analogues: Resolved CO(4â•3)/CO(3â•2) Line Ratios in DYNAMO Galaxies. Astrophysical Journal, 2023, 945, 9.	4.5	1
6160	Uppermost Mantle Seismic <i>Pn</i>â€‰Velocity in Continental China and Its Tectonic Implications. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	1
6161	Emissions and fate of organophosphate esters in outdoor urban environments. Nature Communications, 2023, 14, .	12.8	9
6162	Changes in the Properties of Hazelnut Shells Due to Conduction Drying. Agriculture (Switzerland), 2023, 13, 589.	3.1	1
6163	A population genetics theory for piRNA-regulated transposable elements. Theoretical Population Biology, 2023, 150, 1-13.	1.1	1
6164	COSMOS2020: Discovery of a Protocluster of Massive Quiescent Galaxies at z = 2.77. Astrophysical Journal Letters, 2023, 945, L9.	8.3	8
6165	Conformational and oligomeric states of SPOP from small-angle X-ray scattering and molecular dynamics simulations. ELife, 0, 12, .	6.0	2
6166	CLASS Survey Description: Coronal-line Needles in the SDSS Haystack. Astrophysical Journal, Supplement Series, 2023, 265, 21.	7.7	3
6167	Invoking self-related and social thoughts impacts online information sharing. Social Cognitive and Affective Neuroscience, 2023, 18, .	3.0	4
6168	Dual Identity in Repressive Contexts: An Agent-Based Model of Protest Dynamics. Social Science Computer Review, 2023, 41, 2249-2273.	4.2	2
6169	Hazard-informed optimization of seismic networks for earthquake early warningâ€"the case of the Lower Rhine Embayment (western Germany). Journal of Seismology, 2023, 27, 261-277.	1.3	2
6170	A Geo-Data Science Method for Assessing Unconventional Rare-Earth Element Resources in Sedimentary Systems. Natural Resources Research, 2023, 32, 855-878.	4.7	3
6171	Quantum Alchemy Based Bonding Trends and Their Link to Hammettâ€™s Equation and Paulingâ€™s Electronegativity Model. Journal of the American Chemical Society, 2023, 145, 5899-5908.	13.7	2
6172	Numerical Computation of Critical Surfaces for the Breakup of Invariant Tori in Hamiltonian Systems. SIAM Journal on Applied Dynamical Systems, 2023, 22, 483-500.	1.6	0
6173	Toward UWB Impulse Radio Sensing: Fundamentals, Potentials, and Challenges. , 0, , .		1
6174	Democratizing Deep Learning Applications in Earth and Climate Sciences on the Web: EarthAIHub. Applied Sciences (Switzerland), 2023, 13, 3185.	2.5	1

#	Article	IF	Citations
6175	Verifying Feedforward Neural Networks forÂClassification inÂIsabelle/HOL. Lecture Notes in Computer Science, 2023, , 427-444.	1.3	2
6176	Predicting Renewable Curtailment in Distribution Grids Using Neural Networks. IEEE Access, 2023, 11, 20319-20336.	4.2	3
6177	A Dynamical Systems Approach to the Theory of Circumbinary Orbits in the Circular Restricted Problem. Astronomical Journal, 2023, 165, 140.	4.7	5
6178	Iodide uptake by forest soils is principally related to the activity of extracellular oxidases. Frontiers in Chemistry, 0, 11, .	3.6	1
6179	A Semantic Segmentation Framework for Hyperspectral Imagery Based on Tucker Decomposition and 3DCNN Tested with Simulated Noisy Scenarios. Remote Sensing, 2023, 15, 1399.	4.0	2
6180	PROT-ON: A structure-based detection of designer PROTein interface MutatiONs. Frontiers in Molecular Biosciences, 0, 10, .	3.5	1
6181	NLO oriented event-shape distributions for massive quarks. Journal of High Energy Physics, 2023, 2023, .	4.7	0
6182	Computational Procedure for Analysis of Crystallites in Polycrystalline Solids of Quasilinear Molecules. Molecules, 2023, 28, 2327.	3.8	1
6183	Intraoperative Hypotension Is Associated with Postoperative Nausea and Vomiting in the PACU: A Retrospective Database Analysis. Journal of Clinical Medicine, 2023, 12, 2009.	2.4	6
6184	TempNet â€" temporal super-resolution of radar rainfall products with residual CNNs. Journal of Hydroinformatics, 2023, 25, 552-566.	2.4	6
6185	Atomistic origins of biomass recalcitrance in organosolv pretreatment. Chemical Engineering Science, 2023, 272, 118587.	3.8	2
6187	Clustering of serum biomarkers involved in post-aneurysmal subarachnoid hemorrhage (aSAH) complications. Neurosurgical Review, 2023, 46, .	2.4	0
6188	PoCA: a software platform for point cloud data visualization and quantification. Nature Methods, 2023, 20, 629-630.	19.0	7
6189	Machine learning identifies straightforward early warning rules for human Puumala hantavirus outbreaks. Scientific Reports, 2023, 13, .	3.3	0
6190	Three-Dimensional Reconstruction of Coronal Features: A Python Tool for Geometric Triangulation. Solar Physics, 2023, 298, .	2.5	2
6192	Variable microtubule architecture in the malaria parasite. Nature Communications, 2023, 14, .	12.8	12
6193	Evidence of an age gradient along the line of sight in the nuclear stellar disc of the Milky Way. Astronomy and Astrophysics, 2023, 671, L10.	5.1	3
6194	Non-linear black hole dynamics and Carrollian fluids. Journal of High Energy Physics, 2023, 2023, .	4.7	8

#	ARTICLE	IF	CITATIONS
6196	Accounting for differential rotation in calculations of the Sun's angular momentum-loss rate. Astronomy and Astrophysics, 2023, 674, A42.	5.1	4
6197	Neural network based formation of cognitive maps of semantic spaces and the putative emergence of abstract concepts. Scientific Reports, 2023, 13, .	3.3	6
6198	An observationally derived kick distribution for neutron stars in binary systems. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2504-2524.	4.4	3
6200	Adapting Data-Driven Techniques to Improve Surrogate Machine Learning Model Performance. IEEE Access, 2023, 11, 23909-23925.	4.2	1
6201	Optimización de un sistema difuso para la detección automática de tránsitos planetarios en curvas de luz de estrellas individuales. Ciencia En Desarrollo, 2022, 1, 19-35.	0.1	0
6202	LOTUS: A (Non-) LTE Optimization Tool for Uniform Derivation of Stellar Atmospheric Parameters. Astronomical Journal, 2023, 165, 145.	4.7	0
6203	A Semiblind PCA-based Foreground Subtraction Method for 21 cm Intensity Mapping. Astrophysical Journal, 2023, 945, 38.	4.5	3
6204	Truncated atomic plane wave method for subband structure calculations of moiré systems. Physical Review B, 2023, 107, .	3.2	2
6205	A Machine Learning Prediction Model for Immediate Graft Function After Deceased Donor Kidney Transplantation. Transplantation, 2023, 107, 1380-1389.	1.0	3
6206	Convective blueshift strengths for 242 evolved stars. Astronomy and Astrophysics, 2023, 673, A43.	5.1	1
6207	Characterization of the Aroma Profile of Food Smoke at Controllable Pyrolysis Temperatures. Separations, 2023, 10, 176.	2.4	3
6208	A Tri-Model Prediction Approach for COVID-19 ICU Bed Occupancy: A Case Study. Algorithms, 2023, 16, 140.	2.1	2
6209	The research of a novel WOG-YOLO algorithm for autonomous driving object detection. Scientific Reports, 2023, 13, .	3.3	6
6210	Does the HCN/CO Ratio Trace the Star-forming Fraction of Gas? I. A Comparison with Analytical Models of Star Formation. Astrophysical Journal, 2023, 945, 42.	4.5	1
6211	Benefits of fully focused SAR altimetry to coastal wave height estimates: A case study in the North Sea. Remote Sensing of Environment, 2023, 289, 113517.	11.0	4
6213	A study of indirect action's impact on simulated neutron-induced DNA damage. Physics in Medicine and Biology, 2023, 68, 075014.	3.0	1
6214	The XQR-30 metal absorber catalogue: 778 absorption systems spanning $2 \lesssim z \lesssim 6.5$. Monthly Notices of the Royal Astronomical Society, 2023, 521, 289-313.	4.4	10
6215	Activation mechanism of the human Smoothened receptor. Biophysical Journal, 2023, 122, 1400-1413.	0.5	6

#	Article	IF	Citations
6216	Mouse spontaneous behavior reflects individual variation rather than estrous state. Current Biology, 2023, 33, 1358-1364.e4.	3.9	52
6217	Microwave assisted synthesis of bismuth titanate nanosheets and its photocatalytic effects. , 0, 5, e26.		0
6218	The use of novel electronic nose technology to locate missing persons for criminal investigations. IScience, 2023, 26, 106353.	4.1	3
6219	SynapseCLR: Uncovering features of synapses in primary visual cortex through contrastive representation learning. Patterns, 2023, 4, 100693.	5.9	1
6220	Statistical analysis of the total magnetic flux decay rate in solar active regions. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2187-2195.	4.4	2
6221	Flares, Rotation, Activity Cycles, and a Magnetic Star–Planet Interaction Hypothesis for the Far-ultraviolet Emission of GJ 436. Astronomical Journal, 2023, 165, 146.	4.7	5
6222	Examining the decline in the Câ€‰<scp>iv</scp> content of the Universe over 4.3â€‰â‰²â€‰<i>zâ€‰â‰²â€‰</i>â‰²â€‰6.3 using E-XQR-30 sample. Monthly Notices of the Royal Astronomical Society, 2023, 521, 314-331.	4.4	5
6223	Probing Lorentz-violating electrodynamics with CMB polarization. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 018.	5.4	4
6224	Cellular and environmental dynamics influence species-specific extents of organelle gene retention. Proceedings of the Royal Society B: Biological Sciences, 2023, 290, .	2.6	1
6225	Prototype global analysis of LISA data with multiple source types. Physical Review D, 2023, 107, .	4.7	26
6229	Deep learning models for generation of precipitation maps based on numerical weather prediction. Geoscientific Model Development, 2023, 16, 1467-1480.	3.6	3
6230	Dissolving Constraints for Riemannian Optimization. Mathematics of Operations Research, 2024, 49, 366-397.	1.3	1
6231	EDEN Survey: Small Transiting Planet Detection Limits and Constraints on the Occurrence Rates of Planets around Late-M Dwarfs within 15 pc. Astronomical Journal, 2023, 165, 149.	4.7	4
6232	The Pan-STARRS1 z > 5.6 Quasar Survey. II. Discovery of 55 Quasars at 5.6 < z < 6.5. Astrophysical Journal, Supplement Series, 2023, 265, 29.	7.7	11
6233	An APEX Study of Molecular Outflows in FUor-type Stars. Astrophysical Journal, 2023, 945, 80.	4.5	5
6235	New insights into the rotational evolution of near-solar age stars from the open cluster M 67. Astronomy and Astrophysics, 2023, 672, A159.	5.1	3
6236	X-ray Time Lag Evaluation of MAXI J1820+070 with a Differential Cross-correlation Analysis. Astrophysical Journal, 2023, 945, 92.	4.5	0
6237	SViMULATE: a computer program facilitating interactive, multi-mode simulation of analytical ultracentrifugation data. European Biophysics Journal, 2023, 52, 293-302.	2.2	4

#	ARTICLE	IF	CITATIONS
6238	A crowdsourcing database for the copy-number variation of the Spanish population. Human Genomics, 2023, 17, .	2.9	2
6239	OpenMSIStream: A Python package for facilitating integration of streaming data in diverse laboratory environments. Journal of Open Source Software, 2023, 8, 4896.	4.6	0
6242	Confusion noise from Galactic binaries for Taiji. Physical Review D, 2023, 107, .	4.7	5
6243	Evaluation and Validation of Microscale Atmospheric Modeling With Offline Weather Research and Forecasting Model to Parallelized Large-Eddy Simulation Model Forcing Conditions. ASME Journal of Engineering for Sustainable Buildings and Cities, 2023, 4, .	0.9	0
6245	Detecting and characterizing pulsar haloes with the Cherenkov telescope array. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3793-3809.	4.4	0
6246	Observational Characterization of Main-belt Comet and Candidate Main-belt Comet Nuclei. Planetary Science Journal, 2023, 4, 43.	3.6	3
6247	<i>NetPlotBrain</i>: A Python package for visualizing networks and brains. Network Neuroscience, 0, , 1-17.	2.6	0
6248	Simulation of Neighborhoodâ€Scale Air Quality With Twoâ€Way Coupled WRFâ€CMAQ Over Southern Lake Michiganâ€Chicago Region. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	5
6249	Topology of reionisation times: Concepts, measurements, and comparisons to Gaussian random field predictions. Astronomy and Astrophysics, 2023, 672, A184.	5.1	1
6250	NIMPHS: Numerous Instruments to Manipulate and Post-process Hydraulic Simulations. Journal of Open Source Software, 2023, 8, 4868.	4.6	0
6252	SwarmFACE: A Python package for field-aligned currents exploration with Swarm. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	1
6253	Bayesian MRI reconstruction with joint uncertainty estimation using diffusion models. Magnetic Resonance in Medicine, 2023, 90, 295-311.	3.0	7
6254	Circumstellar Medium Interaction in SN 2018lab, A Low-luminosity Type IIP Supernova Observed with TESS. Astrophysical Journal, 2023, 945, 107.	4.5	8
6256	Performance and Agreement When Annotating Chest X-ray Text Reportsâ€"A Preliminary Step in the Development of a Deep Learning-Based Prioritization and Detection System. Diagnostics, 2023, 13, 1070.	2.6	0
6257	Examining the Rotation Period Distribution of the 40 Myr Tucanaâ€"Horologium Association with TESS. Astrophysical Journal, 2023, 945, 114.	4.5	1
6258	A NOEMA Molecular Line Scan of the Hubble Deep Field North: Improved Constraints on the CO Luminosity Functions and Cosmic Density of Molecular Gas. Astrophysical Journal, 2023, 945, 111.	4.5	7
6259	First Observations of the Brown Dwarf HD 19467 B with JWST. Astrophysical Journal, 2023, 945, 126.	4.5	4
6261	Yapay Ã–ÄŸrenme ile FarklÄ± AkÄ±llÄ± UlaÅŸÄ±m SenaryolarÄ± AltÄ±nda AraÃ§tan Her Åžeye HaberleÅŸme StandardÄ± SeÃ§imi. Journal of Intelligent Systems Theory and Applications, 2023, 6, 67-74.	0.6	0

#	ARTICLE	IF	CITATIONS
6262	Spatiotemporal variations in meteorological influences on ambient ozone in China: A machine learning approach. Atmospheric Pollution Research, 2023, 14, 101720.	3.8	7
6263	Characterization of a Set of Small Planets with TESS and CHEOPS and an Analysis of Photometric Performance. Astronomical Journal, 2023, 165, 134.	4.7	2
6264	JWST Low-resolution MIRI Spectral Observations of SN 2021aefx: High-density Burning in a Type Ia Supernova. Astrophysical Journal Letters, 2023, 945, L2.	8.3	10
6265	Planet engulfment detections are rare according to observations and stellar modelling. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2969-2987.	4.4	9
6266	First search for ultralight dark matter with a space-based gravitational-wave antenna: <i>LISA Pathfinder</i>. Physical Review D, 2023, 107, .	4.7	4
6267	Resolving the Bow Shock and Tail of the Cannonball Pulsar PSR J0002+6216. Astrophysical Journal, 2023, 945, 129.	4.5	4
6268	Improved Constraints on the 21 cm EoR Power Spectrum and the X-Ray Heating of the IGM with HERA Phase I Observations. Astrophysical Journal, 2023, 945, 124.	4.5	29
6270	Resolving the Emission Regions of the Crab Pulsarâ€™s Giant Pulses. II. Evidence for Relativistic Motion. Astrophysical Journal, 2023, 945, 115.	4.5	8
6271	Phantom Car Attack Detection via Passive Opportunistic RF Localization. IEEE Access, 2023, 11, 27676-27692.	4.2	0
6272	Application of Deep Reinforcement Learning to Major Solar Flare Forecasting. Astrophysical Journal, Supplement Series, 2023, 265, 34.	7.7	1
6273	Depression core network-based individualized targeting for transcranial magnetic stimulation. Brain Stimulation, 2023, 16, 619-627.	1.6	1
6274	A Machine-Learning-Based Approach for Predicting Mechanical Performance of Semi-Porous Hip Stems. Journal of Functional Biomaterials, 2023, 14, 156.	4.4	3
6275	AI-based analysis of extremely low-resolved spectrogram fingerprints for the calculation of surface profiles in low-coherence interferometry. , 2023, , .		0
6276	Performance Evaluation of MEMS-Based Automotive LiDAR Sensor and Its Simulation Model as per ASTM E3125-17 Standard. Sensors, 2023, 23, 3113.	3.8	3
6277	The Calar Alto CAFOS direct imaging first data release. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3127-3149.	4.4	0
6278	Differential effects of emotional valence on mnemonic performance with greater hippocampal maturity. Learning and Memory, 2023, 30, 55-62.	1.3	0
6279	Modular, multispectral infrared imaging system for reflection and transmission measurements. , 2023, , .		0
6280	Spectroscopic Time Series Performance of the Mid-infrared Instrument on the JWST. Publications of the Astronomical Society of the Pacific, 2023, 135, 038002.	3.1	9

#	Article	IF	Citations
6282	Image processing as basis for chemometrics in photothermal atomic force microscopy infrared imaging. , 2023, , .		1
6284	Real-time holographic 3D beam manipulation for ultrashort pulse laser processing. , 2023, , .		0
6286	Dynamic defenses and the transferability of adversarial examples. , 2022, , .		0
6287	Detecting Scene Text with Principal Component Analysis Enhanced Image Gradient Auto Encoding. , 2022, , .		0
6288	eChem: A Notebook Exploration of Quantum Chemistry. Journal of Chemical Education, 2023, 100, 1664-1671.	2.3	5
6289	A point field driven approach to process metrics based on laser powder bed fusion additive manufacturing models and in situ process monitoring. Journal of Materials Research, 2023, 38, 1866-1881.	2.6	0
6290	Reactive Bimetallic Nanostructures Based on Triply Periodic Minimal Surfaces: A Molecular Dynamics Study toward the Limits of Performance. ACS Applied Materials & Interfaces, 2023, 15, 21364-21374.	8.0	2
6291	Close contact restriction periods for patients who have received iodine-131 therapy for differentiated thyroid cancer. Journal of Radiological Protection, 2023, 43, 021501.	1.1	0
6292	Dynamic CD8+ TÂcell responses to cancer immunotherapy in human regional lymph nodes are disrupted in metastatic lymph nodes. Cell, 2023, 186, 1127-1143.e18.	28.9	71
6293	Evidence for Black Holes in Green Peas from WISE Colors and Variability. Astrophysical Journal, 2023, 945, 157.	4.5	2
6294	Multiple linear regression analysis of cancer treatment effectiveness at the level of constituent entities in the Russian Federation. Medical Technologies Assessment and Choice (ÐœÐµÐ Ð¸Ñ†Ð¸Ð½ÑÐºÐ¸Ðµ Ñ‚ÐµÑ…Ð½Ð¾Ð»Ð¾Ð³-	0.4	0
6295	adrt: approximate discrete Radon transform for Python. Journal of Open Source Software, 2023, 8, 5083.	4.6	0
6296	Extinction towards the cluster R136 in the Large Magellanic Cloud. An extinction law from the near-infrared to the ultraviolet. Astronomy and Astrophysics, 0, , .	5.1	2
6297	The MUSE Ultra Deep Field (MUDF). III. Hubble Space Telescope WFC3 Grism Spectroscopy and Imaging. Astrophysical Journal, Supplement Series, 2023, 265, 40.	7.7	4
6298	Towards a scalable discrete quantum generative adversarial neural network. Quantum Science and Technology, 2023, 8, 035002.	5.8	0
6299	Hi-COLA: fast, approximate simulations of structure formation in Horndeski gravity. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 040.	5.4	4
6300	<tt>PyQMC</tt>: An all-Python real-space quantum Monte Carlo module in <tt>PySCF</tt>. Journal of Chemical Physics, 2023, 158, .	3.0	3
6301	Improved mixed dark matter halo model for ultralight axions. Physical Review D, 2023, 107, .	4.7	5

#	Article	IF	Citations
6302	Can we observe the ion-neutral drift velocity in prestellar cores?. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5087-5099.	4.4	2
6303	Perceval: A Software Platform for Discrete Variable Photonic Quantum Computing. Quantum - the Open Journal for Quantum Science, 0, 7, 931.	0.0	9
6304	GPU-based framework for detecting small Solar system bodies in targeted exoplanet surveys. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4568-4578.	4.4	1
6306	Robust classification using average correlations as features (ACF). BMC Bioinformatics, 2023, 24, .	2.6	1
6307	When action is not least for systems with action-dependent Lagrangians. Journal of Mathematical Physics, 2023, 64, 032901.	1.1	1
6308	Robust neural network-enhanced estimation of local primordial non-Gaussianity. Physical Review D, 2023, 107, .	4.7	3
6309	Data Combination: Interferometry and Single-dish Imaging in Radio Astronomy. Publications of the Astronomical Society of the Pacific, 2023, 135, 034501.	3.1	3
6310	The Messy Nature of Fiber Spectra: Star–Quasar Pairs Masquerading as Dual Type 1 AGNs. Astrophysical Journal, 2023, 945, 167.	4.5	1
6311	Computational Exploration of Bio-Degradation Patterns of Various Plastic Types. Polymers, 2023, 15, 1540.	4.5	5
6312	SRG/eROSITA Survey in the Lockman Hole: Classification of X-ray Sources. Astronomy Letters, 2022, 48, 755-766.	1.0	1
6313	HOLISMOKES. Astronomy and Astrophysics, 2023, 673, A33.	5.1	2
6314	The Breakthrough Listen Search for Intelligent Life: Nearby Stars' Close Encounters with the Brightest Earth Transmissions. Publications of the Astronomical Society of the Pacific, 2023, 135, 034201.	3.1	1
6315	GPU performance analysis for viscoacoustic wave equations using fast stencil computation from the symbolic specification. Journal of Supercomputing, 0, , .	3.6	0
6318	Role of genome topology in the stability of viral capsids. Physical Review Research, 2023, 5, .	3.6	1
6319	Structural Dynamics of Lys11-Selective Deubiquitinylase Cezanne-1 during the Catalytic Cycle. Journal of Chemical Information and Modeling, 2023, 63, 2084-2094.	5.4	0
6320	Two new white dwarfs with variable magnetic Balmer emission lines. Monthly Notices of the Royal Astronomical Society, 2023, 522, 693-699.	4.4	4
6321	High-resolution Transmission Spectroscopy of the Terrestrial Exoplanet GJ 486b. Astronomical Journal, 2023, 165, 170.	4.7	3
6322	The Demographics of Terrestrial Planets in the Venus Zone. Astronomical Journal, 2023, 165, 168.	4.7	7

#	Article	IF	Citations
6323	Alfvénic waves in the inhomogeneous solar atmosphere. Reviews of Modern Plasma Physics, 2023, 7, .	4.1	8
6324	Analysis of Python Libraries for Artificial Intelligence. Lecture Notes in Networks and Systems, 2023, , 157-177.	0.7	1
6325	Improvement of multi-task learning by data enrichment: application for drug discovery. Journal of Computer-Aided Molecular Design, 2023, 37, 183-200.	2.9	3
6326	Systems-level transcriptional regulation of <i>Caenorhabditis elegans</i> metabolism. Molecular Systems Biology, 0, , .	7.2	8
6327	Three-dimensional Global Simulations of Type-II Planet–Disk Interaction with a Magnetized Disk Wind. I. Magnetic Flux Concentration and Gap Properties. Astrophysical Journal, 2023, 946, 5.	4.5	10
6328	Understanding the hydrological response of a headwater-dominated catchment by analysis of distributed surface–subsurface interactions. Scientific Reports, 2023, 13, .	3.3	0
6329	Human scent signature on cartridge case survives gun being fired: A preliminary study on a potential of scent residues as an identification tool. PLoS ONE, 2023, 18, e0283259.	2.5	0
6330	HIP 67506 C: MagAO-X confirmation of a new low-mass stellar companion to HIP 67506 A. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4775-4784.	4.4	0
6331	Unsupervised Time-Series Clustering of Left Atrial Strain for Cardiovascular Risk Assessment. Journal of the American Society of Echocardiography, 2023, 36, 778-787.	2.8	3
6332	Cover Your Basis: Comprehensive Data-driven Characterization of the Binary Black Hole Population. Astrophysical Journal, 2023, 946, 16.	4.5	21
6334	A Systematic View of Ten New Black Hole Spins. Astrophysical Journal, 2023, 946, 19.	4.5	12
6335	The Effect of C60 and Pentacene Adsorbates on the Electrical Properties of CVD Graphene on SiO2. Nanomaterials, 2023, 13, 1134.	4.1	2
6336	Why and when to expect Gaussian error distributions in epoch of reionization 21-cm power spectrum measurements. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5191-5206.	4.4	2
6337	Stickiness and recurrence plots: An entropy-based approach. Chaos, 2023, 33, .	2.5	3
6338	New Recurrently Active Main-belt Comet 2010 LH15. Research Notes of the AAS, 2023, 7, 60.	0.7	3
6339	SuperConga: An open-source framework for mesoscopic superconductivity. Applied Physics Reviews, 2023, 10, 011317.	11.3	3
6341	Path separation of dissipation-corrected targeted molecular dynamics simulations of protein–ligand unbinding. Journal of Chemical Physics, 2023, 158, .	3.0	5
6342	Estimating the Oblateness of Dark Matter Halos Using Neutral Hydrogen Velocity Dispersion. Astrophysical Journal Letters, 2023, 946, L8.	8.3	0

#	ARTICLE	IF	CITATIONS
6343	RadWet: An Improved and Transferable Mapping of Open Water and Inundated Vegetation Using Sentinel-1. Remote Sensing, 2023, 15, 1705.	4.0	2
6344	Machine Learning Detects Multiplicity of the First Stars in Stellar Archaeology Data. Astrophysical Journal, 2023, 946, 20.	4.5	3
6345	Stellar associations powering Hâ€‰<scp>ii</scp>â€‰regions â€" I. Defining an evolutionary sequence. Monthly Notices of the Royal Astronomical Society, 2023, 522, 2369-2383.	4.4	5
6346	Flashlights: an off-caustic lensed star at redshift <i>z</i> = 1.26 in Abell 370. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5224-5231.	4.4	4
6347	Automatic line selection for abundance determinations in large stellar spectroscopic surveys. Astronomy and Astrophysics, 2023, 674, A104.	5.1	1
6348	Timing Performance Benchmarking of Out-of-Distribution Detection Algorithms. Journal of Signal Processing Systems, 2023, 95, 1355-1370.	2.1	2
6349	An Integrative Biology Approach to Quantify the Biodistribution of Azidohomoalanine In Vivo. Cellular and Molecular Bioengineering, 2023, 16, 99-115.	2.1	0
6350	Antigen discrimination by T cells relies on size-constrained microvillar contact. Nature Communications, 2023, 14, .	12.8	9
6351	Hydrodynamic Simulations of a Relativistic Jet Interacting with the Intracluster Medium: Application to Cygnus A. Galaxies, 2023, 11, 51.	3.0	0
6352	<scp>TopIso3D</scp> <i>Viewer</i>: Enhancing Topological Analysis through 3D Isosurfaces. Journal of Chemical Information and Modeling, 2023, 63, 1999-2013.	5.4	2
6353	Morphological asymmetries of quasar host galaxies with Subaru Hyper Suprime-Cam. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5272-5297.	4.4	5
6354	The Local Groupâ€™s mass: probably no more than the sum of its parts. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4863-4877.	4.4	2
6355	Collisional evolution of dust and water ice in protoplanetary discs during and after an accretion outburst. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5826-5845.	4.4	3
6356	Active Learning with Combinatorial Coverage. , 2022, , .		1
6357	Active Sensing in Bees Through Antennal Movements Is Independent of Odor Molecule. Integrative and Comparative Biology, 2023, 63, 315-331.	2.0	3
6359	A High-precision Survey of the D/H Ratio in the Nearby Interstellar Medium. Astrophysical Journal, 2023, 946, 34.	4.5	2
6360	Analytical weak-lensing shear responses of galaxy properties and galaxy detection. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4904-4926.	4.4	6
6361	Mortalidad por neumonÃa en Colombia 2010 â€" 2019: anÃ¡lisis y predicciÃ³n con series de tiempo. Innovaciencia, 2022, 10, 1-15.	0.0	0

#	ARTICLE	IF	CITATIONS
6362	Searching for Supernovae in HETDEX Data Release 3*. Astrophysical Journal, 2023, 946, 31.	4.5	0
6364	Improving the open cluster census. Astronomy and Astrophysics, 2023, 673, A114.	5.1	29
6365	Impact of Rubin Observatory Cadence Choices on Supernovae Photometric Classification. Astrophysical Journal, Supplement Series, 2023, 265, 43.	7.7	0
6366	Outflows driven by direct and reprocessed radiation pressure in massive star clusters. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5160-5176.	4.4	4
6367	A Rapid Review on the Use of Free and Open Source Technologies and Software Applied to Precision Agriculture Practices. Journal of Sensor and Actuator Networks, 2023, 12, 28.	3.9	1
6369	Detecting non-Gaussian gravitational wave backgrounds: A unified framework. Physical Review D, 2023, 107, .	4.7	5
6370	Large-scale patterns of number use in spoken and written English. Corpus Linguistics and Linguistic Theory, 2024, 20, 123-152.	0.9	2
6372	Dynamic Environmental Conditions Affect the Composition of a Model Prebiotic Reaction Network. Journal of the American Chemical Society, 2023, 145, 7559-7568.	13.7	10
6373	Comprehensive comparison between the lattice Boltzmann and Navier–Stokes methods for aerodynamic and aeroacoustic applications. Computers and Fluids, 2023, 257, 105881.	2.5	8
6374	Measuring the Quantum State of Dark Matter. Annalen Der Physik, 2024, 536, .	2.4	0
6376	A neural network-based PDE solving algorithm with high precision. Scientific Reports, 2023, 13, .	3.3	4
6377	Resonance characteristics and impact of the 2006 Pingtung tsunami in southern Taiwan. Geoscience Letters, 2023, 10, .	3.3	5
6378	Thermal emission from the Earth-sized exoplanet TRAPPIST-1 b using JWST. Nature, 2023, 618, 39-42.	27.8	40
6379	An intracochlear electrocochleography dataset - from raw data to objective analysis using deep learning. Scientific Data, 2023, 10, .	5.3	5
6380	Stirred but not shaken: a multiwavelength view of HD 16743's debris disc. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5940-5951.	4.4	3
6381	Fast Columnar Physics Analyses of Terabyte-Scale LHC Data on a Cache-Aware Dask Cluster. Computing and Software for Big Science, 2023, 7, .	2.9	1
6382	SRG/eROSITA and <i>XMM-Newton</i> observations of Vela Jr. Astronomy and Astrophysics, 2023, 673, A45.	5.1	4
6383	<scp>Rhapsody-C</scp> simulations – anisotropic thermal conduction, black hole physics, and the robustness of massive galaxy cluster scaling relations. Monthly Notices of the Royal Astronomical Society, 2023, 522, 721-749.	4.4	2

#	ARTICLE	IF	CITATIONS
6384	SURVEY OF INVASIVE MOSQUITO SURVEILLANCE AND CONTROL CAPACITY IN SOUTHEASTERN USA REVEALS TRAINING AND RESOURCE NEEDS. Journal of the American Mosquito Control Association, 2023, , .	0.7	0
6385	Semantic Representations during Language Comprehension Are Affected by Context. Journal of Neuroscience, 2023, 43, 3144-3158.	3.6	5
6386	Photometric Catalogue for Space and Ground Night-Time Remote-Sensing Calibration: RGB Synthetic Photometry from Gaia DR3 Spectrophotometry. Remote Sensing, 2023, 15, 1767.	4.0	1
6388	Semi-automatic extraction of land degradation processes using multi sensor data by applying object based classification technique. Applied Geomatics, 2023, 15, 239-248.	2.5	0
6389	Lattice relaxation effects on the collective resonance spectra of a finite dipole array. Physical Chemistry Chemical Physics, 2023, 25, 10054-10062.	2.8	1
6390	The Quest for the Missing Dust. II. Two Orders of Magnitude of Evolution in the Dust-to-gas Ratio Resolved within Local Group Galaxies. Astrophysical Journal, 2023, 946, 42.	4.5	4
6391	Outlook for detecting the gravitational-wave displacement and spin memory effects with current and future gravitational-wave detectors. Physical Review D, 2023, 107, .	4.7	10
6392	Modeling early-universe energy injection with dense neural networks. Physical Review D, 2023, 107, .	4.7	1
6393	Revising Properties of Planet–Host Binary Systems. III. There Is No Observed Radius Gap for Kepler Planets in Binary Star Systems* Â. Astronomical Journal, 2023, 165, 177.	4.7	1
6394	On the contribution of cosmic-ray interactions in the circumgalactic gas to the observed high-energy neutrino flux. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 053.	5.4	1
6395	Do HÎ± Stokes V Profiles Probe the Chromospheric Magnetic Field? An Observational Perspective*. Astrophysical Journal, 2023, 946, 38.	4.5	0
6396	A tale of two lexica: Investigating computational pressures on word representation with neural networks. Frontiers in Artificial Intelligence, 0, 6, .	3.4	1
6397	Quantum error correction with dissipatively stabilized squeezed-cat qubits. Physical Review A, 2023, 107, .	2.5	5
6398	Ringtail: A Python Tool for Efficient Management and Storage of Virtual Screening Results. Journal of Chemical Information and Modeling, 2023, 63, 1858-1864.	5.4	0
6400	Limit on Supernova Emission in the Brightest Gamma-Ray Burst, GRB 221009A. Astrophysical Journal Letters, 2023, 946, L25.	8.3	8
6401	Elemental Abundances of Kepler Objects of Interest in APOGEE DR17. Astronomical Journal, 2023, 165, 178.	4.7	0
6402	Generative network modeling reveals quantitative definitions of bilateral symmetry exhibited by a whole insect brain connectome. ELife, 0, 12, .	6.0	2
6403	Identifying the regional emergence of climate patterns in the ARISE-SAI-1.5 simulations. Environmental Research Letters, 2023, 18, 044031.	5.2	2

#	Article	IF	Citations
6404	Simulation-based inference of single-molecule force spectroscopy. Machine Learning: Science and Technology, 2023, 4, 025009.	5.0	0
6405	The connectome of an insect brain. Science, 2023, 379, .	12.6	92
6406	Differential equations on optimization with applications. AIP Conference Proceedings, 2023, , .	0.4	0
6407	Johari–Goldstein β relaxation in glassy dynamics originates from two-scale energy landscape. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	2
6408	KIF—Key Interactions Finder: A program to identify the key molecular interactions that regulate protein conformational changes. Journal of Chemical Physics, 2023, 158, .	3.0	2
6409	Constraining the shape of dark matter haloes with globular clusters and diffuse stellar light in the E-MOSAICS simulations. Monthly Notices of the Royal Astronomical Society, 2023, 521, 6368-6382.	4.4	2
6410	H.E.S.S. Follow-up Observations of GRB 221009A. Astrophysical Journal Letters, 2023, 946, L27.	8.3	6
6412	Large neutral amino acid levels tune perinatal neuronal excitability and survival. Cell, 2023, 186, 1950-1967.e25.	28.9	13
6413	Forming intracluster gas in a galaxy protocluster at a redshift of 2.16. Nature, 2023, 615, 809-812.	27.8	9
6414	Physics-regularized neural network of the ideal-MHD solution operator in Wendelstein 7-X configurations. Nuclear Fusion, 2023, 63, 066020.	3.5	2
6415	Mock data study for next-generation ground-based detectors: The performance loss of matched filtering due to correlated confusion noise. Physical Review D, 2023, 107, .	4.7	9
6416	New Observational H(z) Data from Full-spectrum Fitting of Cosmic Chronometers in the LEGA-C Survey. Astrophysical Journal, Supplement Series, 2023, 265, 48.	7.7	13
6417	Resonant inelastic x-ray scattering data for Ruddlesden-Popper and reduced Ruddlesden-Popper nickelates. Scientific Data, 2023, 10, .	5.3	1
6418	UVIT Observations of the Small Magellanic Cloud: Point-source Catalog. Astrophysical Journal, 2023, 946, 65.	4.5	2
6419	The Undiscovered Ultradiffuse Galaxies of the Local Group. Astrophysical Journal Letters, 2023, 946, L37.	8.3	3
6420	Comprehensive Analysis of Hydrological Processes in a Programmable Environment: The Watershed Modeling Framework. Hydrology, 2023, 10, 76.	3.0	4
6421	Speakers prioritise affordance-based object semantics in scene descriptions. Language, Cognition and Neuroscience, 2023, 38, 1045-1067.	1.2	0
6422	COOL–LAMPS. III. Discovery of a 25.$â€³$9 Separation Quasar Lensed by a Merging Galaxy Cluster* Â. Astrophysical Journal, 2023, 946, 63.	4.5	6

#	Article	IF	Citations
6424	Continuous Semi-Supervised Nonnegative Matrix Factorization. Algorithms, 2023, 16, 187.	2.1	1
6425	Predicting wildfire ignition causes in Southern France using eXplainable Artificial Intelligence (XAI) methods. Environmental Research Letters, 2023, 18, 044038.	5.2	3
6426	Pain Detection in Biophysiological Signals: Knowledge Transfer from Short-Term to Long-Term Stimuli Based on Distance-Specific Segment Selection. Computers, 2023, 12, 71.	3.3	0
6427	Climatic and environmentally driven variability in lacustrine brGDGT distributions at local to regional scales in Alaska and northwestern Canada. Organic Geochemistry, 2023, 181, 104604.	1.8	1
6428	Modest Dust Settling in the IRAS04302+2247 Class I Protoplanetary Disk. Astrophysical Journal, 2023, 946, 70.	4.5	5
6429	Bubble in the Whale: Identifying the Optical Counterparts and Extended Nebula for the Ultraluminous X-Ray Sources in NGC 4631. Astrophysical Journal, 2023, 946, 72.	4.5	2
6431	Constraints on the transition redshift using Hubble phase space portrait. International Journal of Modern Physics D, 2023, 32, .	2.1	3
6432	formikoj: A flexible library for data management and processing in geophysicsâ€"Application for seismic refraction data. Computers and Geosciences, 2023, 176, 105339.	4.2	0
6433	A cosmic stream of atomic carbon gas connected to a massive radio galaxy at redshift 3.8. Science, 2023, 379, 1323-1326.	12.6	5
6434	The most luminous, merger-free AGNs show only marginal correlation with bar presence. Monthly Notices of the Royal Astronomical Society, 2023, 522, 211-225.	4.4	1
6436	A Symbolic Regression Model for the Prediction of Drug Binding to Human Liver Microsomes. Molecular Pharmaceutics, 2023, 20, 2436-2442.	4.6	1
6437	Altered interpersonal distance regulation in autism spectrum disorder. PLoS ONE, 2023, 18, e0283761.	2.5	2
6438	Unveiling the chemical fingerprint of phosphorus-rich stars. I. In the infrared region of APOGEE-2. Astronomy and Astrophysics, 0, , .	5.1	0
6439	Immuno-Stimulating Activity of 1,25-Dihydroxyvitamin D in Blood Cells from Five Healthy People and in Blasts from Five Patients with Leukemias and Pre-Leukemic States. International Journal of Molecular Sciences, 2023, 24, 6504.	4.1	1
6441	Inverse Laplace Transform Approaches to Î²NMR Relaxation. Journal of Physics: Conference Series, 2023, 2462, 012015.	0.4	0
6444	TESS Observations of the Pleiades Cluster: A Nursery for Î´ Scuti Stars. Astrophysical Journal Letters, 2023, 946, L10.	8.3	7
6445	Concurrent validity and reliability of suicide risk assessment instruments: A meta-analysis of 20 instruments across 27 international cohorts.. Neuropsychology, 2023, 37, 315-329.	1.3	11
6446	SB-PdM: A tool for predictive maintenance of rolling bearings based on limited labeled data. Software Impacts, 2023, 16, 100503.	1.4	0

#	ARTICLE	IF	CITATIONS
6447	Metaboverse enables automated discovery and visualization of diverse metabolic regulatory patterns. Nature Cell Biology, 2023, 25, 616-625.	10.3	4
6448	A social niche breadth score reveals niche range strategies of generalists and specialists. Nature Ecology and Evolution, 2023, 7, 768-781.	7.8	15
6449	Pychastic: Precise Brownian dynamics using Taylor-Itô integrators in Python. , 0, , .		2
6450	Variational inference of ice shelf rheology with physics-informed machine learning. Journal of Glaciology, 0, , 1-20.	2.2	2
6451	Introducing Proximal Causal Inference for Epidemiologists. American Journal of Epidemiology, 0, , .	3.4	1
6452	HXPY: A High-Performance Data Processing Package for Financial Time-Series Data. Journal of Computer Science and Technology, 2023, 38, 3-24.	1.5	1
6453	Search for lithium-rich giants in 32 open clusters with high-resolution spectroscopy. Astronomy and Astrophysics, 0, , .	5.1	2
6454	Archetypal classification of vegetation dynamics of a humid subtropical forest region from North-East Argentina. Remote Sensing Applications: Society and Environment, 2023, 30, 100966.	1.5	0
6455	Swing amplification and the *Gaia* phase spirals. Monthly Notices of the Royal Astronomical Society, 2023, 522, 477-487.	4.4	7
6456	The first X-ray look at SMSSâ€‰J114447.77-430859.3: the most luminous quasar in the last 9 Gyr. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5217-5237.	4.4	2
6457	Feature guided training and rotational standardization for the morphological classification of radio galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 522, 292-311.	4.4	3
6458	Recursive computed ABC (cABC) analysis as a precise method for reducing machine learning based feature sets to their minimum informative size. Scientific Reports, 2023, 13, .	3.3	4
6459	Spectral performance of the Microchannel X-ray Telescope on board the SVOM mission. Experimental Astronomy, 0, , .	3.7	2
6460	Unselfish traits and social decision-making patterns characterize six populations of real-world extraordinary altruists. Nature Communications, 2023, 14, .	12.8	4
6461	A graph-based superframework for mixture model estimation using EM: an analysis of US wholesale electricity markets. Neural Computing and Applications, 0, , .	5.6	0
6462	Gibberellins promote polar auxin transport to regulate stem cell fate decisions in cambium. Nature Plants, 2023, 9, 631-644.	9.3	10
6463	Dark Energy Survey Year 3 results: Constraints on extensions to ΛCDM with weak lensing and galaxy clustering. Physical Review D, 2023, 107, .	4.7	23
6464	The Role of C2 Domains in Two Different Phosphatases: PTEN and SHIP2. Membranes, 2023, 13, 408.	3.0	2

#	Article	IF	Citations
6465	A Survey for High-redshift Gravitationally Lensed Quasars and Close Quasar Pairs. I. The Discoveries of an Intermediately Lensed Quasar and a Kiloparsec-scale Quasar Pair at z âˆ¼ 5. Astronomical Journal, 2023, 165, 191.	4.7	4
6467	A hard look at the X-ray spectral variability of NGC 7582. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1169-1182.	4.4	1
6468	Metal line emission from galaxy haloes at $z \simeq 1$. Monthly Notices of the Royal Astronomical Society, 2023, 522, 535-558.	4.4	7
6469	Data Leakage and Evaluation Issues in Micro-Expression Analysis. IEEE Transactions on Affective Computing, 2024, 15, 186-197.	8.3	1
6470	pyTANSPEC: A data reduction package for TANSPEC. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	0
6471	Fast Simultaneous Feasibility Test for Security Constrained Unit Commitment. IEEE Transactions on Power Systems, 2024, 39, 1068-1078.	6.5	1
6472	Exploring the power of machine learning in analyzing the gas minimum miscibility pressure in hydrocarbons. , 2023, 226, 211778.		3
6473	Julia for biologists. Nature Methods, 2023, 20, 655-664.	19.0	11
6474	A Machine Learning Approach for the Prediction of Testicular Sperm Extraction in Nonobstructive Azoospermia: Algorithm Development and Validation Study. Journal of Medical Internet Research, 0, 25, e44047.	4.3	2
6475	Perfusion and T_2 Relaxation Time as Predictors of Severity and Outcome in Sepsisâ€Associated Acute Kidney Injury: A Preclinical MRI Study. Journal of Magnetic Resonance Imaging, 2023, 58, 1954-1963.	3.4	3
6476	Modelling the cosmological Lymanâ€"Werner background radiation field in the early Universe. Monthly Notices of the Royal Astronomical Society, 2023, 522, 330-349.	4.4	5
6477	Testing protoplanetary disc evolution with CO fluxes. Astronomy and Astrophysics, 2023, 672, L15.	5.1	3
6478	The Masses of a Sample of Radial-velocity Exoplanets with Astrometric Measurements. Research in Astronomy and Astrophysics, 2023, 23, 055022.	1.7	4
6479	RNAlysis: analyze your RNA sequencing data without writing a single line of code. BMC Biology, 2023, 21, .	3.8	4
6480	The H i Gas Fraction Scaling Relation of the Green Pea Galaxies. Research in Astronomy and Astrophysics, 2023, 23, 065006.	1.7	1
6481	Slice-Fusion: Reducing False Positives in Liver Tumor Detection for Mask R-CNN. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, , 1-11.	3.0	0
6482	Uncovering the social determinants of brain injury rehabilitation. Journal of Health Psychology, 2023, 28, 956-969.	2.3	0
6483	Modelling dark matter halo spin using observations and simulations: application to UGC 5288. Monthly Notices of the Royal Astronomical Society, 2023, 522, 2967-2994.	4.4	3

#	ARTICLE	IF	CITATIONS
6484	Ensembleâ€based estimates of the impact of potential observations. Quarterly Journal of the Royal Meteorological Society, 0, , .	2.7	0
6485	Galaxy and Mass Assembly (GAMA): Low-redshift Quasars and Inactive Galaxies Have Similar NeighborsÂ. Astrophysical Journal, 2023, 946, 116.	4.5	0
6486	Multi-wavelength aperture polarimetry of debris disc host stars. Monthly Notices of the Royal Astronomical Society, 2023, 522, 2777-2800.	4.4	1
6487	Spatially explicit ecological modeling improves empirical characterization of plant pathogen dispersal. Plant-Environment Interactions, 2023, 4, 86-96.	1.5	1
6488	Fourier space approach for convolutional neural network (CNN) electrocardiogram (ECG) classification: A proof-of-concept study. Journal of Electrocardiology, 2023, 80, 24-33.	0.9	4
6490	Coefficient of Restitution and Collision Pulse Duration in Low-Speed Vehicle-to-Barrier Impacts. , 0, , .		0
6491	On the use of temporal filtering for mitigating galactic synchrotron calibration bias in 21Âcm reionization observations. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1009-1021.	4.4	2
6492	The scverse project provides a computational ecosystem for single-cell omics data analysis. Nature Biotechnology, 2023, 41, 604-606.	17.5	47
6493	Crosshole Groundâ€Penetrating Radar in Clayâ€Rich Quaternary Deposits: Toward Characterization of Highâ€Loss Media. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	1
6494	An intelligent platform of services based on multimedia understanding and telehealth for supporting the management of SARS-CoV-2 multi-pathological patients. , 2022, , .		1
6495	Using Machine Learning Algorithms to Detect Fake News. Journal of Student Research, 2022, 11, .	0.1	0
6496	SigPrimedNet: A Signaling-Informed Neural Network for scRNA-seq Annotation of Known and Unknown Cell Types. Biology, 2023, 12, 579.	2.8	4
6497	Ceramide-1-phosphate transfer protein enhances lipid transport by disrupting hydrophobic lipidâ€"membrane contacts. PLoS Computational Biology, 2023, 19, e1010992.	3.2	1
6498	Ion Conduction Mechanisms in Potassium Channels Revealed by Permeation Cycles. Journal of Chemical Theory and Computation, 2023, 19, 2574-2589.	5.3	4
6499	The motif composition of variable number tandem repeats impacts gene expression. Genome Research, 2023, 33, 511-524.	5.5	6
6500	SPEADI: Accelerated Analysis of IDP-Ion Interactions from MD-Trajectories. Biology, 2023, 12, 581.	2.8	0
6501	Sars-escape network for escape prediction of SARS-COV-2. Briefings in Bioinformatics, 0, , .	6.5	0
6502	Validation and Testing of the CROBAR 3D Coronal Reconstruction Method with a MURaM Simulation. Astrophysical Journal, 2023, 947, 5.	4.5	0

#	ARTICLE	IF	CITATIONS
6503	Unified model for the LISA measurements and instrument simulations. Physical Review D, 2023, 107, .	4.7	9
6504	A modulated fingerprint assisted machine learning method for retrieving elastic moduli from resonant ultrasound spectroscopy. Scientific Reports, 2023, 13, .	3.3	0
6505	Profiles of oral microbiome associated with nasogastric tube feeding. Journal of Oral Microbiology, 2023, 15, .	2.7	1
6506	The Local Tumor Microbiome Is Associated with Survival in Late-Stage Colorectal Cancer Patients. Microbiology Spectrum, 2023, 11, .	3.0	3
6507	Revealing the Interior Structure of Icy Moons with a Bayesian Approach to Magnetic Induction Measurements. Planetary Science Journal, 2023, 4, 62.	3.6	7
6508	Screening for Major Depressive Disorder Using a Wearable Ultra-Short-Term HRV Monitor and Signal Quality Indices. Sensors, 2023, 23, 3867.	3.8	1
6509	Static energy in (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td (displa	4.7	2
6510	Auto Sizing of CANDU Nuclear Reactor Fuel Channel Flaws from UT Scans. Sensors, 2023, 23, 3907.	3.8	0
6511	The first large catalogue of spectroscopic redshifts in Webb's first deep field, SMACS J0723.3â�―7327. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1867-1884.	4.4	11
6513	Detection of Cosmological 21 cm Emission with the Canadian Hydrogen Intensity Mapping Experiment. Astrophysical Journal, 2023, 947, 16.	4.5	19
6514	RRP Nb_3Sn Subelement Shear Dependence on Hexagonal Subelement Stack Orientation and the Strand's Position Within a Rutherford Cable. IEEE Transactions on Applied Superconductivity, 2023, 33, 1-5.	1.7	1
6516	Monitoring variability in parameter estimates for lumped parameter models of the systemic circulation using longitudinal hemodynamic measurements. BioMedical Engineering OnLine, 2023, 22, .	2.7	1
6517	Contact Area and Deformation of <i>Escherichia coli</i> Cells Adhered on a Cationic Surface. Langmuir, 2023, 39, 6387-6398.	3.5	1
6518	Spectral Classification of Large-Scale Blended (Micro)Plastics Using FT-IR Raw Spectra and Image-Based Machine Learning. Environmental Science & Technology, 2023, 57, 6656-6663.	10.0	10
6519	TIC 219006972: a compact, coplanar quadruple star system consisting of two eclipsing binaries with an outer period of 168Âd. Monthly Notices of the Royal Astronomical Society, 2023, 522, 90-101.	4.4	3
6520	Constraining the mass and redshift evolution of the hydrostatic mass bias using the gas mass fraction in galaxy clusters. Astronomy and Astrophysics, 2023, 674, A48.	5.1	6
6521	Stress testing ΛCDM with high-redshift galaxy candidates. Nature Astronomy, 2023, 7, 731-735.	10.1	62
6522	Induced Earthquake Source Parameters, Attenuation, and Site Effects From Waveform Envelopes in the Fennoscandian Shield. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	4

#	Article	IF	Citations
6523	chelsaâ€¢mip6 1.0: a python package to create high resolution bioclimatic variables based on CHELSA ver. 2.1 and CMIP6 data. Ecography, 2023, 2023, .	4.5	5
6524	The potential evaluation of groundwater by integrating rank sum ratio (RSR) and machine learning algorithms in the Qaidam Basin. Environmental Science and Pollution Research, 2023, 30, 63991-64005.	5.3	7
6525	Formation of proto-globular cluster candidates in cosmological simulations of dwarf galaxies at <i>z</i> > 4. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1800-1813.	4.4	5
6526	Accelerating models for multiphase chemical kinetics through machine learning with polynomial chaos expansion and neural networks. Geoscientific Model Development, 2023, 16, 2037-2054.	3.6	5
6527	Nuclear Activity in the Low-metallicity Dwarf Galaxy SDSS J0944-0038 : A Glimpse into the Primordial Universe. Astrophysical Journal Letters, 2023, 946, L38.	8.3	2
6528	Chebyshev pseudosite matrix product state approach for the spectral functions of electron-phonon coupling systems. Physical Review Research, 2023, 5, .	3.6	1
6529	Saying Hallo to M94's Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge Host in the Local Universe. Astrophysical Journal, 2023, 947, 21.	4.5	0
6530	Data-Driven Taxonomy for Antipsychotic Medication: A New Classification System. Biological Psychiatry, 2023, 94, 561-568.	1.3	8
6531	Synthesis, antiviral activity, and computational study of Î²-d-xylofuranosyl nucleoside phosphonates. European Journal of Medicinal Chemistry, 2023, 255, 115379.	5.5	0
6533	Introduction to artificial intelligence and deep learning using interactive electronic programming notebooks. Archiv Der Pharmazie, 2023, 356, .	4.1	1
6535	This population does not exist: learning the distribution of evolutionary histories with generative adversarial networks. Genetics, 2023, 224, .	2.9	3
6536	SolvationAnalysis: A Python toolkit for understanding liquid solvation structure in classical molecular dynamics simulations. Journal of Open Source Software, 2023, 8, 5183.	4.6	0
6539	Analytical and experimental studies on the damage evolution of SAC solder alloys. , 2023, , .		0
6541	On the instability of the magnetohydrodynamic pipe flow subject to a transverse magnetic field. Physics of Fluids, 2023, 35, 044112.	4.0	0
6542	GeoBind: segmentation of nucleic acid binding interface on protein surface with geometric deep learning. Nucleic Acids Research, 2023, 51, e60-e60.	14.5	4
6543	A LAMOST Spectroscopic Study of T Tauri Stars in the Orion OB1a Subassociation. Astronomical Journal, 2023, 165, 205.	4.7	1
6544	A Closed-Form Correction for the Spalartâ€"Allmaras Turbulence Model for Separated Flows. AIAA Journal, 0, , 1-12.	2.6	1
6545	Flares, Jets, and Quasiperiodic Outbursts from Neutron Star Merger Remnants. Astrophysical Journal Letters, 2023, 947, L15.	8.3	11

#	ARTICLE	IF	CITATIONS
6546	Complete variable domain sequences of monoclonal antibody light chains identified from untargeted RNA sequencing data. Frontiers in Immunology, 0, 14, .	4.8	3
6547	Development of Algorithms and Software for Modeling Controlled Dynamic Systems Using Symbolic Computations and Stochastic Methods. Programming and Computer Software, 2023, 49, 108-121.	0.9	1
6548	Overview of the DESI Milky Way Survey. Astrophysical Journal, 2023, 947, 37.	4.5	26
6550	Design and analysis of polygonal mirror based scan engines for single element detection, spatial frequency modulation imaging. Applied Optics, 0, , .	1.8	1
6551	On the anti-correlation between pericentric distance and inner dark matter density of Milky Way's dwarf spheroidal galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
6552	Qiskit Experiments: A Python package to characterize and calibrate quantum computers. Journal of Open Source Software, 2023, 8, 5329.	4.6	7
6553	Revisiting K2-233 spectroscopic time-series with multidimensional Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3458-3471.	4.4	4
6554	X-Ray-luminous Supernovae: Threats to Terrestrial Biospheres. Astrophysical Journal, 2023, 947, 42.	4.5	3
6555	Morphological analysis of the polarized synchrotron emission with WMAP and Planck. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 049.	5.4	4
6556	Simplified likelihoods using linearized systematic uncertainties. Journal of High Energy Physics, 2023, 2023, .	4.7	1
6557	DeepSTABp: A Deep Learning Approach for the Prediction of Thermal Protein Stability. International Journal of Molecular Sciences, 2023, 24, 7444.	4.1	10
6558	SPT-CL J2215−3537: A Massive Starburst at the Center of the Most Distant Relaxed Galaxy Cluster. Astrophysical Journal, 2023, 947, 44.	4.5	1
6559	Weighing the Local Interstellar Medium Using Gamma Rays and Dust. Physical Review Letters, 2023, 130, .	7.8	1
6560	Dark photon dark matter from an oscillating dilaton. Physical Review D, 2023, 107, .	4.7	7
6561	Formation of star clusters and enrichment by massive stars in simulations of low-metallicity galaxies with a fully sampled initial stellar mass function. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3092-3116.	4.4	5
6562	Yersel referans verilerinin doğruluğunun çok zamanlı Sentinel-2 uydu görüntüleri ile araştırılması: Arpa ve Buğday örneği. Geomatik, 0, , .	1.6	1
6563	Distinct and joint effects of low and high levels of Aβ and tau deposition on cortical thickness. NeuroImage: Clinical, 2023, 38, 103409.	2.7	2
6564	Combining physics and deep learning to learn continuous-time dynamics models. International Journal of Robotics Research, 2023, 42, 83-107.	8.5	3

#	Article	IF	Citations
6565	PyHMMER: a Python library binding to HMMER for efficient sequence analysis. Bioinformatics, 2023, 39, .	4.1	8
6566	PAReTT: A Python Package for the Automated Retrieval and Management of Divergence Time Data from the TimeTree Resource for Downstream Analyses. Journal of Molecular Evolution, 0, , .	1.8	0
6567	Predicting light curves of RR Lyrae variables using artificial neural network based interpolation of a grid of pulsation models. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1504-1520.	4.4	1
6568	DQPB: software for calculating disequilibrium U–Pb ages. Geochronology, 2023, 5, 181-196.	2.5	1
6569	Mass measurements and 3D orbital geometry of PSR J1933-6211. Astronomy and Astrophysics, 0, , .	5.1	1
6570	Validation of genetic variants from NGS data using deep convolutional neural networks. BMC Bioinformatics, 2023, 24, .	2.6	0
6571	The first quiescent galaxies in TNG300. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3138-3144.	4.4	5
6572	Machine Learning Approach for Event Position Reconstruction in the DEAP-3600 Dark Matter Search Experiment. Physics, 2023, 5, 483-491.	1.4	0
6573	Maintenance optimization of a system subject to two-stage degradation, hard failure, and imperfect repair. Reliability Engineering and System Safety, 2023, 237, 109313.	8.9	4
6574	Blood Glucose Level Time Series Forecasting: Nested Deep Ensemble Learning Lag Fusion. Bioengineering, 2023, 10, 487.	3.5	5
6575	Ising-Based Kernel Clustering. Algorithms, 2023, 16, 214.	2.1	2
6576	Ovitrap Monitor - Online application for counting mosquito eggs and visualisation toolbox in support of health services. Ecological Informatics, 2023, 75, 102105.	5.2	2
6577	pycoMeth: a toolbox for differential methylation testing from Nanopore methylation calls. Genome Biology, 2023, 24, .	8.8	2
6578	Classification of pulmonary sounds through deep learning for the diagnosis of interstitial lung diseases secondary to connective tissue diseases. Computers in Biology and Medicine, 2023, 160, 106928.	7.0	3
6579	France's New Lung Transplant Allocation System: Combining Equity With Proximity by Optimizing Geographic Boundaries Through the Supply/Demand Ratio. Transplant International, 0, 35, .	1.6	8
6580	pbqff: Push-Button Quartic Force Fields. Journal of Chemical Theory and Computation, 2023, 19, 2606-2615.	5.3	13
6582	SLEPLET: Slepian Scale-Discretised Wavelets in Python. Journal of Open Source Software, 2023, 8, 5221.	4.6	0
6583	The Possibility of Modeling the Very High Energy Afterglow of GRB 221009A in a Wind Environment. Astrophysical Journal, 2023, 947, 53.	4.5	16

#	Article	IF	Citations
6584	Systematic underestimation of uncertainties by widespread neutron-scattering data-reduction software. Journal of Neutron Research, 2023, , 1-20.	1.1	0
6585	Surface Rearrangement and Sublimation Kinetics of Supported Gold Nanoparticle Catalysts. ACS Nano, 2023, 17, 8098-8107.	14.6	4
6586	High-resolution Emission Spectroscopy of the Ultrahot Jupiter KELT-9b: Little Variation in Day- and Nightside Emission Line Contrasts. Astronomical Journal, 2023, 165, 211.	4.7	0
6587	Deep learning on graphs for multi-omics classification of COPD. PLoS ONE, 2023, 18, e0284563.	2.5	2
6588	An Instrument Assembly and Data Science Lab for Early Undergraduate Education. Journal of Chemical Education, 0, , .	2.3	24
6589	Target-of-Opportunity Observation Detectability of Kilonovae with WFST. Astrophysical Journal, 2023, 947, 59.	4.5	3
6590	Mechanism of interdigitation formation at apical boundary of MDCK cell. IScience, 2023, 26, 106594.	4.1	0
6591	Evaluating Air Quality Status in Chicago: Application of Street View Imagery and Urban Climate Sensors. Environmental Modeling and Assessment, 0, , .	2.2	0
6592	Spatio-temporal non-localities in a solar-like mean-field dynamo. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
6593	Linopy: Linear optimization with n-dimensional labeled variables. Journal of Open Source Software, 2023, 8, 4823.	4.6	0
6594	Extracting Pseudocode from Digital Block Diagram in Technical Documents. International Journal on Artificial Intelligence Tools, 0, , .	1.0	0
6595	Decentralized Strongly-Convex Optimization withÂAffine Constraints: Primal andÂDual Approaches. Communications in Computer and Information Science, 2022, , 93-105.	0.5	2
6597	An accessible infrastructure for artificial intelligence using a Docker-based JupyterLab in Galaxy. GigaScience, 2022, 12, .	6.4	1
6598	(oldsymbol{mathcal{L}_2})-Optimal Reduced-Order Modeling Using Parameter-Separable Forms. SIAM Journal of Scientific Computing, 2023, 45, A554-A578.	2.8	1
6599	Temporal and spatial variability in population traits of an intertidal fucoid reveals local-scale climatic refugia. Marine Environmental Research, 2023, 188, 106006.	2.5	2
6600	Searching for Gravitational-wave Counterparts Using the Transiting Exoplanet Survey Satellite. Astrophysical Journal Letters, 2023, 948, L3.	8.3	1
6601	Peeking beneath the precision floor â˜ II. Probing the chemo-dynamical histories of the potential globular cluster siblings, NGC 288 and NGC 362. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4404-4420.	4.4	2
6603	Visualizing the Residue Interaction Landscape of Proteins by Temporal Network Embedding. Journal of Chemical Theory and Computation, 2023, 19, 2985-2995.	5.3	4

#	Article	IF	Citations
6604	Evaluation of Station Timing Errors from Demeaned Arrival Time Delays. Bulletin of the Seismological Society of America, 0, , .	2.3	0
6605	Multi-campaign asteroseismic analysis of eight solar-like pulsating stars observed by the K2 mission. Astronomy and Astrophysics, 0, , .	5.1	1
6606	Accurate characterization of the stochastic gravitational-wave background with pulsar timing arrays by likelihood reweighting. Physical Review D, 2023, 107, .	4.7	13
6607	Topologically associating domain underlies tissue specific expression of long intergenic non-coding RNAs. IScience, 2023, 26, 106640.	4.1	1
6608	CHIME/FRB Discovery of 25 Repeating Fast Radio Burst Sources. Astrophysical Journal, 2023, 947, 83.	4.5	27
6609	Evolution of Global Ocean Tide Levels Since the Last Glacial Maximum. Paleoceanography and Paleoclimatology, 2023, 38, .	2.9	2
6610	A Ray Tracing Model for Electron Optical Imaging in Electron Beam Powder Bed Fusion. Journal of Manufacturing and Materials Processing, 2023, 7, 87.	2.2	0
6611	Tree-based solvers for adaptive mesh refinement code <scp>flash</scp> â€“ IV. An X-ray radiation scheme to couple discrete and diffuse X-ray emission sources to the thermochemistry of the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4674-4690.	4.4	1
6612	The pysat ecosystem. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	1
6613	Phase Curves of Kuiper Belt Objects, Centaurs, and Jupiter-family Comets from the ATLAS Survey. Planetary Science Journal, 2023, 4, 75.	3.6	2
6614	Highly-parallelized simulation of a pixelated LArTPC on a GPU. Journal of Instrumentation, 2023, 18, P04034.	1.2	0
6615	Turnaround density evolution encodes cosmology in simulations. Astronomy and Astrophysics, 0, , .	5.1	0
6616	CO or no CO? Narrowing the CO abundance constraint and recovering the H2O detection in the atmosphere of WASP-127â€‰b using SPIRou. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5062-5083.	4.4	10
6617	A Single Reference Interval for Interpreting Serum Free Light Chains across Patients with Varying Renal Function. Clinical Chemistry, 2023, 69, 595-605.	3.2	1
6618	A framework to measure the properties of intergalactic metal systems with two-point flux statistics. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5980-5995.	4.4	3
6619	MaNGA DynPop â€“ I. Quality-assessed stellar dynamical modelling from integral-field spectroscopy of 10K nearby galaxies: a catalogue of masses, mass-to-light ratios, density profiles, and dark matter. Monthly Notices of the Royal Astronomical Society, 2023, 522, 6326-6353.	4.4	10
6622	Excess Mortality and Years of Potential Life Lost Among the Black Population in the US, 1999-2020. JAMA - Journal of the American Medical Association, 2023, 329, 1662.	7.4	28
6623	Wave-function-based emulation for nucleon-nucleon scattering in momentum space. Physical Review C, 2023, 107, .	2.9	1

#	ARTICLE	IF	CITATIONS
6624	Rare b decays meet high-mass Drell-Yan. Journal of High Energy Physics, 2023, 2023, .	4.7	30
6625	Spatially Resolved Properties of Galaxies at 5 < z < 9 in the SMACS 0723 JWST ERO Field. Astrophysical Journal, 2023, 948, 126.	4.5	16
6626	Testing AGN outflow and accretion models with Câ€‰<scp>iv</scp> and Heâ€‰<scp>ii</scp> emission line demographics in <i>z</i> â‰ˆ 2 quasars. Monthly Notices of the Royal Astronomical Society, 2023, 523, 646-666.	4.4	11
6627	Stable stadial and interstadial states of the last glacial's climate identified in a combined stable water isotope and dust record from Greenland. Earth System Dynamics, 2023, 14, 593-607.	7.1	1
6628	A Deep Reinforcement Learning Approach for Competitive Task Assignment in Enterprise Blockchain. IEEE Access, 2023, , 1-1.	4.2	0
6629	Evaluation of the methane paradox in four adjacent pre-alpine lakes across a trophic gradient. Nature Communications, 2023, 14, .	12.8	10
6630	Racial Disparity in Tympanostomy Tube Placement in Inpatient Pediatric Admissions. Clinical Pediatrics, 2023, 62, 1531-1536.	0.8	1
6631	Wavelength-dependence of the photothermal efficiency of gold nanoparticles in solution by Z-scan photothermal lens spectroscopy. Chemical Physics Letters, 2023, 823, 140501.	2.6	3
6632	Delineation of agricultural fields in arid regions from Worldview-2 datasets based on image textural properties. Environmental Monitoring and Assessment, 2023, 195, .	2.7	2
6633	Applied Machine-Learning Models to Identify Spectral Sub-Types of M Dwarfs from Photometric Surveys. Publications of the Astronomical Society of the Pacific, 2023, 135, 044502.	3.1	0
6634	Evaluating the precision and reproducibility of non-invasive deformation measurements in an arterial phantom. Measurement: Journal of the International Measurement Confederation, 2023, 216, 112904.	5.0	0
6635	Validation of subjective manual palpation using objective physiological recordings of the cranial rhythmic impulse during osteopathic manipulative intervention. Scientific Reports, 2023, 13, .	3.3	3
6636	The CORALIE survey for southern extrasolar planets. Astronomy and Astrophysics, 2023, 674, A114.	5.1	1
6637	Comparing the Importance of Iodine and Isoprene on Tropospheric Photochemistry. Geophysical Research Letters, 2023, 50, .	4.0	0
6638	GEB v0.1: a large-scale agent-based socio-hydrological model â€" simulating 10 million individual farming households in a fully distributed hydrological model. Geoscientific Model Development, 2023, 16, 2437-2454.	3.6	4
6639	Continental and Glacial Runoff Fingerprints in the Canadian Arctic Archipelago, the Inuit Nunangat Ocean. Journal of Geophysical Research G: Biogeosciences, 2023, 128, .	3.0	0
6640	Comparative Analysis of Spoken Telugu digits using MFCC and LPCC via Hidden Markov Models. , 2023, , .		0
6642	Prior Movement of One Arm Facilitates Motor Adaptation in the Other. Journal of Neuroscience, 2023, 43, 4341-4351.	3.6	2

#	Article	IF	Citations
6643	Formation of globular clusters in dwarf galaxies of the Local Group. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5638-5653.	4.4	6
6644	An adaptive soft‐sensor for advanced real‐time monitoring of an antibody‐drug conjugation reaction. Biotechnology and Bioengineering, 2023, 120, 1914-1928.	3.3	3
6645	A morphological analysis of the substructures in radio relics. Monthly Notices of the Royal Astronomical Society, 2023, 523, 701-719.	4.4	1
6646	Automated Tools to Improve Spinal Cord Injury Outcomes with Epidural Stimulation. , 2023, , .		0
6648	Measuring cognitively demanding activities in pediatric out-of-hospital cardiac arrest. Advances in Simulation, 2023, 8, .	2.3	0
6649	PyES — An open-source software for the computation of solution and precipitation equilibria. Chemometrics and Intelligent Laboratory Systems, 2023, 239, 104860.	3.5	6
6650	A revised perspective on the evolution of the lateral frontal cortex in primates. Science Advances, 2023, 9, .	10.3	14
6652	Modelling supernova nebular lines in 3D with <scp>extrass</scp>. Monthly Notices of the Royal Astronomical Society, 2023, 523, 954-973.	4.4	3
6653	Immune cell extravasation in an organ-on-chip to model lung inflammation. European Journal of Pharmaceutical Sciences, 2023, 187, 106485.	4.0	1
6654	Course Materials for an Introduction to Data-Driven Chemistry. The Journal of Open Source Education, 2023, 6, 192.	0.4	3
6655	Waveform uncertainty quantification and interpretation for gravitational-wave astronomy. Classical and Quantum Gravity, 2023, 40, 135002.	4.0	7
6656	Score-based generative modeling for de novo protein design. Nature Computational Science, 2023, 3, 382-392.	8.0	13
6657	Neural dynamics and architecture of the heading direction circuit in zebrafish. Nature Neuroscience, 2023, 26, 765-773.	14.8	16
6658	cnpy++: A C++17 library for reading and writing .npy/.npz files. SoftwareX, 2023, 21, 101324.	2.6	0
6659	A 3D View of Orion. I. Barnard's Loop. Astrophysical Journal, 2023, 947, 66.	4.5	4
6660	Pricing High-Dimensional Bermudan Options with Hierarchical Tensor Formats. SIAM Journal on Financial Mathematics, 2023, 14, 383-406.	1.3	1
6661	Frenetic Steering in a Nonequilibrium Graph. Journal of Statistical Physics, 2023, 190, .	1.2	0
6662	Functional brain networks reflect spatial and temporal autocorrelation. Nature Neuroscience, 2023, 26, 867-878.	14.8	13

#	Article	IF	Citations
6663	Phenomenology of Avalanche Recordings From Distributed Acoustic Sensing. Journal of Geophysical Research F: Earth Surface, 2023, 128, .	2.8	1
6664	Manifold lifting: scaling Markov chain Monte Carlo to the vanishing noise regime. Journal of the Royal Statistical Society Series B: Statistical Methodology, 0, , .	2.2	0
6665	WaterKit: Thermodynamic Profiling of Protein Hydration Sites. Journal of Chemical Theory and Computation, 2023, 19, 2535-2556.	5.3	0
6666	Machine-guided path sampling to discover mechanisms of molecular self-organization. Nature Computational Science, 2023, 3, 334-345.	8.0	27
6667	Manual cell selection in single cell transcriptomics using scSELpy supports the analysis of immune cell subsets. Frontiers in Immunology, 0, 14, .	4.8	0
6668	The Origin of the Large Magellanic Cloud Globular Cluster NGC 2005. Astronomical Journal, 2023, 165, 213.	4.7	0
6672	Microsecond Motion of the Bacterial Transporter EmrE in Lipid Bilayers. Journal of the American Chemical Society, 2023, 145, 10104-10115.	13.7	2
6673	Inflation and Primordial Black Holes. Universe, 2023, 9, 203.	2.5	34
6674	Combatting the mismatch: Modeling bike-sharing rental and return machine learning classification forecast in Seoul, South Korea. Journal of Transport Geography, 2023, 109, 103587.	5.0	5
6675	Red riding on hood: exploring how galaxy colour depends on environment. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4116-4131.	4.4	0
6676	Crystal structure of FAD‑independent methylene‑tetrahydrofolate reductase from <i>Mycobacterium hassiacum</i>. Proteins: Structure, Function and Bioinformatics, 0, , .	2.6	0
6677	Per-title and per-segment CRF estimation using DNNs for quality-based video coding. Expert Systems With Applications, 2023, 227, 120289.	7.6	3
6678	TCT investigation of the one-sided depletion of low-temperature covalently bonded silicon sensor P-N diodes. Journal of Instrumentation, 2023, 18, P05004.	1.2	0
6679	Unsupervised learning of representative local atomic arrangements in molecular dynamics data. Physical Chemistry Chemical Physics, 2023, 25, 13741-13754.	2.8	3
6680	Prony Analysis of Left Ventricle Pressure and Volume. Medical Engineering and Physics, 2023, 116, 103987.	1.7	0
6681	<i>In vivo</i> Raman spectroscopy in the diagnostics of colon cancer. Analyst, The, 2023, 148, 2518-2526.	3.5	7
6682	Exploring the Magnetic Field Geometry in NGC 891 with SOFIA/HAWC+. Astronomical Journal, 2023, 165, 223.	4.7	0
6683	Numerical Simulations of Tidal Deformation and Resulting Light Curves of Small Bodies: Material Constraints of 99942 Apophis and 1I/â€Oumuamua. Planetary Science Journal, 2023, 4, 79.	3.6	2

#	ARTICLE	IF	CITATIONS
6684	A hospital demand and capacity intervention approach for COVID-19. PLoS ONE, 2023, 18, e0283350.	2.5	0
6685	Deep Hydraulicallyâ€Active Fractures in Sensitive Clay Deposits: Implications for Groundwater Flow and Slope Stability. Geophysical Research Letters, 2023, 50, .	4.0	0
6686	Compact Steep Spectrum Radio Sources with Enhanced Star Formation Are Smaller Than 10 kpc. Astrophysical Journal Letters, 2023, 948, L9.	8.3	2
6687	Applications of machine learning to detecting fast neutrino flavor instabilities in core-collapse supernova and neutron star merger models. Physical Review D, 2023, 107, .	4.7	7
6688	A Pilot Study of Nulling in 22 Pulsars Using Mixture Modeling. Astrophysical Journal, 2023, 948, 32.	4.5	2
6689	Detecting Isotachophoresis Zones Hidden in Noise Using Signal Processing. Analytical Chemistry, 2023, 95, 7575-7583.	6.5	1
6690	Biases to primordial non-Gaussianity measurements from CMB secondary anisotropies. Monthly Notices of the Royal Astronomical Society, 2023, 523, 825-848.	4.4	3
6691	Self-consistent Spin, Tidal, and Dynamical Equations of Motion in the REBOUNDx Framework. Astrophysical Journal, 2023, 948, 41.	4.5	4
6692	Functional connectome fingerprinting across the lifespan. Network Neuroscience, 2023, 7, 1206-1227.	2.6	2
6693	Inflation: a Python library for classical and quantum causal compatibility. Quantum - the Open Journal for Quantum Science, 0, 7, 996.	0.0	2
6694	Optimising Feature Selection: A Comparative Study of mRMR-Boruta/RFE Hybrid Approach. , 2023, , .		1
6695	Harnessing the Hubble Space Telescope Archives: A Catalog of 21,926 Interacting Galaxies. Astrophysical Journal, 2023, 948, 40.	4.5	2
6696	Col-OSSOS: The Two Types of Kuiper Belt Surfaces. Planetary Science Journal, 2023, 4, 80.	3.6	2
6697	SproutAngio: an open-source bioimage informatics tool for quantitative analysis of sprouting angiogenesis and lumen space. Scientific Reports, 2023, 13, .	3.3	3
6698	A chance of rain: investigating the effects of stochastic charging on the orbital dynamics and precipitation of nanodust in Saturnâ€™s rings. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4862-4874.	4.4	0
6701	Approximate Bayesian Computation applied to time series of population genetic data disentangles rapid genetic changes and demographic variations in a pathogen population. Molecular Ecology, 0, , .	3.9	0
6702	Obscured AGN enhancement in galaxy pairs at cosmic noon: evidence from a probabilistic treatment of photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3146-3163.	4.4	3
6704	Development and performance evaluation of a novel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e352" altimg="si3.svg"><mml:mi mathvariant="normal">Î³</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e357" altimg="si3.svg"><mml:mi mathvariant="normal">Î³</mml:mi></mml:math> coincidence analysis software. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectromet	1.6	0

#	Article	IF	Citations
6705	A local subset of mesenchymal cells expressing the transcription factor Osr1 orchestrates lymph node initiation. Immunity, 2023, 56, 1204-1219.e8.	14.3	3
6706	A local meshfree radial point interpolation method for Berger equationÂarising in modelling of thin plates. Applied Mathematical Modelling, 2023, 122, 555-571.	4.2	1
6707	Clinical, biochemical and molecular characterization of 12 patients with pyruvate carboxylase deficiency treated with triheptanoin. Molecular Genetics and Metabolism, 2023, 139, 107605.	1.1	0
6708	Remapping in a recurrent neural network model of navigation and context inference. ELife, 0, 12, .	6.0	2
6709	The odd bunch: chrono-chemo-dynamics of sixteen unusual stars from Kepler. Monthly Notices of the Royal Astronomical Society, 2023, 523, 1089-1103.	4.4	0
6710	Evaluation of nutritional status and clinical depression classification using an explainable machine learning method. Frontiers in Nutrition, 0, 10, .	3.7	2
6711	A Nonrepeating Fast Radio Burst in a Dwarf Host Galaxy. Astrophysical Journal, 2023, 948, 67.	4.5	17
6712	Gas Accretion Can Drive Turbulence in Galaxies. Astrophysical Journal, 2023, 948, 107.	4.5	7
6713	Toward Accurate Modeling of Galaxy Clustering on Small Scales: Halo Model Extensions and Lingering Tension. Astrophysical Journal, 2023, 948, 100.	4.5	2
6714	Insights into the reionization epoch from cosmic-noon-Câ€IV emitters in the VANDELS survey. Astronomy and Astrophysics, 2023, 674, A221.	5.1	3
6715	Quantum AI simulator using a hybrid CPUâ€"FPGA approach. Scientific Reports, 2023, 13, .	3.3	2
6716	Data-Driven Identification and Analysis of the Glass Transition in Polymer Melts. ACS Macro Letters, 2023, 12, 679-684.	4.8	2
6717	The Locations of Features in the Mass Distribution of Merging Binary Black Holes Are Robust against Uncertainties in the Metallicity-dependent Cosmic Star Formation History. Astrophysical Journal, 2023, 948, 105.	4.5	5
6718	CLEAR: High-ionization [Ne v] λ3426 Emission-line Galaxies at 1.4 < z < 2.3. Astrophysical Journal, 2023, 948, 112.	4.5	8
6719	<scp>arepo</scp> white dwarf merger simulations resulting in edge-lit detonation and run-away hypervelocity companion. Monthly Notices of the Royal Astronomical Society, 2023, 523, 527-544.	4.4	2
6720	Unbreaking Assemblies in Molecular Simulations with Periodic Boundaries. Journal of Chemical Information and Modeling, 2023, 63, 3448-3452.	5.4	3
6722	Pace v0.2: a Python-based performance-portable atmospheric model. Geoscientific Model Development, 2023, 16, 2719-2736.	3.6	0
6723	Using 137Cs and 210Pbex to assess soil redistribution at different temporal scales along with lithogenic radionuclides to evaluate contrasted watersheds in the Uruguayan Pampa grassland. Geoderma, 2023, 435, 116502.	5.1	2

#	Article	IF	Citations
6724	The dark side of FIRE: predicting the population of dark matter subhaloes around Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 523, 428-440.	4.4	2
6725	HSC-CLAUDS survey: The star formation rate functions since <i>z</i>â€ â€„â^¼â€„â€ 2 and comparison with hydrodynamical simulations. Astronomy and Astrophysics, 2023, 675, A164.	5.1	1
6726	Plasmoid Instability in the Multiphase Interstellar Medium. Astrophysical Journal Letters, 2023, 949, L5.	8.3	5
6727	Atomic Simulation Interface (ASI): application programming interface for electronic structure codes. Journal of Open Source Software, 2023, 8, 5186.	4.6	0
6728	Enriching Representation and Enhancing Nearest Neighbor Classification of Slope/Landslide Data Using Rectified Feature Line Segments and Hypersphere-Based Scaling: A Reproducible Experimental Comparison. Mathematical Geosciences, 0, , .	2.4	0
6729	Responses of pyramidal cell somata and apical dendrites in mouse visual cortexÂover multiple days. Scientific Data, 2023, 10, .	5.3	2
6730	Testing the cosmological principle: on the time dilation of distant sources. Monthly Notices of the Royal Astronomical Society, 2023, 523, 667-675.	4.4	2
6731	Algae drive convergent bacterial community assembly at low dilution frequency. IScience, 2023, 26, 106879.	4.1	1
6732	A Glimpse of the Stellar Populations and Elemental Abundances of Gravitationally Lensed, Quiescent Galaxies at z â‰³ 1 with Keck Deep Spectroscopy. Astrophysical Journal, 2023, 948, 132.	4.5	2
6733	mdapy: A flexible and efficient analysis software for molecular dynamics simulations. Computer Physics Communications, 2023, 290, 108764.	7.5	6
6734	Revisiting the Dragonfly galaxy â€" I. High-resolution ALMA and VLA observations of the radio hotspots in a hyper-luminous infrared galaxy at <i>z</i> = 1.92. Monthly Notices of the Royal Astronomical Society, 2023, 522, 6123-6136.	4.4	1
6735	Celloscope: a probabilistic model for marker-gene-driven cell type deconvolution in spatial transcriptomics data. Genome Biology, 2023, 24, .	8.8	4
6736	VisWaterNet: Visualization of Water Distribution Networks. , 2023, , .		0
6737	MUSE-ALMA Haloes XI: gas flows in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2023, 523, 676-700.	4.4	3
6738	Pharmacoinformatic Investigation of Silymarin as a Potential Inhibitor against Nemopilema nomurai Jellyfish Metalloproteinase Toxin-like Protein. International Journal of Molecular Sciences, 2023, 24, 8972.	4.1	0
6740	On the correspondence between the transcriptomic response of a compound and its effects on its targets. BMC Bioinformatics, 2023, 24, .	2.6	0
6741	Semantic Segmentation With Multiple Contradictory Annotations Using A Dynamic Score Function. IEEE Access, 2023, , 1-1.	4.2	0
6742	Individual tree segmentation and species classification using high-density close-range multispectral laser scanning data. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2023, 9, 100039.	3.1	6

#	Article	IF	Citations
6744	KIC 7284688: A Solar-type Eclipsing Binary with Rapidly Varying Oâ€™Connell Effect. Astronomical Journal, 2023, 165, 247.	4.7	0
6745	GABAergic Effects of Etifoxine and Alprazolam Assessed by Double Pulse TMS. Pharmacopsychiatry, 0, , .	3.3	1
6746	spgrep: On-the-fly generator of space-group irreducible representations. Journal of Open Source Software, 2023, 8, 5269.	4.6	0
6747	COSMOS2020: Exploring the Dawn of Quenching for Massive Galaxies at 3 < z < 5 with a New Color-selection Method. Astronomical Journal, 2023, 165, 248.	4.7	8
6748	Detection of Carbon Monoxideâ€™s 4.6 Micron Fundamental Band Structure in WASP-39bâ€™s Atmosphere with JWST NIRSpec G395H. Astrophysical Journal Letters, 2023, 949, L15.	8.3	4
6749	Multilognormal density structure in Cygnus-X molecular clouds: a fitting for N-PDF without power law. Monthly Notices of the Royal Astronomical Society, 2023, 523, 1373-1387.	4.4	2
6750	Updated Planetary Mass Constraints of the Young V1298 Tau System Using MAROON-X. Astronomical Journal, 2023, 165, 250.	4.7	1
6751	At what scales does a river meander? Scale-specific sinuosity (S3) metric for quantifying stream meander size distribution. Geomorphology, 2023, 436, 108734.	2.6	1
6752	Nucleocapsid-specific T cell responses associate with control of SARS-CoV-2 in the upper airways before seroconversion. Nature Communications, 2023, 14, .	12.8	6
6753	Gliding tremors associated with the 26 second microseism in the Gulf of Guinea. Communications Earth & Environment, 2023, 4, .	6.8	1
6754	Supporting the Diagnosis of Fabry Disease Using a Natural Language Processing-Based Approach. Journal of Clinical Medicine, 2023, 12, 3599.	2.4	4
6756	Genome mining reveals the prevalence and extensive diversity of toxinâ€“antitoxin systems in Staphylococcus aureus. Frontiers in Microbiology, 0, 14, .	3.5	0
6758	New Active Asteroid (588045) 2007 FZ18. Research Notes of the AAS, 2023, 7, 102.	0.7	1
6759	AGN feedback in action in the molecular gas ring of the Seyfert galaxy NGC 7172. Astronomy and Astrophysics, 2023, 675, A88.	5.1	3
6760	Why do our rainfallâ€“runoff models keep underestimating the peak flows?. Hydrology and Earth System Sciences, 2023, 27, 1987-2000.	4.9	5
6761	Assessment of a physics-based retrieval of exoplanet atmospheric temperatures from infrared emission spectra. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
6762	The CGM^2 Survey: Quenching and the Transformation of the Circumgalactic Medium. Astrophysical Journal, 2023, 949, 41.	4.5	3
6763	Self Attention Networks in Speaker Recognition. Applied Sciences (Switzerland), 2023, 13, 6410.	2.5	3

#	Article	IF	Citations
6764	Latent bone modelling for estimation of plutonium concentration in skeleton of former nuclear workers. Radiation Protection Dosimetry, 2023, 199, 681-688.	0.8	0
6765	G 68-34: A Double-lined M-dwarf Eclipsing Binary in a Hierarchical Triple System. Astrophysical Journal, 2023, 949, 37.	4.5	0
6766	Stellar-reddening-based Extinction Maps for Cosmological Applications. Astrophysical Journal, 2023, 949, 47.	4.5	1
6767	Using the Monte-Carlo method to analyze experimental data and produce uncertainties and covariances. EPJ Web of Conferences, 2023, 284, 01045.	0.3	0
6768	Adsorbate Organization Characterized by Sublevelset Persistent Homology. Journal of Chemical Theory and Computation, 2023, 19, 3303-3312.	5.3	0
6769	Maximizing protein production by keeping cells at optimal secretory stress levels using real-time control approaches. Nature Communications, 2023, 14, .	12.8	4
6771	Data-Driven Quantitation of Movement Abnormality after Stroke. Bioengineering, 2023, 10, 648.	3.5	1
6772	Development of hybrid computational data-intelligence model for flowing bottom-hole pressure of oil wells: New strategy for oil reservoir management and monitoring. Fuel, 2023, 350, 128623.	6.4	5
6774	The C-Band All-Sky Survey (C-BASS): new constraints on the integrated radio spectrum of Mâ‰31. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3471-3486.	4.4	3
6775	Lab-Scale Vibration Analysis Dataset and Baseline Methods for Machinery Fault Diagnosis with Machine Learning. Journal of Vibration Engineering and Technologies, 2024, 12, 1991-2001.	2.2	1
6776	A bioinformatics pipeline for a tick pathogen surveillance multiplex amplicon sequencing assay. Ticks and Tick-borne Diseases, 2023, 14, 102207.	2.7	2
6777	Epidemiological inference for emerging viruses using segregating sites. Nature Communications, 2023, 14, .	12.8	0
6778	pyTDGL: Time-dependent Ginzburg-Landau in Python. Computer Physics Communications, 2023, 291, 108799.	7.5	2
6779	Multi-dimensional Bayesian network classifiers for partial label ranking. International Journal of Approximate Reasoning, 2023, 160, 108950.	3.3	0
6780	Multi-objective Allocation Optimization of Soil Conservation Measures Under Data Uncertainty. Environmental Management, 2023, 72, 959-977.	2.7	0
6781	JAX-FEM: A differentiable GPU-accelerated 3D finite element solver for automatic inverse design and mechanistic data science. Computer Physics Communications, 2023, 291, 108802.	7.5	5
6782	Accelerating tests of general relativity with gravitational-wave signals using hybrid sampling. Physical Review D, 2023, 107, .	4.7	3
6783	Propagation of electrical signals by fungi. BioSystems, 2023, 229, 104933.	2.0	4

#	ARTICLE	IF	CITATIONS
6784	Concurrent decoding of distinct neurophysiological fingerprints of tremor and bradykinesia in Parkinson's disease. ELife, 0, 12, .	6.0	1
6785	On the Origin of the Split Main Sequences of the Young Massive Cluster NGC 1856. Astrophysical Journal, 2023, 949, 53.	4.5	2
6786	Being certain about uncertainties: a robust evaluation method for high-dose-rate prostate brachytherapy treatment plans including the combination of uncertainties. Physical and Engineering Sciences in Medicine, 2023, 46, 1115-1130.	2.4	4
6787	Optimizing Patient Record Linkage in a Master Patient Index Using Machine Learning: Algorithm Development and Validation. JMIR Formative Research, 0, 7, e44331.	1.4	0
6788	Quantifying uncertainties in general relativistic magnetohydrodynamic codes. Physical Review D, 2023, 107, .	4.7	1
6789	Multifrequency Microwave Imaging of Weak Transients from the Quiet Solar Corona. Astrophysical Journal, 2023, 949, 56.	4.5	2
6790	Host and viral determinants of airborne transmission of SARS-CoV-2 in the Syrian hamster. ELife, 0, 12, .	6.0	0
6791	Pulse height estimation and pulse shape discrimination in pile-up neutron and gamma ray signals from an organic scintillation detector using multi-task learning. Applied Radiation and Isotopes, 2023, 199, 110880.	1.5	1
6793	Inverse procedure for measuring piezoelectric material parameters using a single multi-electrode sample. Journal of Sensors and Sensor Systems, 2023, 12, 163-173.	0.9	0
6794	Unveiling "Sabatier principle" for electrocatalytic nitric oxide reduction on single cluster catalysts: A DFT and machine learning guideline. Chemical Engineering Journal, 2023, 468, 143823.	12.7	10
6795	Optimizing Tensor Programs on Flexible Storage. , 2023, 1, 1-27.		3
6796	Activity modulation of the Escherichia coli F1FO ATP synthase by a designed antimicrobial peptide via cardiolipin sequestering. IScience, 2023, 26, 107004.	4.1	1
6797	Compound flood events: analysing the joint occurrence of extreme river discharge events and storm surges in northern and central Europe. Natural Hazards and Earth System Sciences, 2023, 23, 1967-1985.	3.6	3
6798	Kernel Selection for Gaussian Process in Cosmology: With Approximate Bayesian Computation Rejection and Nested Sampling. Astrophysical Journal, Supplement Series, 2023, 266, 27.	7.7	4
6800	Task state representations in vmPFC mediate relevant and irrelevant value signals and their behavioral influence. Nature Communications, 2023, 14, .	12.8	5
6801	Nuclear export of pre-60S particles through the nuclear pore complex. Nature, 2023, 618, 411-418.	27.8	4
6802	Exploring Proxies for the Supermassive Black Hole Mass Function: Implications for Pulsar Timing Arrays. Astrophysical Journal Letters, 2023, 949, L24.	8.3	4
6803	Comparison of machine learning algorithms to predict dissolved oxygen in an urban stream. Environmental Science and Pollution Research, 2023, 30, 78075-78096.	5.3	5

#	ARTICLE	IF	CITATIONS
6804	Inferring the Progenitor Mass–Kinetic Energy Relation of Stripped-envelope Core-collapse Supernovae from Nebular Spectroscopy. Astrophysical Journal, 2023, 949, 93.	4.5	1
6805	Ultra-High-Resolution Optical Coherence Tomography for theinvestigation of thin multilayered pharmaceutical coatings. International Journal of Pharmaceutics, 2023, , 123096.	5.2	1
6806	Colorimetric Signal Readout for the Detection of Volatile Organic Compounds Using a Printable Glass-Based Dielectric Barrier Discharge-Type Helium Plasma Detector. ACS Measurement Science Au, 2023, 3, 287-300.	4.4	1
6807	Understanding the limits to short-range order suppression in many-component disordered rock salt lithium-ion cathode materials. Journal of Materials Chemistry A, 2023, 11, 13765-13773.	10.3	3
6808	Multimodal biometric authentication method by federated learning. Biomedical Signal Processing and Control, 2023, 85, 105022.	5.7	5
6809	CELEBI: The CRAFT Effortless Localisation and Enhanced Burst Inspection pipeline. Astronomy and Computing, 2023, 44, 100724.	1.7	6
6810	Anomaly Detection for Hydraulic Power Units—A Case Study. Future Internet, 2023, 15, 206.	3.8	1
6811	Detecting and counting coin using opencv and watershed algorithm. AIP Conference Proceedings, 2023, , .	0.4	0
6812	Influence of Media Composition on the Level of Bovine Satellite Cell Proliferation. Animals, 2023, 13, 1855.	2.3	2
6813	Lazarus stars: numerical investigations of stellar evolution with star-lifting as a life extension strategy. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3251-3257.	4.4	0
6814	Electronic specific heat capacities and entropies from density matrix quantum Monte Carlo using Gaussian process regression to find gradients of noisy data. Journal of Chemical Physics, 2023, 158, .	3.0	1
6815	Nondetection of Helium in the Hot Jupiter WASP-48b. Astronomical Journal, 2023, 165, 264.	4.7	3
6816	A deep multi-agent reinforcement learning approach to solve dynamic job shop scheduling problem. Computers and Operations Research, 2023, 159, 106294.	4.0	5
6817	pyCHARMM: Embedding CHARMM Functionality in a Python Framework. Journal of Chemical Theory and Computation, 2023, 19, 3752-3762.	5.3	5
6818	Which Physical Phenomena Determine the Ionization Potential of Liquid Water?. Journal of Physical Chemistry B, 2023, 127, 5470-5480.	2.6	1
6819	A thermal–kinetic subgrid model for supernova feedback in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3709-3731.	4.4	1
6824	Combining seeded region growing and k-nearest neighbours for the segmentation of routinely acquired spatio-temporal image data. International Journal of Computer Assisted Radiology and Surgery, 0, , .	2.8	0
6825	Towerpy: An open-source toolbox for processing polarimetric weather radar data. Environmental Modelling and Software, 2023, 167, 105746.	4.5	0

#	ARTICLE	IF	CITATIONS
6826	Changes within the P681 residue of spike dictate cell fusion and syncytia formation of Delta and Omicron variants of SARS-CoV-2 with no effects on neutralization or infectivity. Heliyon, 2023, 9, e16750.	3.2	1
6827	User-friendly analysis of droplet array images. Analytica Chimica Acta, 2023, 1272, 341397.	5.4	2
6828	Denoising Autoencoder Trained on Simulation-Derived Structures for Noise Reduction in Chromatin Scanning Transmission Electron Microscopy. ACS Central Science, 2023, 9, 1200-1212.	11.3	2
6829	Revisiting the Spectral Energy Correlations of GRBs with Fermi Data. I. Model-wise Properties. Astrophysical Journal, Supplement Series, 2023, 266, 31.	7.7	2
6830	Higher troponin T serum concentrations in hospital patients without diagnosed cardiac diseases compared to a population-based cohort. Clinical Chemistry and Laboratory Medicine, 2023, .	2.3	0
6831	Search for Gravitational Waves from Scorpius X-1 in LIGO O3 Data with Corrected Orbital Ephemeris. Astrophysical Journal, 2023, 949, 117.	4.5	1
6832	The Spin–Orbit Misalignment of TOI-1842b: The First Measurement of the Rossiter–McLaughlin Effect for a Warm Sub-Saturn around a Massive Star. Astrophysical Journal Letters, 2023, 949, L35.	8.3	5
6833	Stellar Cycles in Fully Convective Stars and a New Interpretation of Dynamo Evolution. Astrophysical Journal, 2023, 949, 51.	4.5	1
6834	Bioverse: A Comprehensive Assessment of the Capabilities of Extremely Large Telescopes to Probe Earth-like O_2 Levels in Nearby Transiting Habitable-zone Exoplanets. Astronomical Journal, 2023, 165, 267.	4.7	10
6836	Deep reinforcement learning for a multi-objective operation in a nuclear power plant. Nuclear Engineering and Technology, 2023, 55, 3277-3290.	2.3	3
6838	Impact of Jupyter Notebook as a tool to enhance the learning process in chemical engineering modules. Education for Chemical Engineers, 2023, 44, 155-163.	4.8	2
6839	Comparing the hardness of MAX 2-SAT problem instances for quantum and classical algorithms. Physical Review Research, 2023, 5, .	3.6	2
6841	Biotite: new tools for a versatile Python bioinformatics library. BMC Bioinformatics, 2023, 24, .	2.6	3
6842	U-Net CNN in APL: Exploring Zero-Framework, Zero-Library Machine Learning. , 2023, , .		1
6843	Towards Structured Algebraic Programming. , 2023, , .		0
6844	Dark-Field Chest Radiography Outperforms Conventional Chest Radiography for the Diagnosis and Staging of Pulmonary Emphysema. Investigative Radiology, 2023, 58, 775-781.	6.2	1
6845	Approximate simulation of cortical microtubule models using dynamical graph grammars. Physical Biology, 0, , .	1.8	0
6847	Reduced terrestrial evaporation increases atmospheric water vapor by generating cloud feedbacks. Environmental Research Letters, 2023, 18, 074021.	5.2	1

#	Article	IF	Citations
6849	Near infrared background with 1.2-m telescope at Mount Abu. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	0
6850	Prompt Detection of Fast Optical Bursts with the Vera C. Rubin Observatory. Astrophysical Journal, 2023, 950, 21.	4.5	2
6851	Magnetic Braking with MESA Evolutionary Models in the Single Star and Low-mass X-Ray Binary Regimes. Astrophysical Journal, 2023, 950, 27.	4.5	4
6852	Extension of HOPS out to 500 pc (eHOPS). I. Identification and Modeling of Protostars in the Aquila Molecular Clouds*. Astrophysical Journal, Supplement Series, 2023, 266, 32.	7.7	3
6853	Theoretical analysis of thermal spikes during ion bombardment of amorphous silicon nitride surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2023, 41, .	2.1	3
6854	Simplifying non-contiguous data transfer with MPI for Python. Journal of Supercomputing, 0, , .	3.6	0
6855	Control-oriented meta-learning. International Journal of Robotics Research, 2023, 42, 777-797.	8.5	4
6856	hyperbox-brain: A Python toolbox for hyperbox-based machine learning algorithms. SoftwareX, 2023, 23, 101425.	2.6	0
6857	EODIE â€" Earth Observation Data Information Extractor. SoftwareX, 2023, 23, 101421.	2.6	0
6858	Comparative Study of Molecular Mechanics Force Fields for Î²-Peptidic Foldamers: Folding and Self-Association. Journal of Chemical Information and Modeling, 2023, 63, 3799-3813.	5.4	1
6859	Mitigating DoS Attack in MANETs Considering Node Reputation with AI. Journal of Network and Systems Management, 2023, 31, .	4.9	0
6860	Effects of multiphase gas and projection on X-ray observables in simulated galaxy clusters as seen by eROSITA. Astronomy and Astrophysics, 2023, 675, A150.	5.1	3
6862	A parallel and serial denoising network. Expert Systems With Applications, 2023, 231, 120628.	7.6	2
6863	The Alcockâ€"PaczyÅ„ski effect from Lyman-<i>Î±</i> forest correlations: analysis validation with synthetic data. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3773-3790.	4.4	4
6864	Tackling Hysteresis in Conformational Sampling: How to Be Forgetful with MEMENTO. Journal of Chemical Theory and Computation, 2023, 19, 3705-3720.	5.3	2
6865	Evolutionary Echo State Network: A neuroevolutionary framework for time series prediction. Applied Soft Computing Journal, 2023, 144, 110463.	7.2	2
6866	Analysis and evaluation of steady-state and non-steady-state preserving operator splitting schemes for reaction-diffusion(-advection) problems. Combustion and Flame, 2023, 255, 112881.	5.2	0
6867	TOI-4010: A System of Three Large Short-period Planets with a Massive Long-period Companion. Astronomical Journal, 2023, 166, 7.	4.7	1

#	Article	IF	Citations
6868	Lifelong Machine Learning Potentials. Journal of Chemical Theory and Computation, 2023, 19, 3509-3525.	5.3	4
6869	Discerning media bias within a network of political allies and opponents: Disruption by partisans. Physica A: Statistical Mechanics and Its Applications, 2023, 624, 128958.	2.6	0
6870	Flaring latitudes in ensembles of low-mass stars. Monthly Notices of the Royal Astronomical Society, 2023, 523, 4326-4339.	4.4	0
6871	Embracing Uncertainty to Resolve Polar Wander: A Case Study of Cenozoic North America. Geophysical Research Letters, 2023, 50, .	4.0	3
6872	High-z galaxies with JWST and local analogues â€" it is not only star formation. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2087-2106.	4.4	19
6873	Plate bending earthquakes and the strength distribution of the lithosphere. Geophysical Journal International, 2023, 235, 488-508.	2.4	1
6874	An Object-Oriented Approach to Tracking Particles in a Flow. , 2023, , .		1
6876	Genome-resolved carbon processing potential of tropical peat microbiomes from an oil palm plantation. Scientific Data, 2023, 10, .	5.3	0
6877	Response of Atlantic salmon in flexible sea cages to waves and currents: Measurements at farm-level and modeling. Applied Ocean Research, 2023, 138, 103599.	4.1	0
6879	Essential PoseSLAM: An Efficient Landmark-Free Approach to Visual-Inertial Navigation. , 2023, , .		0
6880	Allometry of Escherichia coli surface area with volume: effect of size variability, filamentation and division dynamics. Physical Biology, 2023, 20, 046007.	1.8	0
6881	Protein length distribution is remarkably uniform across the tree of life. Genome Biology, 2023, 24, .	8.8	4
6882	Hydra I: An extensible multi-source-finder comparison and cataloguing tool. Publications of the Astronomical Society of Australia, 0, , 1-27.	3.4	0
6884	Unbalanced Web Phishing Classification through Deep Reinforcement Learning. Computers, 2023, 12, 118.	3.3	2
6885	Model Order Reduction of Microactuators: Theory and Application. Actuators, 2023, 12, 235.	2.3	1
6886	Large-scale encoding of emotion concepts becomes increasingly similar between individuals from childhood to adolescence. Nature Neuroscience, 2023, 26, 1256-1266.	14.8	7
6887	Centromere/kinetochore is assembled through CENP-C oligomerization. Molecular Cell, 2023, 83, 2188-2205.e13.	9.7	7
6888	Wellbeing Forecasting in Postpartum Anemia Patients. Healthcare (Switzerland), 2023, 11, 1694.	2.0	0

#	ARTICLE	IF	CITATIONS
6889	Radio variable and transient sources on minute time-scales in the ASKAP pilot surveys. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5661-5680.	4.4	2
6890	COOL-LAMPS. IV. A Sample of Bright Strongly Lensed Galaxies at 3 < z < 4. Astrophysical Journal, 2023, 950, 58.	4.5	1
6891	Anterograde Collisional Analysis of Solar Wind Ions. Astrophysical Journal, 2023, 950, 51.	4.5	2
6893	Compact object mergers: exploring uncertainties from stellar and binary evolution with <scp>sevn</scp>. Monthly Notices of the Royal Astronomical Society, 2023, 524, 426-470.	4.4	19
6894	Carbon-enhanced metal-poor star candidates from BP/RP spectra in <i>Gaia</i> DR3. Monthly Notices of the Royal Astronomical Society, 2023, 523, 4049-4066.	4.4	4
6897	The Z Camelopardalis-type Star AY Piscium: Stellar and Accretion Disk Parameters. Astrophysical Journal, 2023, 950, 47.	4.5	0
6898	Mechanisms of human dynamic object recognition revealed by sequential deep neural networks. PLoS Computational Biology, 2023, 19, e1011169.	3.2	2
6899	Co-translational binding of importins to nascent proteins. Nature Communications, 2023, 14, .	12.8	9
6900	Dosiomics-Based Prediction of Radiation-Induced Valvulopathy after Childhood Cancer. Cancers, 2023, 15, 3107.	3.7	0
6901	Dust Eddington ratios for star-forming galaxy subregions. Monthly Notices of the Royal Astronomical Society, 2023, 523, 4309-4325.	4.4	1
6902	<i>TESS</i> spots a mini-neptune interior to a hot saturn in the TOI-2000 system. Monthly Notices of the Royal Astronomical Society, 2023, 524, 1113-1138.	4.4	2
6903	ALMA Observation of a z ≳ 10 Galaxy Candidate Discovered with JWST. Astrophysical Journal, 2023, 950, 61.	4.5	3
6904	AutoML â€" Optimal K Procedure. , 2022, , .		0
6905	Solar mean magnetic field of the chromosphere. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	0
6906	Using Continuous Output Neural Nets to Estimate Pasture Biomass from Digital Photographs in Grazing Lands. AgriEngineering, 2023, 5, 1051-1067.	3.2	0
6907	Measurement of the diffuse field sound absorption using a sound field synthesis method. Acta Acustica, 2023, 7, 26.	1.0	0
6908	Inputâ€"Output Global Hybrid Analysis of Agricultural Primary Production (IO-GHAAPP) Database. Sustainability, 2023, 15, 9351.	3.2	0
6909	The massive relic galaxy NGC 1277 is dark matter deficient. Astronomy and Astrophysics, 2023, 675, A143.	5.1	16

#	Article	IF	Citations
6910	Quantifying drift-selection balance using an agent-based biofilm model of identical heterotrophs under low-nutrient conditions. Interface Focus, 2023, 13, .	3.0	1
6911	Are the Gas-Phase Structures of Molecular Elephants Enduring or Ephemeral? Results from Time-Dependent, Tandem Ion Mobility. Analytical Chemistry, 2023, 95, 9589-9597.	6.5	3
6912	In-flight radiometric calibration of the Metis Visible Light channel using stars and comparison with STEREO-A/COR2 data. Astronomy and Astrophysics, 0, , .	5.1	2
6914	ESPResSo, a Versatile Open-Source Software Package for Simulating Soft Matter Systems. , 2024, , 578-601.		1
6916	QPOML: A machine learning approach to detect and characterize quasi-periodic oscillations in X-ray binaries. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
6918	Model-parallel Fourier neural operators as learned surrogates for large-scale parametric PDEs. Computers and Geosciences, 2023, 178, 105402.	4.2	6
6919	An Almost FLRW Universe as an Averaged Geometry in Macroscopic Gravity. Gravitation and Cosmology, 2023, 29, 110-120.	1.1	0
6920	Generalized precursor prediction boosts identification rates and accuracy in mass spectrometry based proteomics. Communications Biology, 2023, 6, .	4.4	5
6921	Outflow densities and ionization mechanisms in the NLRs of the prototypical Seyfert galaxies NGC 1068 and NGC 4151. Monthly Notices of the Royal Astronomical Society, 2023, 524, 886-905.	4.4	3
6922	Wide binaries demonstrate the consistency of rotational evolution between open cluster and field stars. Astronomy and Astrophysics, 2023, 675, A180.	5.1	2
6923	The gas morphology of nearby star-forming galaxies. Astronomy and Astrophysics, 2023, 676, A113.	5.1	6
6924	Soil moisture retrieval from Sentinel-1 using a first-order radiative transfer model—A case-study over the Po-Valley. Remote Sensing of Environment, 2023, 295, 113651.	11.0	8
6926	Enhanced small-scale structure in the cosmic dark ages. Physical Review D, 2023, 107, .	4.7	1
6927	Dense Molecular Gas Properties of the Central Kiloparsec of Nearby Ultraluminous Infrared Galaxies Constrained by ALMA Three Transition-line Observations. Astrophysical Journal, 2023, 950, 75.	4.5	3
6928	UBE2C expression is elevated in hepatoblastoma and correlates with inferior patient survival. Frontiers in Genetics, 0, 14, .	2.3	2
6929	A moment-matching metric for latent variable generative models. Machine Learning, 0, , .	5.4	0
6930	EIGER. I. A Large Sample of [O iii]-emitting Galaxies at 5.3 < z < 6.9 and Direct Evidence for Local Reionization by Galaxies. Astrophysical Journal, 2023, 950, 66.	4.5	28
6931	New Observations of Solar Wind 1/f Turbulence Spectrum from Parker Solar Probe. Astrophysical Journal Letters, 2023, 950, L8.	8.3	5

#	ARTICLE	IF	CITATIONS
6932	Full-scale network analysis reveals properties of the FV protein structure organization. Scientific Reports, 2023, 13, .	3.3	0
6934	Mid-to-late M Dwarfs Lack Jupiter Analogs. Astronomical Journal, 2023, 166, 11.	4.7	7
6935	Computing Solution Space Properties of Combinatorial Optimization Problems Via Generic Tensor Networks. SIAM Journal of Scientific Computing, 2023, 45, A1239-A1270.	2.8	4
6937	Gap opening in protoplanetary discs: gas dynamics from global axisymmetric non-ideal MHD simulations with consistent thermochemistry. Monthly Notices of the Royal Astronomical Society, 2023, 523, 4883-4894.	4.4	2
6938	A Shallow-water Model Exploration of Atmospheric Circulation on Sub-Neptunes: Effects of Radiative Forcing and Rotation Period. Planetary Science Journal, 2023, 4, 106.	3.6	1
6939	EIGER. III. JWST/NIRCam Observations of the Ultraluminous High-redshift Quasar J0100+2802. Astrophysical Journal, 2023, 950, 68.	4.5	16
6940	Development of an amplicon-based sequencing approach in response to the global emergence of mpox. PLoS Biology, 2023, 21, e3002151.	5.6	8
6941	Automated SpectroPhotometric Image REDuction (ASPIRED). Astronomical Journal, 2023, 166, 13.	4.7	3
6942	Alternative methods for semi-automatic clusterization and extraction of discontinuity sets from 3D point clouds. Earth Science Informatics, 0, , .	3.2	1
6943	Investigating galactic double white dwarfs for the sub-mHz gravitational wave mission ASTROD-GW. Physical Review D, 2023, 107, .	4.7	3
6944	Modeling Crustal Structure in the Permian Basin by Waveform‐Matching P Receiver Functions and Autocorrelograms With Particle Swarm Optimization. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	0
6945	A Generalist, Automated ALFALFA Baryonic Tully–Fisher Relation. Astrophysical Journal, 2023, 950, 87.	4.5	2
6946	Distance of PSR B0458+46 indicated by <i>FAST</i> H‰<scp>i</scp> absorption observations. Monthly Notices of the Royal Astronomical Society, 2023, 523, 4949-4956.	4.4	1
6947	A light-weight natural scene text detection and recognition system. Multimedia Tools and Applications, 2024, 83, 6651-6683.	3.9	2
6948	Cosmic census: Relative distributions of dark matter, galaxies, and diffuse gas. Astronomy and Astrophysics, 0, , .	5.1	0
6949	A Variational Ansatz for Taylorized Imaginary Time Evolution. ACS Omega, 2023, 8, 22596-22602.	3.5	0
6950	MultiCAM: A multivariable framework for connecting the mass accretion history of haloes with their properties. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
6951	Parameter estimation of LAMOST Medium-Resolution Stellar Spectra. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5230-5247.	4.4	1

#	Article	IF	Citations
6952	External Validation and Retraining of DeepBleed: The First Open-Source 3D Deep Learning Network for the Segmentation of Spontaneous Intracerebral and Intraventricular Hemorrhage. Journal of Clinical Medicine, 2023, 12, 4005.	2.4	1
6953	stimupy: A Python package for creating stimuli in vision science. Journal of Open Source Software, 2023, 8, 5321.	4.6	0
6954	Shedding New Light on Weak Emission-line Quasars in the C ivâ€"HÎ² Parameter Space. Astrophysical Journal, 2023, 950, 97.	4.5	2
6955	Awesome SOSS: transmission spectroscopy of WASP-96b with NIRISS/SOSS. Monthly Notices of the Royal Astronomical Society, 2023, 524, 835-856.	4.4	10
6956	Spiral-wave-driven accretion in quiescent dwarf novÃ¦. Astronomy and Astrophysics, 0, , .	5.1	0
6957	Star-crossed Lovers DI Tau A and B: Orbit Characterization and Physical Properties Determination. Astrophysical Journal, 2023, 950, 92.	4.5	0
6958	Model-independent periodogram for scanning astrometry. Astronomy and Astrophysics, 0, , .	5.1	0
6959	Culturing of a complex gut microbial community in mucin-hydrogel carriers reveals strain- and gene-associated spatial organization. Nature Communications, 2023, 14, .	12.8	6
6961	Apertif 1.4 GHz continuum observations of the BoÃ¶tes field and their combined view with LOFAR. Astronomy and Astrophysics, 0, , .	5.1	1
6962	Deep Learning Imputation for Asymmetric and Incomplete Likert-Type Items. Journal of Educational and Behavioral Statistics, 2024, 49, 241-267.	1.7	0
6963	In silico characterisation of minor wave genes and LINE-1s transcriptional dynamics at murine zygotic genome activation. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	0
6964	LabelVizier: Interactive Validation and Relabeling for Technical Text Annotations. , 2023, , .		2
6965	X-ray Thomson scattering spectra from density functional theory molecular dynamics simulations based on a modified Chihara formula. Physical Review E, 2023, 107, .	2.1	3
6966	Pulsar Double Lensing Sheds Light on the Origin of Extreme Scattering Events. Astrophysical Journal, 2023, 950, 109.	4.5	4
6968	Inter-Core Crosstalk-Aware Backup Network Design Model against Probabilistic Link Failures in Multi-Core Fiber Optical Path Network. IEICE Transactions on Communications, 2023, E106.B, 1109-1121.	0.7	0
6969	Topological data analysis reveals differences between simulated galaxies and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5738-5747.	4.4	0
6970	Time-resolved spectral catalogue of INTEGRAL/SPI gamma-ray bursts. Astronomy and Astrophysics, 0, , .	5.1	0
6971	Inverse design of viral infectivity-enhancing peptide fibrils from continuous protein-vector embeddings. Biomaterials Science, 2023, 11, 5251-5261.	5.4	5

#	Article	IF	Citations
6972	Vanadium oxide and a sharp onset of cold-trapping on a giant exoplanet. Nature, 2023, 619, 491-494.	27.8	9
6973	Active Stars in the Spectroscopic Survey of Mid-to-late M Dwarfs within 15 pc. Astronomical Journal, 2023, 166, 16.	4.7	1
6974	Enabling the ActiGraph GT9X Linkâ€™s Idle Sleep Mode and Inertial Measurement Unit Settings Directly Impacts Data Acquisition. Sensors, 2023, 23, 5558.	3.8	0
6975	Rapid quantification of the adulteration of pomegranate juices by Raman spectroscopy and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 302, 123014.	3.9	2
6976	FE-aided Kalman Filter for nonlinear state estimation with unknown input. Mechanical Systems and Signal Processing, 2023, 200, 110513.	8.0	0
6977	Formation, Structure, and Detectability of the Geminids Meteoroid Stream. Planetary Science Journal, 2023, 4, 109.	3.6	1
6978	Comparative Study of the Attitudes and Perceptions of University Students in Business Administration and Management and in Education toward Artificial Intelligence. Education Sciences, 2023, 13, 609.	2.6	3
6979	The role of baryons in self-interacting dark matter mergers. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
6980	Using classifiers to understand coarse-grained models and their fidelity with the underlying all-atom systems. Journal of Chemical Physics, 2023, 158, .	3.0	0
6981	Detailed investigation of multi-scale fracture networks in glacially abraded crystalline bedrock at Ã…land Islands, Finland. Solid Earth, 2023, 14, 603-624.	2.8	0
6982	MLAAPDE: A Machine Learning Dataset for Determining Global Earthquake Source Parameters. Seismological Research Letters, 2023, 94, 2489-2499.	1.9	2
6983	A novel simplicial complex representation of social media texts: The case of Twitter. Chaos, Solitons and Fractals, 2023, 173, 113642.	5.1	1
6984	Stellar Parameters and Chemical Abundances Estimated from LAMOST-II DR8 MRS Based on Cycle-StarNet. Astrophysical Journal, Supplement Series, 2023, 266, 40.	7.7	1
6985	Can gravitational-wave memory help constrain binary black-hole parameters? A LISA case study. Physical Review D, 2023, 107, .	4.7	3
6986	The Physical Drivers and Observational Tracers of CO-to-H_2 Conversion Factor Variations in Nearby Barred Galaxy Centers. Astrophysical Journal, 2023, 950, 119.	4.5	8
6987	Simulating neutron stars with a flexible enthalpy-based equation of state parametrization in spectre. Physical Review D, 2023, 107, .	4.7	1
6988	OSSOS. XXVII. Population Estimates for Theoretically Stable Centaurs between Uranus and Neptune. Planetary Science Journal, 2023, 4, 110.	3.6	1
6989	Probing Accretion Physics with Gravitational Waves. Physical Review X, 2023, 13, .	8.9	8

#	ARTICLE	IF	CITATIONS
6990	Constraining the LyC escape fraction from LEGUS star clusters with SIGNALS HÂ<scp>ii</scp> region observations: A pilot study of NGC 628. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
6991	The deglaciation of Upernavik trough, West Greenland, and its Holocene sediment infill: processes and provenance. Boreas, 2023, 52, 314-340.	2.4	0
6992	Transactional Python for Durable Machine Learning: Vision, Challenges, and Feasibility. , 2023, , .		1
6993	YSE-PZ: A Transient Survey Management Platform that Empowers the Human-in-the-loop. Publications of the Astronomical Society of the Pacific, 2023, 135, 064501.	3.1	11
6994	Measuring the Cosmic X-Ray Background in 3â€"20 KeV with Stray Light from NuSTAR. Astronomical Journal, 2023, 166, 20.	4.7	2
6995	Giant Planet Engulfment by Evolved Giant Stars: Light Curves, Asteroseismology, and Survivability. Astrophysical Journal, 2023, 950, 128.	4.5	5
6996	Interpretable deep learning to uncover the molecular binding patterns determining TCRâ€"epitope interaction predictions. ImmunoInformatics, 2023, 11, 100027.	2.2	2
6997	Contingency ranking method for voltage security assessment based on critical eigenvalue trajectory. Electric Power Systems Research, 2023, 223, 109531.	3.6	1
6998	Possible Counterpart Signal of the Fermi Bubbles at the Cosmic-Ray Positrons. Astrophysical Journal, 2023, 950, 120.	4.5	0
6999	No Surviving SN Ia Companion in SNR 0509-67.5: Stellar Population Characterization and Comparison to Models. Astrophysical Journal Letters, 2023, 950, L10.	8.3	2
7001	Metal hydride composition-derived parameters as machine learning features for material design and H2 storage. Journal of Energy Storage, 2023, 70, 107980.	8.1	2
7002	Cell shape characterization, alignment, and comparison using FlowShape. Bioinformatics, 2023, 39, .	4.1	0
7003	Reconnection-Powered Fast Radio Transients from Coalescing Neutron Star Binaries. Physical Review Letters, 2023, 130, .	7.8	5
7005	Exploring the nonstationarity of coastal sea level probability distributions. , 2023, 2, .		0
7006	Glass hardness: Predicting composition and load effects via symbolic reasoning-informed machine learning. Acta Materialia, 2023, 255, 119046.	7.9	5
7007	Enabling new interactions with library digital collections: automatic gender recognition in historical postcards via deep learning. Journal of Academic Librarianship, 2023, 49, 102736.	2.3	0
7008	SCING: Inference of robust, interpretable gene regulatory networks from single cell and spatial transcriptomics. IScience, 2023, 26, 107124.	4.1	2
7009	Subarcminute Localization of 13 Repeating Fast Radio Bursts Detected by CHIME/FRB. Astrophysical Journal, 2023, 950, 134.	4.5	6

#	Article	IF	Citations
7010	PPDONet: Deep Operator Networks for Fast Prediction of Steady-state Solutions in Disk–Planet Systems. Astrophysical Journal Letters, 2023, 950, L12.	8.3	0
7011	Multi-epoch machine learning 2: identifying physical drivers of galaxy properties in simulations. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5583-5597.	4.4	0
7013	Broad-emission-line dominated hydrogen-rich luminous supernovae. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5315-5340.	4.4	0
7014	Temperature–chemistry coupling in the evolution of gas giant atmospheres driven by stellar flares. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5681-5702.	4.4	0
7016	Analyzing Programming Competency: A Student Perspective in Python Programming. , 2023, , .		0
7017	A Self-Supervised Learning Approach for Accelerating Wireless Network Optimization. IEEE Transactions on Vehicular Technology, 2023, 72, 8074-8087.	6.3	2
7018	Enterosignatures define common bacterial guilds in the human gut microbiome. Cell Host and Microbe, 2023, 31, 1111-1125.e6.	11.0	14
7019	A Deletion Algorithm for the Marginal Problem in Propositional Logic Based on Boolean Arrays. Mathematics, 2023, 11, 2748.	2.2	0
7020	No thick carbon dioxide atmosphere on the rocky exoplanet TRAPPIST-1‰c. Nature, 2023, 620, 746-749.	27.8	25
7021	Modelling and Synthesis of the Wistar rat Electrocardiogram. Journal of Biological Systems, 0, , .	1.4	0
7022	Some Design Considerations in Passive Indoor Positioning Systems. Sensors, 2023, 23, 5684.	3.8	0
7023	Constraining interacting dark energy models with the halo concentration–mass relation. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5962-5971.	4.4	3
7024	A detailed look at the thermal and nonthermal X-ray emission from the Vela supernova remnant with SRG/eROSITA. Astronomy and Astrophysics, 2023, 676, A68.	5.1	2
7025	Feature reduction for hand gesture classification: Sparse coding approach. , 2023, , .		0
7027	A GPU-Accelerated Particle Advection Methodology for 3D Lagrangian Coherent Structures in High-Speed Turbulent Boundary Layers. Energies, 2023, 16, 4800.	3.1	1
7028	Discovering New B[e] Supergiants and Candidate Luminous Blue Variables in Nearby Galaxies. Galaxies, 2023, 11, 79.	3.0	0
7029	A retrospective textual analysis of sexual and reproductive health counseling for adolescent and young adult people with epilepsy of gestational capacity. Epilepsy and Behavior, 2023, 145, 109321.	1.7	2
7030	Oncogenic Ras deregulates cell-substrate interactions during mitotic rounding and respreading to alter cell division orientation. Current Biology, 2023, , .	3.9	0

#	Article	IF	Citations
7031	A framework for structural shape optimization based on automatic differentiation, the adjoint method and accelerated linear algebra. Structural and Multidisciplinary Optimization, 2023, 66, .	3.5	0
7032	Updates to the DScribe library: New descriptors and derivatives. Journal of Chemical Physics, 2023, 158, .	3.0	6
7033	A holistic approach towards a generalizable machine learning predictor of cell penetrating peptides. Australian Journal of Chemistry, 2023, , .	0.9	1
7034	Stochastic gravitational wave background from supernovae in massive scalar-tensor gravity. Physical Review D, 2023, 107, .	4.7	1
7035	Can root systems redistribute soil water to mitigate the effects of drought?. Field Crops Research, 2023, 300, 109006.	5.1	5
7036	Fading AGNs in Poststarburst Galaxies. Astrophysical Journal, 2023, 950, 153.	4.5	3
7037	Inference of the optical depth to reionization tau from Planck CMB maps with convolutional neural networks. Astronomy and Astrophysics, 0, , .	5.1	0
7038	The Lively Accretion Disk in NGC 2992. III. Tentative Evidence of Rapid Ultrafast Outflow Variability. Astrophysical Journal, 2023, 950, 160.	4.5	1
7039	Munc13- and SNAP25-dependent molecular bridges play a key role in synaptic vesicle priming. Science Advances, 2023, 9, .	10.3	4
7040	Structural biology and public health response to biomedical threats. Structural Dynamics, 2023, 10, .	2.3	1
7041	Caenorhabditis elegans transfers across a gap under an electric field as dispersal behavior. Current Biology, 2023, 33, 2668-2677.e3.	3.9	4
7042	Deciphering Faint Gyrosynchrotron Emission from a Coronal Mass Ejection Using Spectropolarimetric Radio Imaging. Astrophysical Journal, 2023, 950, 164.	4.5	1
7043	Mining SQL Problem Solving Patterns using Advanced Sequence Processing Algorithms. , 2023, , .		3
7045	CAJAL enables analysis and integration of single-cell morphological data using metric geometry. Nature Communications, 2023, 14, .	12.8	3
7046	Optimizing the Cell Painting assay for image-based profiling. Nature Protocols, 2023, 18, 1981-2013.	12.0	16
7047	Sarracen: a Python package for analysis and visualization of smoothed particle hydrodynamics data. Journal of Open Source Software, 2023, 8, 5263.	4.6	3
7048	Validation of collaborative cyberspace virtual reality oculometry enhanced with near real-time spatial audio. Scientific Reports, 2023, 13, .	3.3	0
7049	NanoViromics: long-read sequencing of dsRNA for plant virus and viroid rapid detection. Frontiers in Microbiology, 0, 14, .	3.5	3

#	ARTICLE	IF	CITATIONS
7050	Constraints on the Intergalactic Magnetic Field Using Fermi-LAT and H.E.S.S. Blazar Observations. Astrophysical Journal Letters, 2023, 950, L16.	8.3	7
7051	BioAutoMATED: An end-to-end automated machine learning tool for explanation and design of biological sequences. Cell Systems, 2023, 14, 525-542.e9.	6.2	5
7052	PyVBMC: Efficient Bayesian inference in Python. Journal of Open Source Software, 2023, 8, 5428.	4.6	2
7053	Evapotranspiration regulates leaf temperature and respiration in dryland vegetation. Agricultural and Forest Meteorology, 2023, 339, 109560.	4.8	3
7054	A calibration point for stellar evolution from massive star asteroseismology. Nature Astronomy, 2023, 7, 913-930.	10.1	6
7055	Parameterized Asymmetric Neutral Hydrogen Disk Integrated Spectrum Characterization (PANDISC). I. Introduction to a Physically Motivated H i Model. Astrophysical Journal, 2023, 950, 163.	4.5	0
7056	IDEFIX: A versatile performance-portable Godunov code for astrophysical flows. Astronomy and Astrophysics, 2023, 677, A9.	5.1	3
7057	Measurement of the matter-radiation equality scale using the extended baryon oscillation spectroscopic survey quasar sample. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2463-2476.	4.4	2
7058	Taking School Instrumentation One Step Forward: A Do-It-Yourself Type Spectrophotometer and a Jupyter Notebook That Enable Real Time Spectroscopy during School Lessons. Journal of Chemical Education, 2023, 100, 2704-2712.	2.3	1
7059	Systematic Approach for the Test Data Generation and Validation of ISC/ESC Detection Methods. Batteries, 2023, 9, 339.	4.5	1
7060	Scene context automatically drives predictions of object transformations. Cognition, 2023, 238, 105521.	2.2	1
7061	Propagating Uncertainties in the SALT3 Model-training Process to Cosmological Constraints. Astrophysical Journal, Supplement Series, 2023, 267, 1.	7.7	1
7062	Improved detection statistics for non-Gaussian gravitational wave stochastic backgrounds. Physical Review D, 2023, 107, .	4.7	1
7063	Galaxy cluster rotation revealed in the MACSIS simulations with the kinetic Sunyaev–Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2262-2289.	4.4	3
7064	Endothermic self-interacting dark matter in Milky Way-like dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2023, 524, 288-306.	4.4	3
7065	Massive pre-main-sequence stars in M17. Astronomy and Astrophysics, 2023, 676, A122.	5.1	1
7066	Ionized gas kinematics and chemical abundances of low-mass star-forming galaxies at z â€†â€„ⅼâ€„â€†3. Astronomy and Astrophysics, 2023, 676, A53.	5.1	3
7067	Initial sizes of star clusters: implications for cluster dissolution during galaxy evolution. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0

#	ARTICLE	IF	CITATIONS
7068	Continental configuration controls the base-state water vapor greenhouse effect: lessons from half-land, half-water planets. Climate Dynamics, 0, , .	3.8	0
7069	Distinguishing Dark Matter Cusps from Cores Using Globular Clusters. Astrophysical Journal, 2023, 950, 178.	4.5	3
7070	A rapid method to quantify vein density in C_4 plants using starch staining. Plant, Cell and Environment, 0, , .	5.7	0
7071	An Experimental Comparison of Anomaly Detection Methods for Collaborative Robot Manipulators. IEEE Access, 2023, 11, 65834-65848.	4.2	0
7072	Adaptive synchrosqueezing wavelet transform for real-time applications. , 2023, , 104133.		1
7073	Astrometric Accelerations as Dynamical Beacons: A Giant Planet Imaged inside the Debris Disk of the Young Star AF Lep. Astrophysical Journal Letters, 2023, 950, L19.	8.3	6
7074	Geodesics to characterize the phylogenetic landscape. PLoS ONE, 2023, 18, e0287350.	2.5	0
7075	The Tiered Radio Extragalactic Continuum (T-RECS) simulation II: HÂ<scp>i</scp> emission and continuum-HÂ<scp>i</scp> cross-correlation.. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7076	Deep Synoptic Array Science: A Massive Elliptical Host Among Two Galaxy-cluster Fast Radio Bursts. Astrophysical Journal, 2023, 950, 175.	4.5	8
7077	Artificial Neural Network based approach to Diabetes Prediction using Pima Indians Diabetes Dataset. , 2023, , .		0
7078	Constant advance replicas method for locating minimum energy paths and transition states. Journal of Computational Chemistry, 2023, 44, 2042-2057.	3.3	0
7080	StarUnLink: identifying and mitigating signals from communication satellites in stellar spectral surveys. Monthly Notices of the Royal Astronomical Society, 2023, 524, 529-541.	4.4	1
7081	Automated contour extraction for lightâ€sheet microscopy images of zebrafish embryos based on object edge detection algorithm. Development Growth and Differentiation, 0, , .	1.5	0
7082	Atmospheres as windows into sub-Neptune interiors: coupled chemistry and structure of hydrogenâ€"silaneâ€"water envelopes. Monthly Notices of the Royal Astronomical Society, 2023, 524, 981-992.	4.4	6
7083	Chemogenomic library design strategies for precision oncology, applied to phenotypic profiling of glioblastoma patient cells. IScience, 2023, 26, 107209.	4.1	0
7084	The Cosmic Ultraviolet Baryon Survey (CUBS) â€" VI. Connecting physical properties of the cool circumgalactic medium to galaxies at <i>z</i> â‰ˆ 1. Monthly Notices of the Royal Astronomical Society, 2023, 524, 512-528.	4.4	4
7085	The TESS-Keck Survey. XV. Precise Properties of 108 TESS Planets and Their Host Stars. Astronomical Journal, 2023, 166, 33.	4.7	2
7087	Pixelated Reconstruction of Foreground Density and Background Surface Brightness in Gravitational Lensing Systems Using Recurrent Inference Machines. Astrophysical Journal, 2023, 951, 6.	4.5	1

#	ARTICLE	IF	CITATIONS
7088	On the Onset Delays of Solar Energetic Electrons and Protons: Evidence for a Common Accelerator. Astrophysical Journal, 2023, 951, 2.	4.5	0
7089	Geometry-induced dynamics of confined chiral active matter. Physical Review Research, 2023, 5, .	3.6	3
7090	Preliminary validation of a structural magnetic resonance imaging metric for tracking dementia-related neurodegeneration and future decline. NeuroImage: Clinical, 2023, 39, 103458.	2.7	0
7091	A dynamic biomimetic model of the membrane-bound CD4-CD3-TCR complex during pMHC disengagement. Biophysical Journal, 2023, 122, 3133-3145.	0.5	1
7092	Interstellar Polarization Survey. III. Relation between Optical Polarization and Reddening in the General Interstellar Medium. Astronomical Journal, 2023, 166, 34.	4.7	2
7093	A contamination focused approach for optimizing the single-cell RNA-seq experiment. IScience, 2023, 26, 107242.	4.1	2
7094	Dynamical He Flashes in Double White Dwarf Binaries. Astrophysical Journal, 2023, 951, 28.	4.5	2
7095	Inner Planetary System Gap Complexity is a Predictor of Outer Giant Planets. Astronomical Journal, 2023, 166, 36.	4.7	1
7096	Image quality assessment using deep learning in high b-value diffusion-weighted breast MRI. Scientific Reports, 2023, 13, .	3.3	2
7097	The formation of merging black holes with masses beyond 30â€‰Mâ�Š™ at solar metallicity. Nature Astronomy, 2023, 7, 1090-1097.	10.1	5
7098	High-resolution simulations of LS 5039. Astronomy and Astrophysics, 0, , .	5.1	0
7099	A minimum assumption approach to MEG sensor array design. Physics in Medicine and Biology, 2023, 68, 175030.	3.0	3
7100	Precise measurements of self-absorbed rising reverse shock emission from gamma-ray burst 221009A. Nature Astronomy, 2023, 7, 986-995.	10.1	5
7101	A SPectroscopic Survey of Biased Halos in the Reionization Era (ASPIRE): JWST Reveals a Filamentary Structure around a z = 6.61 Quasar. Astrophysical Journal Letters, 2023, 951, L4.	8.3	12
7102	An automated approach for counting groups of flying animals applied to one of the world's largest bat colonies. Ecosphere, 2023, 14, .	2.2	2
7103	The Gravitational-wave Background Null Hypothesis: Characterizing Noise in Millisecond Pulsar Arrival Times with the Parkes Pulsar Timing Array. Astrophysical Journal Letters, 2023, 951, L7.	8.3	32
7104	A SPectroscopic Survey of Biased Halos in the Reionization Era (ASPIRE): A First Look at the Rest-frame Optical Spectra of z > 6.5 Quasars Using JWST. Astrophysical Journal Letters, 2023, 951, L5.	8.3	10
7105	Photometric variability of blue straggler stars in M67 with <i>TESS</i> and <i>K2</i>. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2

#	ARTICLE	IF	CITATIONS
7106	Stochastic motion and transcriptional dynamics of pairs of distal DNA loci on a compacted chromosome. Science, 2023, 380, 1357-1362.	12.6	19
7107	The Strength of the Sheared Magnetic Field in the Galacticâ€™s Circumnuclear Disk. Astronomical Journal, 2023, 166, 37.	4.7	3
7108	The NANOGrav 15 yr Data Set: Observations and Timing of 68 Millisecond Pulsars. Astrophysical Journal Letters, 2023, 951, L9.	8.3	63
7109	mTORC2â€"NDRG1â€"CDC42 axis couples fasting to mitochondrial fission. Nature Cell Biology, 2023, 25, 989-1003.	10.3	5
7110	The NANOGrav 15 yr Data Set: Evidence for a Gravitational-wave Background. Astrophysical Journal Letters, 2023, 951, L8.	8.3	232
7111	Investigating the Impact of Vertically Extended Coronae on X-Ray Reverberation Mapping. Astrophysical Journal, 2023, 951, 19.	4.5	3
7112	Tidal debris from omega centauri discovered with unsupervised machine learning. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7113	Scipion3: a workflow engine for cryo-electron microscopy image processing and structural biology. Biological Imaging, 0, , 1-22.	2.2	4
7114	Distant Echoes of the Milky Wayâ€™s Last Major Merger. Astrophysical Journal, 2023, 951, 26.	4.5	6
7115	Limitations and Biases in the Retrieval of the Polar Magnetic Field. I. The Role of the Magnetic Filling Factor in Milneâ€"Eddington Inversions of Simulated Hinode/SP Data. Astrophysical Journal, 2023, 951, 23.	4.5	2
7116	Search for an Isotropic Gravitational-wave Background with the Parkes Pulsar Timing Array. Astrophysical Journal Letters, 2023, 951, L6.	8.3	199
7117	Star cluster formation and feedback in different environments of a Milky Way-like galaxy. Monthly Notices of the Royal Astronomical Society, 2023, 524, 555-568.	4.4	3
7118	On the degree of dynamical packing in the kepler multi-planet systems. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7119	Purity-Targeted Prediction of the Cooling Profile in Layer Melt Crystallization via Thermal Approximation. Industrial & Engineering Chemistry Research, 2023, 62, 7152-7159.	3.7	0
7120	Bump Morphology of the CMAGIC Diagram. Astrophysical Journal, 2023, 948, 10.	4.5	1
7121	Magnetic field draping around clumpy high-velocity clouds in galactic halo. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4161-4180.	4.4	3
7122	The Effect of Automated Error Message Feedback on Undergraduate Physics Students Learning Python: Reducing Anxiety and Building Confidence. Journal for STEM Education Research, 0, , .	1.5	1
7123	Membership Analysis and 3D Kinematics of the Star-forming Complex around Trumpler 37 Using Gaia-DR3. Astrophysical Journal, 2023, 948, 7.	4.5	2

#	Article	IF	Citations
7124	The SDSS-V Black Hole Mapper Reverberation Mapping Project: Unusual Broad-line Variability in a Luminous Quasar. Astrophysical Journal, 2023, 948, 5.	4.5	1
7125	Applying a temporal systematics model to vector Apodizing Phase Plate coronagraphic data: TRAP4vAPP. Astronomy and Astrophysics, 2023, 674, A115.	5.1	0
7126	Enhancing power distribution network operational resilience to extreme wind events. Meteorological Applications, 2023, 30, .	2.1	3
7127	Morphoscanner2.0: A new python module for analysis of molecular dynamics simulations. PLoS ONE, 2023, 18, e0284307.	2.5	1
7128	X-rays CT andÂMesoscale FEM ofÂtheÂShot-Earth Material. Springer Tracts in Civil Engineering, 2023, , 25-44.	0.5	0
7129	SVD-based point cloud 3D stone by stone segmentation for cultural heritage structural analysis â€" The case of the Apollo Temple at Delphi. Journal of Cultural Heritage, 2023, 61, 177-187.	3.3	6
7130	Investigating the asymmetric chemistry in the disk around the young star HD 142527. Astronomy and Astrophysics, 2023, 675, A131.	5.1	5
7132	Digital Phenotypes of Instability and Fatigue Derived From Daily Standing Transitions in Persons With Multiple Sclerosis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 2279-2286.	4.9	0
7133	Comparison of Different Machine Learning Models for Modelling the Higher Heating Value of Biomass. Mathematics, 2023, 11, 2098.	2.2	3
7134	AI for shrubland identification and mapping. , 2023, , 295-316.		1
7135	A Framework for Frugal Supervised Learning with Incremental Neural Networks. Applied Sciences (Switzerland), 2023, 13, 5489.	2.5	0
7136	Preparing for solar and heliospheric science with the SKAO: An Indian perspective. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	2
7137	One-click bending stiffness: Robust and reliable automatic calculation of momentâ€"curvature relation in a cantilever bending test. Composites Part B: Engineering, 2023, 260, 110763.	12.0	1
7138	Fast Reconstruction of 3D Density Distribution around the Sun Based on the MAS by Deep Learning. Astrophysical Journal, 2023, 948, 21.	4.5	2
7139	The shared evaporation history of three sub-Neptunes spanning the radiusâ€"period valley of a hyades star. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4251-4264.	4.4	4
7140	Pricing Multiasset Derivatives by Variational Quantum Algorithms. IEEE Transactions on Quantum Engineering, 2023, 4, 1-17.	4.9	1
7141	Multimass modelling of Milky Way globular clusters â€" I. Implications on their stellar initial mass function above 1â€°MâŠ™. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5320-5339.	4.4	4
7142	Galaxy quenching time-scales from a forensic reconstruction of their colour evolution. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4481-4498.	4.4	3

#	ARTICLE	IF	CITATIONS
7143	Epidemiology and effects of sociodemographic factors on extrapulmonary tuberculosis in Ambala, India. Indian Journal of Tuberculosis, 2023, , .	0.7	0
7144	A comprehensive map of hotspots of *de novo* telomere addition in *Saccharomyces cerevisiae*. Genetics, 2023, 224, .	2.9	0
7145	Deciphering Alloy Composition in Superconducting Single-Layer $FeSe_{1-x}S_x$ on $SrTiO_3$(001) Substrates by Machine Learning of STM/S Data. ACS Applied Materials & Interfaces, 2023, 15, 22644-22650.	8.0	1
7146	Semantic reconstruction of continuous language from non-invasive brain recordings. Nature Neuroscience, 2023, 26, 858-866.	14.8	59
7147	Single-Atom Dopants in Plasmonic Nanocatalysts. Journal of Physical Chemistry C, 2023, 127, 8585-8590.	3.1	3
7150	Sensitivity of non-radiative cloud–wind interactions to the hydrodynamic solver. Monthly Notices of the Royal Astronomical Society, 2023, 523, 1280-1295.	4.4	3
7151	Solar System-scale Interferometry on Fast Radio Bursts Could Measure Cosmic Distances with Subpercent Precision. Astrophysical Journal Letters, 2023, 947, L23.	8.3	0
7152	On the benefits of self-taught learning for brain decoding. GigaScience, 2022, 12, .	6.4	0
7153	Counting Divisions of a $2 \times n$ Rectangular Grid. College Mathematics Journal, 2023, 54, 212-221.	0.1	0
7155	Photometric and Spectroscopic Observations of GRB 190106A: Emission from Reverse and Forward Shocks with Late-time Energy Injection. Astrophysical Journal, 2023, 948, 30.	4.5	3
7156	WISDOM project – XIV. SMBH mass in the early-type galaxies NGC‰0612, NGC‰1574, and NGC‰4261 from CO dynamical modelling. Monthly Notices of the Royal Astronomical Society, 2023, 522, 6170-6195.	4.4	7
7157	The wind farm as a sensor: learning and explaining orographic and plant-induced flow heterogeneities from operational data. Wind Energy Science, 2023, 8, 691-723.	3.3	0
7158	On the economics of rooftop solar PV adoption. Energy Policy, 2023, 178, 113611.	8.8	3
7159	TREXIO: A file format and library for quantum chemistry. Journal of Chemical Physics, 2023, 158, .	3.0	4
7160	CLEAR: Survey Overview, Data Analysis, and Products. Astrophysical Journal, Supplement Series, 2023, 266, 13.	7.7	6
7161	The impact of dust evolution on the dead zone outer edge in magnetized protoplanetary disks. Astronomy and Astrophysics, 2023, 674, A190.	5.1	2
7162	Investigation of metabolic pathways from gut microbiome analyses regarding type 2 diabetes mellitus using artificial neural networks. Discover Artificial Intelligence, 2023, 3, .	3.1	0
7163	Star Formation and Molecular Gas Diagnostics with Mid- and Far-infrared Emission. Astrophysical Journal, 2023, 948, 88.	4.5	4

#	Article	IF	Citations
7164	Safe Displacements Device for All Conditions Blind People. Electronics (Switzerland), 2023, 12, 2171.	3.1	0
7165	A High-Eccentricity Warm Jupiter Orbiting TOI-4127. Astronomical Journal, 2023, 165, 234.	4.7	2
7166	New framework to study unmodeled physics from gravitational wave data. Physical Review D, 2023, 107, .	4.7	1
7167	Thermal Bridges on Building Rooftops. Scientific Data, 2023, 10, .	5.3	1
7168	A Statistical Search for a Uniform Trigger Threshold in Solar Flares from Individual Active Regions. Astrophysical Journal, 2023, 948, 76.	4.5	2
7169	High Tide or Riptide on the Cosmic Shoreline? A Water-rich Atmosphere or Stellar Contamination for the Warm Super-Earth GJ 486b from JWST Observations. Astrophysical Journal Letters, 2023, 948, L11.	8.3	21
7170	Correcting gradient-based interpretations of deep neural networks for genomics. Genome Biology, 2023, 24, .	8.8	6
7171	Warm giant exoplanet characterisation: current state, challenges and outlook. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	1
7172	An unusually low-density super-Earth transiting the bright early-type M-dwarf GJ 1018 (TOI-244). Astronomy and Astrophysics, 2023, 675, A52.	5.1	3
7173	Quantitative proteomics and phosphoproteomics of urinary extracellular vesicles define putative diagnostic biosignatures for Parkinsonâ€™s disease. Communications Medicine, 2023, 3, .	4.2	12
7174	Contemporary and historical detection of small lakes using super resolution Landsat imagery: promise and peril. GIScience and Remote Sensing, 2023, 60, .	5.9	1
7175	Cosmological perturbation theory using generalized Einsteinâ€"de Sitter cosmologies. Physical Review D, 2023, 107, .	4.7	2
7176	Human adaptation to diverse biomes over the past 3 million years. Science, 2023, 380, 604-608.	12.6	11
7177	Transit Depth Variations Reveal TOI-216 b to be a Super-puff. Astronomical Journal, 2023, 165, 236.	4.7	1
7178	Total alkalinity measurement using an openâ€source platform. Limnology and Oceanography: Methods, 2023, 21, 334-344.	2.0	0
7179	Search of nearby resolved neutron stars among optical sources. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7180	Evidence of a Decreased Binary Fraction for Massive Stars within 20 milliparsecs of the Supermassive Black Hole at the Galactic Center. Astrophysical Journal, 2023, 948, 94.	4.5	3
7181	Combining the targeted and untargeted screening of environmental contaminants reveals associations between PFAS exposure and vitamin D metabolism in human plasma. Environmental Sciences: Processes and Impacts, 2023, 25, 1116-1130.	3.5	0

#	Article	IF	Citations
7182	OnTarget: *in silico* design of MiniPromoters for targeted delivery of expression. Nucleic Acids Research, 2023, 51, W379-W386.	14.5	2
7183	Functional diversity increases the resistance of a tritrophic food web to environmental changes. Theoretical Ecology, 2023, 16, 131-150.	1.0	0
7184	Rapid determination of *LISA* sensitivity to extreme mass ratio inspirals with machine learning. Monthly Notices of the Royal Astronomical Society, 2023, 522, 6043-6054.	4.4	4
7185	Antibody reliability influences observed mRNA–protein correlations in tumour samples. Life Science Alliance, 2023, 6, e202201885.	2.8	0
7186	The ALMA REBELS Survey: discovery of a massive, highly star-forming, and morphologically complex ULIRG at *z* = 7.31. Monthly Notices of the Royal Astronomical Society, 2023, 524, 1775-1795.	4.4	4
7187	JWST Reveals a Population of Ultrared, Flattened Galaxies at 2 ≲ z ≲ 6 Previously Missed by HST. Astrophysical Journal Letters, 2023, 948, L18.	8.3	22
7188	Cancer-cell-derived fumarate suppresses the anti-tumor capacity of CD8+ TÂcells in the tumor microenvironment. Cell Metabolism, 2023, 35, 961-978.e10.	16.2	15
7189	Constraints on the Cosmic Expansion Rate at Redshift 2.3 from the Lyman- α Forest. Physical Review Letters, 2023, 130, .	7.8	9
7190	SAJE: SATCOM Anti-Jam Exploration. , 2023, , .		0
7191	Hybrid cellular Potts and bead-spring modeling of cells in fibrous extracellular matrix. Biophysical Journal, 2023, 122, 2609-2622.	0.5	2
7192	Feature Analysis in High-Dimensional Data: Structure–Activity Relationships of Lewis Acid–Transition-Metal Complex-Catalyzed H_2 Activation. Journal of Physical Chemistry A, 2023, 127, 4375-4387.	2.5	2
7193	Cross-Language Call Graph Construction Supporting Different Host Languages. , 2023, , .		2
7194	The GRAVITY young stellar object survey. Astronomy and Astrophysics, 2023, 674, A203.	5.1	1
7195	A Flat-spectrum Radio Transient at 122 Mpc Consistent with an Emerging Pulsar Wind Nebula. Astrophysical Journal, 2023, 948, 119.	4.5	2
7196	Variability of Young Stellar Objects in the Perseus Molecular Cloud. Research in Astronomy and Astrophysics, 2023, 23, 075015.	1.7	2
7197	Contamination in TESS Light Curves: The Case of the Fast Yellow Pulsating Supergiants. Astronomical Journal, 2023, 165, 239.	4.7	7
7198	First detection of deuterated methylidyne (CD) in the interstellar medium. Astronomy and Astrophysics, 2023, 675, A69.	5.1	2
7199	Across atoms to crossing continents: Application of similarity measures to biological location data. PLoS ONE, 2023, 18, e0284736.	2.5	0

#	Article	IF	Citations
7200	Hotter than Expected: Hubble Space Telescope (HST)/WFC3 Phase-resolved Spectroscopy of a Rare Irradiated Brown Dwarf with Strong Internal Heat Flux. Astrophysical Journal, 2023, 948, 129.	4.5	0
7202	Rigid waist shift: A new method for local coupling corrections in the LHC interaction regions. Physical Review Accelerators and Beams, 2023, 26, .	1.6	0
7205	Predicting the local solidification time using spherical neural networks. IOP Conference Series: Materials Science and Engineering, 2023, 1281, 012037.	0.6	0
7206	Updated constraints on amplitude and tilt of the tensor primordial spectrum. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 062.	5.4	12
7207	183 GHz Water Megamasers in Active Galactic Nuclei: A New Accretion Disk Tracer. Astrophysical Journal, 2023, 948, 134.	4.5	5
7208	Sp(2N) Lattice Gauge Theories and Extensions of the Standard Model of Particle Physics. Universe, 2023, 9, 236.	2.5	2
7209	Tracking the Transition From a Gondwana LIP to the South Atlantic Ocean With Geochronological and Geochemical Indicators. Journal of Geophysical Research: Solid Earth, 2023, 128, .	3.4	0
7210	Constraints on the Epoch of Reionization with Roman Space Telescope and the Void Probability Function of LyÎ± Emitters. Astrophysical Journal, 2023, 949, 3.	4.5	0
7211	Feasibility of structure inversions for gravity-mode pulsators. Astronomy and Astrophysics, 2023, 675, A17.	5.1	5
7212	Predicting Biomass Yields of Advanced Switchgrass Cultivars for Bioenergy and Ecosystem Services Using Machine Learning. Energies, 2023, 16, 4168.	3.1	1
7213	Determination of small-scale magnetic fields on Sun-like stars in the near-infrared using CRIRES^{+}. Astronomy and Astrophysics, 2023, 675, A91.	5.1	1
7214	AI-Aided Search for New HIV-1 Protease Ligands. Biomolecules, 2023, 13, 858.	4.0	2
7215	Noise effects analysis on subspace-based damage detection with neural networks. Structures, 2023, 54, 23-37.	3.6	2
7216	Reinforcement-Learning-Based Robust Resource Management for Multi-Radio Systems. Sensors, 2023, 23, 4821.	3.8	0
7217	How do supernova remnants cool? â€" I. Morphology, optical emission lines, and shocks. Monthly Notices of the Royal Astronomical Society, 2023, 523, 1421-1440.	4.4	1
7219	Effects of Emerging Bipolar Magnetic Regions in Mean-field Dynamo Model of Solar Cycles 23 and 24. Astrophysical Journal, 2023, 949, 7.	4.5	5
7220	A Novel ML-Based Symbol Detection Pipeline for Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2023, 9, 207-216.	2.1	0
7221	Nanoscale simulation of the thylakoid membrane response to extreme temperatures. Plant, Cell and Environment, 2023, 46, 2419-2431.	5.7	2

#	Article	IF	Citations
7222	Predicting the COVIDâ€19 mortality among Iranian patients using treeâ€based models: A crossâ€sectional study. Health Science Reports, 2023, 6, .	1.5	0
7223	Fast neutrino flavor conversion in core-collapse supernovae: A parametric study in 1D models. Physical Review D, 2023, 107, .	4.7	18
7224	Dynamical Mass of the Young Brown Dwarf Companion PZ Tel B. Astronomical Journal, 2023, 165, 246.	4.7	2
7225	Kinematic analysis of the super-extended Hâ€I disk of the nearby spiral galaxy M 83. Astronomy and Astrophysics, 2023, 675, A37.	5.1	0
7226	A radio-jet-driven outflow in the Seyfert 2 galaxy NGC 2110?. Astronomy and Astrophysics, 2023, 675, A58.	5.1	2
7227	ACCT is a fast and accessible automatic cell counting tool using machine learning for 2D image segmentation. Scientific Reports, 2023, 13, .	3.3	1
7228	Observing Atmospheric Escape in Sub-Jovian Worlds with JWST. Astronomical Journal, 2023, 165, 244.	4.7	2
7229	Constraining the cosmic-ray pressure in the inner Virgo Cluster using H.E.S.S. observations of M 87. Astronomy and Astrophysics, 2023, 675, A138.	5.1	0
7230	The effectiveness of soil erosion measures for cropland in the Austrian Agri-environmental Programme: A national approach using local data. Agriculture, Ecosystems and Environment, 2023, 355, 108590.	5.3	5
7231	Magnetic excitations in the topological semimetal $YbMnSb_2$. Physical Review B, 2023, 107, .	3.2	1
7232	Evaluation of genetic demultiplexing of single-cell sequencing data from model species. Life Science Alliance, 2023, 6, e202301979.	2.8	0
7233	Development of VGG-16 transfer learning framework for geographical landmark recognition. Intelligent Decision Technologies, 2023, 17, 799-810.	0.9	1
7234	Availability, outage, and capacity of spatially correlated, Australasian free-space optical networks. Journal of Optical Communications and Networking, 2023, 15, 415.	4.8	1
7235	Local integrals of motion in quasiperiodic many-body localized systems. SciPost Physics, 2023, 14, .	4.9	4
7236	Tuning the Legacy Survey of Space and Time (LSST) Observing Strategy for Solar System Science. Astrophysical Journal, Supplement Series, 2023, 266, 22.	7.7	20
7237	The DESC stellarator code suite. Part 2. Perturbation and continuation methods. Journal of Plasma Physics, 2023, 89, .	2.1	4
7238	The Heâ€I 10 830 Ã… line: Radiative transfer and differential illumination effects. Astronomy and Astrophysics, 2023, 675, A45.	5.1	0
7239	Visual Center Biasing in a Stimulus-Free Laboratory Setting. , 2023, , .		0

#	Article	IF	Citations
7240	A parallel Python-based tool for meshing watershed rivers at continental scale. Environmental Modelling and Software, 2023, 166, 105731.	4.5	1
7242	The Salient360! Toolbox: Processing, Visualising and Comparing Gaze Data in 3D. , 2023, , .		1
7243	The Early Light Curve of the Type Ia Supernova 2021hpr in NGC 3147: Progenitor Constraints with the Companion Interaction Model. Astrophysical Journal, 2023, 949, 33.	4.5	3
7244	Awesome SOSS: atmospheric characterization of WASP-96â€‰b using the JWST early release observations. Monthly Notices of the Royal Astronomical Society, 2023, 524, 817-834.	4.4	5
7245	MultiSOM: Multi-layer Self Organizing Maps for local structure identification in crystalline structures. Computational Materials Science, 2023, 227, 112263.	3.0	3
7246	Hyper-parameter tuning and feature extraction for asynchronous action detection from sub-thalamic nucleus local field potentials. Frontiers in Human Neuroscience, 0, 17, .	2.0	0
7248	Comparative analysis of transcriptional changes in zebrafish cep290 and bbs2 mutants by RNA-seq reveals upregulation of inflammatory and stress-related pathways. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	2
7249	Neural network-based model for evaluating inert nodules and volume doubling time in T1 lung adenocarcinoma: a nested caseâˆ’control study. Frontiers in Oncology, 0, 13, .	2.8	0
7250	msmhelper: A Python package for Markov state modeling of protein dynamics. Journal of Open Source Software, 2023, 8, 5339.	4.6	2
7251	A novel microplate-based spectrophotometric method for the quantitative assessment of freshwater bacterial coaggregation kinetics. Biofouling, 2023, 39, 303-315.	2.2	0
7253	PyComplexHeatmap: A Python package to visualize multimodal genomics data. , 2023, 2, .		4
7254	Alomics: Exploring More of the Proteome Using Mass Spectral Libraries Extended by Artificial Intelligence. Journal of Proteome Research, 2023, 22, 2246-2255.	3.7	2
7255	Tormundâ€™s return: Hints of quasi-periodic eruption features from a recent optical tidal disruption event. Astronomy and Astrophysics, 2023, 675, A152.	5.1	3
7256	Cometary Activity on Quasi-Hilda Object 2018 CZ16. Research Notes of the AAS, 2023, 7, 106.	0.7	5
7257	<i>Time</i>SOAP: Tracking high-dimensional fluctuations in complex molecular systems via time variations of SOAP spectra. Journal of Chemical Physics, 2023, 158, .	3.0	4
7258	Prevalence of non-stationarity in quasi-periodic pulsations (QPPs) associated with M- and X-class solar flares. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3689-3698.	4.4	0
7259	Towards an automatic uncertainty compiler. International Journal of Approximate Reasoning, 2023, 160, 108951.	3.3	0
7260	Pure-rotational and rotational-vibrational Raman spectrum of the atmosphere at an altitude of 23 km. Physical Review Research, 2023, 5, .	3.6	1

#	Article	IF	Citations
7261	Warm Jupiters Beyond the Tidal Synchronization Limit may Exhibit a Wide Range of Secondary Eclipse Depths. Astronomical Journal, 2023, 165, 261.	4.7	0
7262	Proximity to refugee accommodations does not affect locals' attitudes toward refugees: evidence from Germany. European Sociological Review, 0, , .	2.3	0
7263	The Grassmann interpolation method for spin-unrestricted open-shell systems. Journal of Chemical Physics, 2023, 158, .	3.0	2
7264	Spontaneous and multifaceted <scp>ATP</scp> release from astrocytes at the scale of hundreds of synapses. Glia, 2023, 71, 2250-2265.	4.9	5
7266	Longitudinal wall motion during peristalsis and its effect on reflux. Journal of Fluid Mechanics, 2023, 964, .	3.4	3
7267	SAMPL is a high-throughput solution to study unconstrained vertical behavior in small animals. Cell Reports, 2023, 42, 112573.	6.4	7
7268	SCALib: A Side-Channel Analysis Library. Journal of Open Source Software, 2023, 8, 5196.	4.6	0
7269	Planetesimal Initial Mass Functions Following Diffusion-regulated Gravitational Collapse. Astrophysical Journal, 2023, 949, 81.	4.5	4
7270	Evaluation of a multi-staged bias correction approach on CHIRP and CHIRPS rainfall product: a case study of the Lake Hawassa watershed. Journal of Water and Climate Change, 2023, 14, 1847-1867.	2.9	2
7271	<i>mzapy</i>: An Open-Source Python Library Enabling Efficient Extraction and Processing of Ion Mobility Spectrometry-Mass Spectrometry Data in the MZA File Format. Analytical Chemistry, 2023, 95, 9428-9431.	6.5	1
7272	SNS-Toolbox: An Open Source Tool for Designing Synthetic Nervous Systems and Interfacing Them with Cyber–Physical Systems. Biomimetics, 2023, 8, 247.	3.3	1
7273	Radial-velocity discovery of a second planet in the TOI-1338/BEBOP-1 circumbinary system. Nature Astronomy, 2023, 7, 702-714.	10.1	15
7274	Extrapolating heterogeneous time-series gene expression data using Sagittarius. Nature Machine Intelligence, 2023, 5, 699-713.	16.0	0
7275	Analysis of Genome-Wide Mutational Dependence in Naturally Evolving <i>Mycobacterium tuberculosis</i> Populations. Molecular Biology and Evolution, 2023, 40, .	8.9	3
7276	Locality sensitive hashing via mechanical behavior. Extreme Mechanics Letters, 2023, 63, 102042.	4.1	0
7277	The Non-Axisymmetric Influence: Radius- and Angle-Dependent Trends in a Barred Galaxy. Monthly Notices of the Royal Astronomical Society, 2023, 524, 276-287.	4.4	1
7278	Growth or Decay – I: universality of the turbulent dynamo saturation. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3201-3214.	4.4	0
7279	A theory of mass transfer in binary stars. Monthly Notices of the Royal Astronomical Society, 2023, 524, 471-490.	4.4	1

#	Article	IF	Citations
7280	Modeling Human Encounter Situation Awareness Results Using Support Vector Machine Models. Applied Sciences (Switzerland), 2023, 13, 7521.	2.5	0
7281	MIA is an open-source standalone deep learning application for microscopic image analysis. Cell Reports Methods, 2023, 3, 100517.	2.9	3
7282	New Plastic Crack-Tip Opening Displacement Tool Based on Digital Image Correlation for Estimating the Fatigue-Crack-Growth Law on 316L Stainless Steel. Materials, 2023, 16, 4589.	2.9	1
7283	LenslessPiCam: A Hardware and Software Platform for Lensless Computational Imaging with a Raspberry Pi. Journal of Open Source Software, 2023, 8, 4747.	4.6	1
7284	Q-Facies: A tool for the quantitative interpretation of groundwater hydrochemical facies. SoftwareX, 2023, 23, 101450.	2.6	0
7285	Utilizing a tablet-based artificial intelligence system to assess movement disorders in a prospective study. Scientific Reports, 2023, 13, .	3.3	2
7286	Synthetic Population of Binary Cepheids. II. The Effect of Companion Light on the Extragalactic Distance Scale. Astrophysical Journal, 2023, 950, 182.	4.5	2
7287	An informationâ€theoretic approach to basisâ€set fitting of electron densities and other nonâ€negative functions. Journal of Computational Chemistry, 2023, 44, 1998-2015.	3.3	0
7288	A Comparison of Oak Leaf and Fescue Hay Infusion-Baited Gravid Trap Collectionsâ€"An Analysis *Steeped* in the Context of La Crosse Virus Vector Surveillance Effectiveness. Journal of the American Mosquito Control Association, 2023, 39, 138-141.	0.7	0
7289	Monte Carlo Tree Search and Convex Optimization for Decision Support in Beyond-Visual-Range Air Combat. , 2023, , .		0
7290	Change of boundary: towards a mathematical foundation of global gravity models. Journal of Geodesy, 2023, 97, .	3.6	0
7291	Simplifying asteroseismic analysis of solar-like oscillators: An application of principal component analysis for dimensionality reduction. Astronomy and Astrophysics, 0, , .	5.1	0
7292	Post-Newtonian-accurate pulsar timing array signals induced by inspiralling eccentric binaries: accuracy, computational cost, and single-pulsar search. Classical and Quantum Gravity, 2023, 40, 155014.	4.0	1
7293	Mitochondrial reactive oxygen species modify extracellular vesicles secretion rate. FASEB BioAdvances, 2023, 5, 355-366.	2.4	4
7294	Cone Penetration Test Prediction Based on Random Forest Models and Deep Neural Networks. Geotechnical and Geological Engineering, 0, , .	1.7	1
7295	ExplaiNN: interpretable and transparent neural networks for genomics. Genome Biology, 2023, 24, .	8.8	7
7296	CICIoT2023: A Real-Time Dataset and Benchmark for Large-Scale Attacks in IoT Environment. Sensors, 2023, 23, 5941.	3.8	22
7297	A *JWST*/NIRCam study of key contributors to reionization: the star-forming and ionizing properties of UV-faint *z* â¼ 7â^8 galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2312-2330.	4.4	41

#	ARTICLE	IF	CITATIONS
7298	Correlated Protein Modules Revealing Functional Coordination of Interacting Proteins Are Detected by Single-Cell Proteomics. Journal of Physical Chemistry B, 2023, 127, 6006-6014.	2.6	3
7299	Universal Machine-Learning Processing Pattern forÂComputing inÂtheÂVideo-Oculography. Lecture Notes in Computer Science, 2023, , 200-212.	1.3	1
7300	Complementary use of statistical parametric mapping and gait profile score to describe walking alterations in multiple sclerosis: a cross-sectional study. Scientific Reports, 2023, 13, .	3.3	1
7301	The oblateness of the Milky Way dark matter halo from the stellar streams of NGC 3201, M68, and Palomar 5. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2124-2147.	4.4	2
7302	Accelerating accurate simulations of calorimeter showers with normalizing flows and probability density distillation. Physical Review D, 2023, 107, .	4.7	11
7303	Cross–linking disulfide bonds govern solution structures of diabodies. Proteins: Structure, Function and Bioinformatics, 0, , .	2.6	1
7304	Fast and accurate simulations of calorimeter showers with normalizing flows. Physical Review D, 2023, 107, .	4.7	19
7305	Impact ofÂOrganizational Factors onÂAccident Prediction inÂtheÂRetail Sector. Lecture Notes in Computer Science, 2023, , 35-52.	1.3	0
7306	3D hybrid stochastic reconstruction of catalyst layers in proton exchange membrane fuel cells from 2D images. Energy, 2023, 281, 128200.	8.8	0
7307	Compiling Tensor Expressions intoÂEinsum. Lecture Notes in Computer Science, 2023, , 129-136.	1.3	0
7308	*Atoh1* drives the heterogeneity of the pontine nuclei neurons and promotes their differentiation. Science Advances, 2023, 9, .	10.3	1
7309	DSDP: A Blind Docking Strategy Accelerated by GPUs. Journal of Chemical Information and Modeling, 2023, 63, 4355-4363.	5.4	3
7311	Radio excess from stimulated dark matter decay. Physical Review D, 2023, 107, .	4.7	1
7312	Modelling national residential building exposure to flooding hazards. International Journal of Disaster Risk Reduction, 2023, 94, 103826.	3.9	0
7313	A topological data analysis based classifier. Advances in Data Analysis and Classification, 0, , .	1.4	0
7315	Short communications: an ear-attached accelerometer detects effects of regrouping on lying, rumination, and activity times in calves. Veterinary Research Communications, 0, , .	1.6	0
7316	Classifying Building Roof Damage Using High Resolution Imagery for Disaster Recovery. Photogrammetric Engineering and Remote Sensing, 2023, 89, 437-443.	0.6	0
7317	Contrasting Trends in Convective and Large–Scale Precipitation in the Intertropical Convergence Zone From Reanalysis Data Sets. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0

#	Article	IF	Citations
7318	A Novel Method for Solving Universum Twin Bounded Support Vector Machine in the Primal Space. Annals of Mathematics and Artificial Intelligence, 0, , .	1.3	0
7320	HALO7D. III. Chemical Abundances of Milky Way Halo Stars from Medium-resolution Spectra. Astrophysical Journal, 2023, 951, 43.	4.5	0
7321	WRAP: A wavelet-regularised reconstruction algorithm for magnetic vector electron tomography. Ultramicroscopy, 2023, 253, 113804.	1.9	1
7323	A dive into spectral inference networks: improved algorithms for self-supervised learning of continuous spectral representations. Applied Mathematics and Mechanics (English Edition), 2023, 44, 1199-1224.	3.6	1
7324	Detection of the cosmological time dilation of high-redshift quasars. Nature Astronomy, 2023, 7, 1265-1269.	10.1	2
7326	Utilization of creep ringing and bioinformatic modelling in study of cold denatured pea protein emulsions. Innovative Food Science and Emerging Technologies, 2023, 88, 103420.	5.6	2
7329	MacroConf â€" dataset & workflows to assess cyclic peptide solution structures. , 2023, 2, 1163-1177.		2
7331	The Role of Carbohydrate Intake on the Gut Microbiome: A Weight of Evidence Systematic Review. Microorganisms, 2023, 11, 1728.	3.6	3
7333	<tt>Astreaks</tt>: astrometry of NEOs with trailed background stars. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2651-2660.	4.4	1
7334	TribChem: A Software for the First-Principles, High-Throughput Study of Solid Interfaces and Their Tribological Properties. Journal of Chemical Theory and Computation, 0, , .	5.3	0
7335	Morphologies of Galaxies at z â‰³ 9 Uncovered by JWST/NIRCam Imaging: Cosmic Size Evolution and an Identification of an Extremely Compact Bright Galaxy at z âˆ¼ 12. Astrophysical Journal, 2023, 951, 72.	4.5	19
7336	CAGIRE: a wide-field NIR imager for the COLIBRI 1.3 meter robotic telescope. Experimental Astronomy, 0, , .	3.7	0
7337	The Use of Augmented Reality for the Management of Equipment Ageing with a Virtual Sensor. Applied Sciences (Switzerland), 2023, 13, 7843.	2.5	0
7338	Behavioral decomposition reveals rich encoding structure employed across neocortex in rats. Nature Communications, 2023, 14, .	12.8	6
7339	Homogeneous inhibition is optimal for the phase precession of place cells in the CA1 field. Journal of Computational Neuroscience, 2023, 51, 389-403.	1.0	0
7340	Empowering Scientific Computing and Data Manipulation With Numerical Python (NumPy). Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2023, , 147-161.	0.5	0
7341	Lightweight Integration of a Data Cache for Opportunistic Usage of HPC Resources in HEP Workflows. Computing and Software for Big Science, 2023, 7, .	2.9	0
7342	HiCognition: a visual exploration and hypothesis testing tool for 3D genomics. Genome Biology, 2023, 24, .	8.8	0

#	ARTICLE	IF	CITATIONS
7343	Lung Function in Patients with Cystic Fibrosis before and during <i>CFTR</i>-Modulator Therapy Using 3D Ultrashort Echo Time MRI. Radiology, 2023, 308, .	7.3	3
7344	Optimized reaction coordinates for analysis of enhanced sampling. Journal of Chemical Physics, 2023, 159, .	3.0	0
7345	The Total Oxidizable Precursor (TOP) Assay as a Forensic Tool for Per- and Polyfluoroalkyl Substances (PFAS) Source Apportionment. ACS ES&T Water, 2024, 4, 948-957.	4.6	5
7346	A Comprehensive Analysis of Stack and Queue Data Structures and Their Uses. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2023, , 76-101.	0.5	0
7347	Does Nature Allow the Formation of Ultra-compact Black Hole X-Ray Binaries via the Accretion-induced Collapse of Neutron Stars?. Astrophysical Journal, 2023, 951, 91.	4.5	2
7349	Knowledge Extraction From PV Power Generation With Deep Learning Autoencoder and Clustering-Based Algorithms. IEEE Access, 2023, 11, 69227-69240.	4.2	2
7350	Robust Data-driven Metallicities for 175 Million Stars from Gaia XP Spectra. Astrophysical Journal, Supplement Series, 2023, 267, 8.	7.7	19
7351	CoReCon: an open, community-powered collection of Reionization constraints. Journal of Open Source Software, 2023, 8, 5407.	4.6	0
7352	Identification of Inâ€‘droplet Multicellular Communities by Lightâ€‘induced Combinatorial DNA Barcoding. Chemistry - A European Journal, 0, , .	3.3	0
7353	Exploratory Data Analysis in Python. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2023, , 123-146.	0.5	0
7355	Natural statistics support a rational account of confidence biases. Nature Communications, 2023, 14, .	12.8	6
7356	The Impact of Cosmic Ray Injection on Magnetic Flux Tubes in a Galactic Disk. Astrophysical Journal, 2023, 951, 99.	4.5	0
7357	Seeking Self-regulating Simulations of Idealized Milky Wayâ€“like Galaxies. Astrophysical Journal, 2023, 951, 107.	4.5	1
7358	Stellar Characterization and Radius Inflation of Hyades M-dwarf Stars from the APOGEE Survey. Astrophysical Journal, 2023, 951, 90.	4.5	0
7359	On the trail of fluids in the northernmost intracontinental earthquake swarm areas of the Leipzig-Regensburg fault zone, Germany. Journal of Seismology, 0, , .	1.3	0
7360	A unified framework for machine learning collective variables for enhanced sampling simulations: <tt>mlcolvar</tt>. Journal of Chemical Physics, 2023, 159, .	3.0	9
7361	Chromatin expansion microscopy reveals nanoscale organization of transcription and chromatin. Science, 2023, 381, 92-100.	12.6	18
7362	The influence of water level hydrodynamics on potential changes in the morphology of a mountain reservoir shore zone. Catena, 2023, 231, 107363.	5.0	2

#	Article	IF	Citations
7363	Remapping in a recurrent neural network model of navigation and context inference. ELife, 0, 12, .	6.0	0
7364	The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems I: High-contrast Imaging of the Exoplanet HIP 65426 b from 2 to 16 Î¼m. Astrophysical Journal Letters, 2023, 951, L20.	8.3	16
7365	Simulations of Glass Transition and Mechanical Behavior of Off-Stoichiometric Crosslinked Polymers. Macromolecules, 2023, 56, 5268-5277.	4.8	0
7366	GStatSim V1.0: a Python package for geostatistical interpolation and conditional simulation. Geoscientific Model Development, 2023, 16, 3765-3783.	3.6	2
7367	Fast non-Markovian sampler for estimating gravitational-wave posteriors. Physical Review D, 2023, 108, .	4.7	3
7368	The diurnal variation of wet bulb temperatures and exceedance of physiological thresholds relevant to human health in South Asia. Communications Earth & Environment, 2023, 4, .	6.8	0
7369	Translation of paired fundus photographs to fluorescein angiographs with energy-based cycle-consistent adversarial networks. Medicine (United States), 2023, 102, e34161.	1.0	0
7370	Primordial or Secondary? Testing Models of Debris Disk Gas with ALMA*. Astrophysical Journal, 2023, 951, 111.	4.5	3
7372	New Near-infrared Periodâ€"Luminosityâ€"Metallicity Relations for Galactic RR Lyrae Stars Based on Gaia EDR3 Parallaxes. Astrophysical Journal, 2023, 951, 114.	4.5	0
7373	Predicting and Evaluating Decoring Behavior of Inorganically Bound Sand Cores, Using XGBoost and Artificial Neural Networks. Applied Sciences (Switzerland), 2023, 13, 7948.	2.5	4
7374	CLEAR: The Morphological Evolution of Galaxies in the Green Valley. Astrophysical Journal, 2023, 951, 115.	4.5	1
7375	Unveiling δ Scuti and γ Doradus hybrid pulsation of HD 53166 and HD 53349 plus rich frequencies in HD 52788. New Astronomy, 2024, 105, 102081.	1.8	4
7376	Reconciling fast and slow cooling during planetary formation as recorded in the main group pallasites. Earth and Planetary Science Letters, 2023, 618, 118284.	4.4	0
7377	Meta-analysis and open-source database for in vivo brain Magnetic Resonance spectroscopy in health and disease. Analytical Biochemistry, 2023, 676, 115227.	2.4	4
7378	TOI-1859b: A 64 Day Warm Jupiter on an Eccentric and Misaligned Orbit. Astrophysical Journal Letters, 2023, 951, L29.	8.3	7
7379	Photochemical Hazes Dramatically Alter Temperature Structure and Atmospheric Circulation in 3D Simulations of Hot Jupiters. Astrophysical Journal, 2023, 951, 117.	4.5	4
7380	SCOPE: predicting future diagnoses in office visits using electronic health records. Scientific Reports, 2023, 13, .	3.3	0
7381	The halo mass function and filaments in full cosmological simulations with fuzzy dark matter. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4256-4274.	4.4	8

#	Article	IF	Citations
7382	Detection of Thermal Sunyaev–Zel'dovich Effect in the Circumgalactic Medium of Low-mass Galaxies—A Surprising Pattern in Self-similarity and Baryon Sufficiency. Astrophysical Journal, 2023, 951, 125.	4.5	1
7384	Unbinned profiled unfolding. Physical Review D, 2023, 108, .	4.7	3
7385	PXLink: A simulation program of polymer crosslinking to study of polyamide membrane. Computer Physics Communications, 2023, 291, 108840.	7.5	2
7386	Identification of Glucagon Secretion Patterns during an Oral Glucose Tolerance Test. Endocrines, 2023, 4, 488-501.	1.0	0
7387	Non-negative tensor factorization workflow for time series biomedical data. STAR Protocols, 2023, 4, 102318.	1.2	0
7388	Associations of Home Monitoring Data to Interventional Catheterization for Infants with Recurrent Coarctation of the Aorta and Hypoplastic Left Heart Syndrome. Pediatric Cardiology, 0, , .	1.3	0
7389	A Novel EEG-Based Real-Time Emotion Recognition Approach Using Deep Neural Networks on Raspberry Pi. Lecture Notes in Computer Science, 2023, , 231-244.	1.3	0
7390	A Model Estimator for Noisy Compact Emission Recovery in Radio Synthesis Imaging. Astronomical Journal, 2023, 166, 53.	4.7	1
7391	Temperature fluctuations in quasar accretion discs from spectroscopic monitoring data. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4521-4542.	4.4	1
7392	Ontology based Feature Selection and Weighting for Text classification using Machine Learning. Journal of Information Technology and Computing, 2023, 4, 1-14.	0.3	0
7393	MUSEQuBES: The relation between Lyα emitters and C$_{iv}$ absorbers at $z \approx 3.3$. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
7394	The Effect of Perceptual Load on Performance Within IDE in People with ADHD Symptoms. Lecture Notes in Computer Science, 2023, , 122-141.	1.3	0
7395	Analysis of Line and Tube Detection Performance of a Chest X-ray Deep Learning Model to Evaluate Hidden Stratification. Diagnostics, 2023, 13, 2317.	2.6	0
7396	A land-use transport-interaction framework for large scale strategic urban modeling. Computers, Environment and Urban Systems, 2023, 104, 102007.	7.1	1
7397	Examining NHD versus QHD in the GCM THOR with non-grey radiative transfer for the hot Jupiter regime. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3396-3428.	4.4	0
7398	Construction and characterization of a novel miniaturized filamentous phagemid for targeted mammalian gene transfer. Microbial Cell Factories, 2023, 22, .	4.0	2
7399	Testing the Blazar Sequence with Spectra of Recently Discovered Dim Blazars from the Fermi Unassociated Catalog. Astrophysical Journal, 2023, 951, 133.	4.5	2
7400	Bibliometric Analysis and Systematic Literature Review on Data Visualization. Lecture Notes in Computer Science, 2023, , 490-502.	1.3	0

#	Article	IF	Citations
7401	Chandra, HST/STIS, NICER, Swift, and TESS Detail the Flare Evolution of the Repeating Nuclear Transient ASASSN -14ko. Astrophysical Journal, 2023, 951, 134.	4.5	3
7402	JWST Peers into the Class I Protostar TMC1A: Atomic Jet and Spatially Resolved Dissociative Shock Region. Astrophysical Journal Letters, 2023, 951, L32.	8.3	3
7403	Functional trajectories during innate spinal cord repair. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	0
7404	Gravitational waves from black-hole encounters: Prospects for ground and galaxy-based observatories. Physical Review D, 2023, 108, .	4.7	3
7405	A cloud-native application for digital restoration of Cultural Heritage using nuclear imaging: THESPIAN-XRF. Rendiconti Lincei, 0, , .	2.2	0
7406	Predicting the Performance-Cost Trade-off of Applications Across Multiple Systems. , 2023, , .		2
7407	Energy-based clustering: Fast and robust clustering of data with known likelihood functions. Journal of Chemical Physics, 2023, 159, .	3.0	2
7408	Multistate transition dynamics by strong time-dependent perturbation in NISQ era. Journal of Physics Communications, 2023, 7, 075004.	1.2	1
7410	A comprehensive atlas of perineuronal net distribution and colocalization with parvalbumin in the adult mouse brain. Cell Reports, 2023, 42, 112788.	6.4	8
7411	Model-independent Mass Reconstruction of the Hubble Frontier Field Clusters with MARS Based on Self-consistent Strong-lensing Data. Astrophysical Journal, 2023, 951, 140.	4.5	1
7412	Development and performance of data-driven models for the prediction of the high-temperature fatigue life of alloy 617. International Journal of Pressure Vessels and Piping, 2023, 206, 105022.	2.6	0
7413	Machine Learning Surrogate Model for Acceleration of Ferroelectric Phase-Field Modeling. ACS Applied Electronic Materials, 2023, 5, 3894-3907.	4.3	1
7414	TMS-induced inhibition of the left premotor cortex modulates illusory social perception. IScience, 2023, 26, 107297.	4.1	0
7415	Training a robotic arm to estimate the weight of a suspended object. , 2023, 1, 100011.		0
7416	Temperature-pressure phase diagram of confined monolayer water/ice at first-principles accuracy with a machine-learning force field. Nature Communications, 2023, 14, .	12.8	4
7417	Detecting dark compact objects in Gaia DR4: A data analysis pipeline for transient astrometric lensing searches. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 037.	5.4	1
7418	The nuclear transport factor CSE1 drives macronuclear volume increase and macronuclear node coalescence in Stentor coeruleus. IScience, 2023, 26, 107318.	4.1	0
7419	A Bayesian estimation of the Milky Way's circular velocity curve using Gaia DR3. Astronomy and Astrophysics, 0, , .	5.1	1

#	ARTICLE	IF	CITATIONS
7420	High-Throughput Numerical Investigation of Process Parameter-Melt Pool Relationships in Electron Beam Powder Bed Fusion. Modelling, 2023, 4, 336-350.	1.4	2
7421	pyribs: A Bare-Bones Python Library for Quality Diversity Optimization. , 2023, , .		1
7422	On Hitting Times for General Quantum Markov Processes. Quantum - the Open Journal for Quantum Science, 0, 7, 1056.	0.0	0
7423	In Situ Fabrication of Constraints for Multicellular Microâ€Spheroids Using Twoâ€Photon Lithography. Advanced Functional Materials, 0, , .	14.9	6
7424	Seldonian Toolkit: Building Software with Safe and Fair Machine Learning. , 2023, , .		1
7425	A Dynamical Systems Approach to Characterizing Brainâ€"Body Interactions during Movement: Challenges, Interpretations, and Recommendations. Sensors, 2023, 23, 6296.	3.8	0
7426	Flares, Warps, Truncations, and Satellite: The Ultra-thin Galaxy UGC 11859. Astrophysical Journal, 2023, 951, 149.	4.5	0
7427	Development and Hydrodynamic Characterization of a Modular Mini-Plant Photoreactor. Industrial & Engineering Chemistry Research, 2023, 62, 11456-11469.	3.7	1
7428	The weathering resistance of quaternary Highâ€density polyethylene (<scp>HDPE</scp>) composites: Effects of weld lines, formulation and degradation on tensile properties. Journal of Polymer Science, 0, , .	3.8	0
7429	Characterizing and Understanding Software Security Vulnerabilities in Machine Learning Libraries. , 2023, , .		3
7430	Cross-Domain Evaluation of a Deep Learning-Based Type Inference System. , 2023, , .		0
7431	Climate Model Code Genealogy and Its Relation to Climate Feedbacks and Sensitivity. Journal of Advances in Modeling Earth Systems, 2023, 15, .	3.8	5
7432	A design strategy to generate a SARSâ€CoVâ€2 RBD vaccine that abrogates ACE2 binding and improves neutralizing antibody responses. European Journal of Immunology, 2023, 53, .	2.9	2
7433	COSMOGLOBE DR1 results. Astronomy and Astrophysics, 2023, 679, A144.	5.1	4
7435	Periodic Radio Emission from the T8 Dwarf WISE J062309.94â€"045624.6. Astrophysical Journal Letters, 2023, 951, L43.	8.3	3
7436	Keck near-infrared detections of Mab and Perdita. Icarus, 2023, 405, 115697.	2.5	0
7437	Retrospective Search for Strongly Lensed Supernovae in the DESI Legacy Imaging Surveys. Astrophysical Journal, 2023, 952, 10.	4.5	1
7438	Particle-in-cell Simulations of Relativistic Magnetic Reconnection with Advanced Maxwell Solver Algorithms. Astrophysical Journal, 2023, 952, 8.	4.5	1

#	ARTICLE	IF	CITATIONS
7439	Small‐Magnitude Seismic Swarms in Central Utah (US): Interactions of Regional Tectonics, Local Structures and Hydrothermal Systems. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	2
7440	Satellite Optical Brightness. Astronomical Journal, 2023, 166, 59.	4.7	2
7441	Validating Stellar Abundance Measurements from Multiresolution Spectroscopy. Astrophysical Journal, Supplement Series, 2023, 267, 18.	7.7	1
7442	Copatrec: A correlation pattern recognizer Python package for nonlinear relations. SoftwareX, 2023, 23, 101456.	2.6	0
7443	Initial motor skill performance predicts future performance, but not learning. Scientific Reports, 2023, 13, .	3.3	2
7444	Ionized-gas Metallicity of the Strong [O iii]λ5007 Emission-line Compact Galaxies in the LAMOST Survey. Astrophysical Journal, Supplement Series, 2023, 267, 16.	7.7	0
7445	Molecular insights into the effects of focused ultrasound mechanotherapy on lipid bilayers: Unlocking the keys to design effective treatments. Journal of Colloid and Interface Science, 2023, 650, 1201-1210.	9.4	1
7446	The kynurenic acid analog SZR104 induces cytomorphological changes associated with the anti-inflammatory phenotype in cultured microglia. Scientific Reports, 2023, 13, .	3.3	3
7447	Semantic-Based Neural Network Repair. , 2023, , .		1
7448	Cosmology from the integrated shear 3-point correlation function: simulated likelihood analyses with machine-learning emulators. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 040.	5.4	2
7449	On the gamma-ray emission from the core of the Sagittarius dwarf galaxy. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4574-4585.	4.4	2
7450	Laplacian-Based Focus Measure Allows Rapid Focus Estimation of Annular Regions in Gray-Scale Images. , 2023, , .		0
7451	<i>TEMGYM Basic</i>: transmission electron microscopy simulation software for teaching and training of microscope operation. Journal of Applied Crystallography, 2023, 56, .	4.5	0
7452	Interstellar Comets from Post-main-sequence Systems as Tracers of Extrasolar Oort Clouds. Planetary Science Journal, 2023, 4, 124.	3.6	1
7453	Population genomics reveals mechanisms and dynamics of de novo expressed open reading frame emergence in<i>Drosophila melanogaster</i>. Genome Research, 2023, 33, 872-890.	5.5	6
7454	The Troyer syndrome protein spartin mediates selective autophagy of lipid droplets. Nature Cell Biology, 2023, 25, 1101-1110.	10.3	16
7455	Molecular dissection and testing of PRSS37 function through LC–MS/MS and the generation of a PRSS37 humanized mouse model. Scientific Reports, 2023, 13, .	3.3	0
7456	Maschinelles Lernen. , 2023, , 305-354.		0

#	Article	IF	Citations
7457	Overfitting Affects the Reliability of Radial Velocity Mass Estimates of the V1298 Tau Planets. Astronomical Journal, 2023, 166, 62.	4.7	11
7458	*PySilSub*: An open-source Python toolbox for implementing the method of silent substitution in vision and nonvisual photoreception research. Journal of Vision, 2023, 23, 10.	0.3	2
7459	Programmierung. , 2023, , 133-205.		0
7460	Development, validation and analysis of a human profurin 3D model using comparative modeling and molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 0, , 1-19.	3.5	0
7461	Detecting the Hαi power spectrum in the post-reionization Universe with SKA-Low. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3724-3740.	4.4	2
7462	Agent-based models under uncertainty. F1000Research, 0, 12, 834.	1.6	0
7463	A geometric simulation to produce training data for deep-learning based close-range photogrammetry. AIP Conference Proceedings, 2023, , .	0.4	0
7464	pyBumpHunter: A model independent bump hunting tool in Python for high energy physics analyses. , 0, , .		3
7465	Generating Realistic and Diverse Tests for LiDAR-Based Perception Systems. , 2023, , .		2
7467	The Large Deficit of HMXB Emission from Luminous Infrared Galaxies: The Case of the Circumnuclear Starburst Ring in NGC 7552. Astrophysical Journal, 2023, 952, 22.	4.5	2
7468	The First JWST Spectral Energy Distribution of a Y Dwarf. Astrophysical Journal Letters, 2023, 951, L48.	8.3	11
7469	Constraints on late-forming exploding black holes. Physical Review D, 2023, 108, .	4.7	1
7470	Towards Machine Learning in Heterogeneous Catalysis—A Case Study of 2,4-Dinitrotoluene Hydrogenation. International Journal of Molecular Sciences, 2023, 24, 11461.	4.1	1
7471	Ultra-long-range interactions between active regulatory elements. Genome Research, 2023, 33, 1269-1283.	5.5	6
7472	Tabular data augmentation for video-based detection of hypomimia in Parkinson's disease. Computer Methods and Programs in Biomedicine, 2023, 240, 107713.	4.7	0
7473	Accurate and Efficient Photoeccentric Transit Modeling. Astronomical Journal, 2023, 166, 61.	4.7	1
7474	Mapping 30m China annual impervious surface from 1992 to 2021 via a multi-level classification approach. International Journal of Remote Sensing, 2023, 44, 4086-4114.	2.9	0
7475	JWST CEERS probes the role of stellar mass and morphology in obscuring galaxies. Astronomy and Astrophysics, 2023, 677, A34.	5.1	7

#	Article	IF	Citations
7476	A new synthesis method for complex electric field patterning using a multichannel dense array system with applications in lowâ€intensity noninvasive neuromodulation. Bioelectromagnetics, 2023, 44, 156-180.	1.6	1
7478	Tugâ€Ofâ€War on Idealized Midlatitude Cyclones Between Radiative Heating From Lowâ€Level and Highâ€Level Clouds. Geophysical Research Letters, 2023, 50, .	4.0	0
7479	5G Traffic Forecasting using Federated Learning. , 2023, , .		0
7480	A computational workflow to study CO2 transport in porous media with irregular grains: Coupling a Fourier series-based approach and CFD. Journal of Cleaner Production, 2023, 418, 138037.	9.3	3
7481	Uncertainty quantification of the virial black hole mass with conformal prediction. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3116-3129.	4.4	0
7482	Jellyfish galaxies with the IllustrisTNG simulations â€" when, where, and for how long does ram pressure stripping of cold gas occur?. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3502-3525.	4.4	6
7483	Deep learning for histopathological segmentation of smooth muscle in the urinary bladder. BMC Medical Informatics and Decision Making, 2023, 23, .	3.0	0
7484	Predicting spatiotemporal soil organic carbon responses to management using EPIC-IIASA meta-models. Journal of Environmental Management, 2023, 344, 118532.	7.8	1
7487	Tackling alert fatigue with a semi-automated clinical decision support system: quantitative evaluation and end-user survey. Swiss Medical Weekly, 2023, 153, 40082.	1.6	2
7488	The Hot Circumgalactic Medium of the Milky Way: New Insights from XMM-Newton Observations. Astrophysical Journal, 2023, 952, 41.	4.5	3
7489	ML-Peaks: CHIP-Seq Peak Detection Pipeline using Machine Learning Techniques. , 2023, , .		1
7490	Hypergraph factorization for multi-tissue gene expression imputation. Nature Machine Intelligence, 2023, 5, 739-753.	16.0	2
7491	Pseudo-3D cubes from densely spaced subbottom profiles via projection onto convex sets interpolation: An open-source workflow applied to a pockmark field. Geophysics, 2023, 88, F51-F69.	2.6	0
7492	Identifying and quantifying isoforms from accurate full-length transcriptome sequencing reads with Mandalorion. Genome Biology, 2023, 24, .	8.8	4
7493	Comprehensive Analysis of a Symbiotic Candidate V503 Her. Astronomical Journal, 2023, 166, 65.	4.7	0
7494	Robust estimation of cortical similarity networks from brain MRI. Nature Neuroscience, 2023, 26, 1461-1471.	14.8	8
7495	CRISPR Comparison Toolkit: Rapid Identification, Visualization, and Analysis of CRISPR Array Diversity. CRISPR Journal, 0, , .	2.9	1
7496	Solar Cycle Variation of 0.3â€"1.29 MeV Nucleon^{-1} Heavy Ion Composition During Quiet Times Near 1 au in Solar Cycles 23 and 24. Astrophysical Journal, 2023, 952, 42.	4.5	0

#	Article	IF	Citations
7497	HIV-1 virological synapse formation enhances infection spread by dysregulating Aurora Kinase B. PLoS Pathogens, 2023, 19, e1011492.	4.7	0
7498	A randomised controlled test of emotional attributes of a virtual coach within a virtual reality (VR) mental health treatment. Scientific Reports, 2023, 13, .	3.3	0
7499	The Fraction and Kinematics of Broad Absorption Line Quasars across Cosmic Time. Astrophysical Journal, 2023, 952, 44.	4.5	7
7500	Dynamical and statistical properties of estimated high-dimensional ODE models: The case of the Lorenz â€™05 type II model. Chaos, 2023, 33, .	2.5	0
7501	An exploration of machine learning models for the determination of reaction coordinates associated with conformational transitions. Journal of Chemical Physics, 2023, 159, .	3.0	4
7502	Explainable machine learning for the prediction and assessment of complex drought impacts. Science of the Total Environment, 2023, 898, 165509.	8.0	2
7504	Automation of evaluation of the interlaboratory comparisons results by means of software. Measurements Infrastructure, 2023, , .	0.1	0
7505	Transmission Spectroscopy of the Lowest-density Gas Giant: Metals and a Potential Extended Outflow in HAT-P-67b. Astronomical Journal, 2023, 166, 69.	4.7	2
7506	Uncovering new white dwarf-open cluster associations using Gaia DR3. Astronomy and Astrophysics, 0, , .	5.1	0
7507	Detecting shortcut learning for fair medical AI using shortcut testing. Nature Communications, 2023, 14, .	12.8	4
7508	Predicting the solidification time of low pressure die castings using geometric feature-based machine learning metamodels. Procedia CIRP, 2023, 118, 1102-1107.	1.9	1
7509	A framework for comparative study of databases and computational methods for arrhythmia detection from single-lead ECG. Scientific Reports, 2023, 13, .	3.3	3
7510	Industrial application of hydrophone for condition monitoring of water pump. , 2023, , .		0
7511	A Deep Learning Approach to Intrusion Detection and Segmentation in Pellet Fuels Using Microscopic Images. Sensors, 2023, 23, 6488.	3.8	0
7514	Improving Forest Detection Using Machine Learning and Remote Sensing: A Case Study in Southeastern Serbia. Applied Sciences (Switzerland), 2023, 13, 8289.	2.5	3
7516	Short hydrocarbon stapled ApoC2-mimetic peptides activate lipoprotein lipase and lower plasma triglycerides in mice. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	1
7517	Classification of Weather Conditions Based on Supervised Learning for Swedish Cities. Atmosphere, 2023, 14, 1174.	2.3	1
7518	A Framework toÂImprove theÂConfidence ofÂRestaurants User Reviews Based onÂFacial Analysis. Advances in Intelligent Systems and Computing, 2023, , 261-270.	0.6	0

#	Article	IF	Citations
7519	Generating structural alerts from toxicology datasets using the local interpretable model-agnostic explanations method. , 0, , .		0
7520	Insight on physicochemical properties governing peptide MS1 response in HPLC-ESI-MS/MS: A deep learning approach. Computational and Structural Biotechnology Journal, 2023, 21, 3715-3727.	4.1	2
7521	High-Level Features forÂHuman Activity Recognition andÂModeling. Communications in Computer and Information Science, 2023, , 141-163.	0.5	3
7522	Critical importance of RGB color space specificity for colorimetric bio/chemical sensing: A comprehensive study. Talanta, 2024, 266, 124957.	5.5	2
7523	Intact predictive processing in autistic adults: evidence from statistical learning. Scientific Reports, 2023, 13, .	3.3	1
7524	Synthetic radio images of structured GRB and kilonova afterglows. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7525	Improving the feel of 3D printed prototypes for new product development: A feasibility study of emulating mass properties by optimising infill structures and materials. Design Science, 2023, 9, .	2.1	0
7526	A Selection Hyper-Heuristic for Transfer Learning in Genetic Programming. , 2023, , .		2
7527	Characterization of time-series fluorescence properties of bean sprouts during storage using Excitation Emission Matrix and Fluorescence imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, , 123194.	3.9	0
7528	Probing the Consistency of Cosmological Contours for Supernova Cosmology. Publications of the Astronomical Society of Australia, 0, , 1-9.	3.4	0
7529	Graded expression of the chemokine receptor CX3CR1 marks differentiation states of human and murine T cells and enables cross-species interpretation. Immunity, 2023, 56, 1955-1974.e10.	14.3	9
7530	CRYSTALpytools: A Python infrastructure for the Crystal code. Computer Physics Communications, 2023, 292, 108853.	7.5	6
7531	Evolutionary Algorithms for Segment Optimization in Vectorial GP. , 2023, , .		0
7532	Machine Learning Automated Analysis of Enormous Synchrotron X-ray Diffraction Datasets. Journal of Physical Chemistry C, 0, , .	3.1	2
7533	Maelstrom: An Accelerator-compatible GP Framework. , 2023, , .		0
7534	A Joint Python/C++ Library for Efficient yet Accessible Black-Box and Gray-Box Optimization with GOMEA. , 2023, , .		0
7535	Spectral Analysis of Ionospheric Density Variations Measured With the Large Radio Telescope in the Lowâ€Latitude Region. Geophysical Research Letters, 2023, 50, .	4.0	0
7536	Classic Machine Learning Methods. Neuromethods, 2023, , 25-75.	0.3	1

#	Article	IF	Citations
7537	MIDIS: Strong (HÎ²+[O iii]) and HÎ± Emitters at Redshift z â‰ƒ 7â€"8 Unveiled with JWST NIRCam and MIRI Imaging in the Hubble eXtreme Deep Field. Astrophysical Journal, 2023, 952, 143.	4.5	10
7538	Automated detection and tracking of medium-large icebergs from Sentinel-1 imagery using Google Earth Engine. Remote Sensing of Environment, 2023, 296, 113731.	11.0	7
7539	The ALMA Interferometric Pipeline Heuristics. Publications of the Astronomical Society of the Pacific, 2023, 135, 074501.	3.1	5
7540	On the pollution of white dwarfs by exo-Oort cloud comets. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7541	RMTable2023 and PolSpectra2023: Standards for Reporting Polarization and Faraday Rotation Measurements of Radio Sources. Astrophysical Journal, Supplement Series, 2023, 267, 28.	7.7	0
7542	Expulsion mechanism of the substrate-translocating subunit in ECF transporters. Nature Communications, 2023, 14, .	12.8	3
7543	Segmenting and Genotyping Large, Polymorphic Inversions. , 2023, , .		0
7544	Spinal control of locomotion before and after spinal cord injury. Experimental Neurology, 2023, 368, 114496.	4.1	0
7545	Matter ejections behind the highs and lows of the transitional millisecond pulsar PSR J1023+0038. Astronomy and Astrophysics, 2023, 677, A30.	5.1	3
7546	mmodel: A workflow framework to accelerate the development of experimental simulations. Journal of Chemical Physics, 2023, 159, .	3.0	0
7547	Detection of large-scale cloud microphysical changes within a major shipping corridor after implementation of the International Maritime Organization 2020 fuel sulfur regulations. Atmospheric Chemistry and Physics, 2023, 23, 8259-8269.	4.9	7
7549	Tsunami Wave Characteristics from the 1674 Ambon Earthquake Event Based on Landslide Scenarios. Geotechnics, 2023, 3, 700-718.	2.3	2
7550	Light Curves of Type IIP Supernovae from Neutrino-driven Explosions of Red Supergiants Obtained by a Semianalytic Approach. Astrophysical Journal, 2023, 952, 155.	4.5	0
7551	Efficient Hi-C inversion facilitates chromatin folding mechanism discovery and structure prediction. Biophysical Journal, 2023, , .	0.5	1
7552	Semantically Optimized End-to-End Learning for Positional Telemetry in Vehicular Scenarios. , 2023, , .		0
7554	Detector signal characterization with a Bayesian network in XENONnT. Physical Review D, 2023, 108, .	4.7	1
7555	Modeling to explore and challenge inherent assumptions when cultural norms have changed: a case study on left-handedness and life expectancy. Archives of Public Health, 2023, 81, .	2.4	1
7556	Generating multidimensional clusters with support lines. Knowledge-Based Systems, 2023, , 110836.	7.1	0

#	ARTICLE	IF	CITATIONS
7557	Evidence for mass-dependent peculiar velocities in compact object binaries: towards better constraints on natal kicks. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1498-1519.	4.4	4
7558	Stable Tuple Embeddings for Dynamic Databases. , 2023, , .		0
7559	Propagation of Very-high-energy Î³-Rays from Distant Blazars. Astrophysical Journal, 2023, 952, 152.	4.5	0
7560	Aemulus Î½: precise predictions for matter and biased tracer power spectra in the presence of neutrinos. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 054.	5.4	4
7561	Introducing the Texas Euclid Survey for LyÎ± (TESLA) Survey: Initial Study Correlating Galaxy Properties to LyÎ± Emission. Astrophysical Journal, 2023, 952, 110.	4.5	2
7562	Multivariate Process Control Chart Pattern Classification Using Multi-Channel Deep Convolutional Neural Networks. Mathematics, 2023, 11, 3291.	2.2	2
7563	Calibrating angular momentum transport in intermediate-mass stars from gravity-mode asteroseismology. Astronomy and Astrophysics, 2023, 677, A63.	5.1	3
7564	Detecting cosmic voids via maps of geometric-optics parameters. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7565	The photometric variability of massive stars due to gravity waves excited by core convection. Nature Astronomy, 2023, 7, 1228-1234.	10.1	4
7566	Neuroevolution-Based Network Architecture Evolution in Semiconductor Manufacturing. ACS Omega, 0, , .	3.5	0
7567	Autoencoding Galaxy Spectra. II. Redshift Invariance and Outlier Detection. Astronomical Journal, 2023, 166, 75.	4.7	4
7568	The Radio Parallax of the Crab Pulsar: A First VLBI Measurement Calibrated with Giant Pulses. Astrophysical Journal, 2023, 952, 161.	4.5	0
7569	The Variable Detection of Atmospheric Escape around the Young, Hot Neptune AU Mic b. Astronomical Journal, 2023, 166, 77.	4.7	1
7570	CLeBPI: Contrastive Learning for Bug Priority Inference. Information and Software Technology, 2023, , 107302.	4.4	1
7571	Towards a fast-charging of LIBs electrode materials: a heuristic model based on galvanostatic simulations. Electrochimica Acta, 2023, 464, 142951.	5.2	0
7572	Target selection for the DESI Peculiar Velocity Survey. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1106-1125.	4.4	5
7573	PeakOTron: A Python module for fitting charge spectra of Silicon Photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2023, 1056, 168544.	1.6	3
7574	Autoencoding Galaxy Spectra. I. Architecture. Astronomical Journal, 2023, 166, 74.	4.7	4

#	ARTICLE	IF	CITATIONS
7575	Forecasting the electricity balance of a small manufacturer with photovoltaic production using machine learning. , 2023, , .		0
7576	Development of an algorithm for identification of sown biodiverse pastures in Portugal. European Journal of Remote Sensing, 2023, 56, .	3.5	0
7577	On the impact of the galaxy window function on cosmological parameter estimation. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7578	A Hammett's analysis of the substituent effect in functionalized diketopyrrolopyrrole (<scp>DPP</scp>) systems: Optoelectronic properties and intramolecular charge transfer effects. Journal of Computational Chemistry, 2023, 44, 2256-2273.	3.3	1
7579	Classifications of users on online platforms using machine learning techniques. Bulletin of Taras Shevchenko National University of Kyiv Series Physics and Mathematics, 2022, , 66-71.	0.1	0
7580	Modeling face recognition in the predictive coding framework: A combined computational modeling and functional imaging study. Cortex, 2023, 168, 203-225.	2.4	1
7581	Interpreting the Si ii and C ii Line Spectra from the COS Legacy ArchiveÂSpectroscopic SurveY Using a Virtual Galaxy from a High-resolution Radiation-hydrodynamic Simulation. Astrophysical Journal, 2023, 952, 164.	4.5	0
7583	The quenched satellite population around Milky Way analogues. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5314-5326.	4.4	2
7584	The role of magnetic fields in the formation of the filamentary infrared dark cloud G11.11â€“0.12. Monthly Notices of the Royal Astronomical Society, 2023, 525, 107-122.	4.4	2
7585	Decoding the compositions of four bright <i>r</i>-process-enhanced stars. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5607-5639.	4.4	0
7586	Load balancing for multi-beam additive manufacturing systems. Additive Manufacturing, 2023, , 103708.	3.0	0
7587	Alkali metal cations modulate the geometry of different binding sites in HCN4 selectivity filter for permeation or block. Journal of General Physiology, 2023, 155, .	1.9	0
7588	Spectroscopic Follow-up of Two Star-forming Objects in the M101 Field*. Research Notes of the AAS, 2023, 7, 149.	0.7	0
7589	SBI⁺⁺: Flexible, Ultra-fast Likelihood-free Inference Customized for Astronomical Applications. Astrophysical Journal Letters, 2023, 952, L10.	8.3	4
7590	Kernel based quantum machine learning at record rate: Many-body distribution functionals as compact representations. Journal of Chemical Physics, 2023, 159, .	3.0	1
7591	Dark-field X-ray imaging for the assessment of osteoporosis in human lumbar spine specimens. Frontiers in Physiology, 0, 14, .	2.8	1
7592	Graphs and Kernelized Learning Applied to Interactions of Hydrogen with Doped Gold Nanoparticle Electrocatalysts. Journal of Physical Chemistry C, 2023, 127, 14211-14221.	3.1	1
7593	Kinematic Sunyaev-Zelâ€™dovich effect with ACT, DES, and BOSS: A novel hybrid estimator. Physical Review D, 2023, 108, .	4.7	1

#	ARTICLE	IF	CITATIONS
7594	Open-Source Machine Learning in Computational Chemistry. Journal of Chemical Information and Modeling, 2023, 63, 4505-4532.	5.4	3
7595	smAMPsTK: a toolkit to unravel the smORFome encoding AMPs of plant species. Journal of Biomolecular Structure and Dynamics, 0, , 1-13.	3.5	0
7596	An empirical model to calculate snow depth from daily snow water equivalent: SWE2HS 1.0. Geoscientific Model Development, 2023, 16, 4063-4081.	3.6	1
7597	Are highly accurate models of agency in bone breaking the result of misuse of machine learning methods?. Journal of Archaeological Science: Reports, 2023, 51, 104150.	0.5	0
7598	Discovery of a New Local Group Dwarf Galaxy Candidate in UNIONS: Boötes V. Astronomical Journal, 2023, 166, 76.	4.7	6
7599	Predicting song popularity based on Spotify's audio features: insights from the Indonesian streaming users. Journal of Management Analytics, 2023, 10, 693-709.	2.5	0
7600	Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO. Astrophysical Journal, Supplement Series, 2023, 267, 29.	7.7	53
7601	Period–Luminosity Relations for Galactic Classical Cepheids in the Sloan Bands*. Astrophysical Journal, 2023, 953, 14.	4.5	2
7602	Characterizing the Spectral Structure of Weak Impulsive Narrowband Quiet Sun Emissions. Astrophysical Journal, 2023, 953, 4.	4.5	0
7603	Upgrade of <i>D</i>+ software for hierarchical modeling of X-ray scattering data from complex structures in solution, fibers and single orientations. Journal of Applied Crystallography, 2023, 56, 1295-1303.	4.5	2
7604	<i>Shape2SAS</i>: a web application to simulate small-angle scattering data and pair distance distributions from user-defined shapes. Journal of Applied Crystallography, 2023, 56, 1287-1294.	4.5	0
7605	Investigating the visible phase-curve variability of 55 Cnc e. Astronomy and Astrophysics, 2023, 677, A112.	5.1	2
7606	Yttrium-Iron Garnet Film Magnetometer for Registration of Magnetic Nano- and Submicron Particles: In Vitro and in Vivo Studies. IEEE Transactions on Biomedical Engineering, 2023, , 1-11.	4.2	0
7608	A Recipe for Unbiased Background Modeling in Deep Wide-field Astronomical Images. Astrophysical Journal, 2023, 953, 7.	4.5	2
7609	Using [Ne v]/[Ne iii] to Understand the Nature of Extreme-ionization Galaxies. Astrophysical Journal, 2023, 953, 10.	4.5	8
7610	Galactic properties that favour star cluster formation: a statistical view. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1902-1911.	4.4	0
7611	Assessment of extra virgin olive oil quality by miniaturized near infrared instruments in a rapid and non-destructive procedure. Food Chemistry, 2024, 430, 137043.	8.2	1
7612	Separation of an Upwelling Current Bounding the Juan de Fuca Eddy. Journal of Geophysical Research: Oceans, 2023, 128, .	2.6	0

#	Article	IF	Citations
7613	The signature of SARSâ€CoVâ€2 evolution reflects selective pressures within human guts. Journal of Medical Virology, 2023, 95, .	5.0	0
7615	Neural networks for cognitive testing: Cognitive test drawing classification. Intelligence-based Medicine, 2023, 8, 100104.	2.4	0
7616	ManufacturingNet: A machine learning toolbox for engineers. SoftwareX, 2023, 23, 101478.	2.6	0
7617	Sex shapes cell-type-specific transcriptional signatures of stress exposure in the mouse hypothalamus. Cell Reports, 2023, 42, 112874.	6.4	3
7618	Using Artificial Intelligence toÂReduce theÂRisk ofÂTransfusion Hemolytic Reactions. Communications in Computer and Information Science, 2023, , 223-234.	0.5	0
7619	Stellar angular momentum of disk galaxies at <i>z</i>â€†â€„â‰ˆâ€„â€†0.7 in the MAGIC survey. Astronomy and Astrophysics, 2023, 677, A143.	5.1	0
7620	Pyglotaran: a lego-like Python framework for global and target analysis of time-resolved spectra. Photochemical and Photobiological Sciences, 2023, 22, 2413-2431.	2.9	4
7621	Engineering tRNA abundances for synthetic cellular systems. Nature Communications, 2023, 14, .	12.8	0
7622	The triggerless data acquisition system of the XENONnT experiment. Journal of Instrumentation, 2023, 18, P07054.	1.2	1
7623	On the general nature of 21-cm-Lymanâ€‰Î± emitter cross-correlations during reionization. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1664-1676.	4.4	1
7624	Chasing rainbows and ocean glints: Inner working angle constraints for the Habitable Worlds Observatory. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5477-5485.	4.4	3
7625	Runaway and Hypervelocity Stars from Compact Object Encounters in Globular Clusters. Astrophysical Journal, 2023, 953, 19.	4.5	3
7626	A neural-mechanistic hybrid approach improving the predictive power of genome-scale metabolic models. Nature Communications, 2023, 14, .	12.8	6
7627	Hydrodynamic Atmospheric Escape in HD 189733 b: Signatures of Carbon and Hydrogen Measured with the Hubble Space Telescope. Astronomical Journal, 2023, 166, 89.	4.7	1
7628	The burden of untreated insomnia disorder in a sample of 1Âmillion adults: a cohort study. BMC Public Health, 2023, 23, .	2.9	2
7629	A Quick Look at the 3 GHz Radio Sky. II. Hunting for DRAGNs in the VLA Sky Survey. Astrophysical Journal, Supplement Series, 2023, 267, 37.	7.7	1
7630	Dynamic optical spectroscopy and pyrometry of static targets under optical and x-ray laser heating at the European XFEL. Journal of Applied Physics, 2023, 134, .	2.5	3
7631	DIPS-Plus: The enhanced database of interacting protein structures for interface prediction. Scientific Data, 2023, 10, .	5.3	0

#	Article	IF	Citations
7632	Segmenting functional tissue units across human organs using community-driven development of generalizable machine learning algorithms. Nature Communications, 2023, 14, .	12.8	1
7633	Characterizing CO Emitters in the SSA22-AzTEC26 Field. Astrophysical Journal, 2023, 953, 75.	4.5	0
7634	General-relativistic Radiation Transport Scheme in Gmunu. I. Implementation of Two-moment-based Multifrequency Radiative Transfer and Code Tests. Astrophysical Journal, Supplement Series, 2023, 267, 38.	7.7	4
7635	The Unusual M-dwarf Warm Jupiter TOI-1899 b: Refinement of Orbital and Planetary Parameters. Astronomical Journal, 2023, 166, 90.	4.7	4
7636	Symmetry Breaking in Merging Binary Black Holes from Young Massive Clusters and Isolated Binaries. Astrophysical Journal, 2023, 953, 80.	4.5	2
7637	Deep Reinforcement Learning for Workload Prediction in Federated Cloud Environments. Sensors, 2023, 23, 6911.	3.8	1
7639	pyWitness 1.0: A python eyewitness identification analysis toolkit. Behavior Research Methods, 0, , .	4.0	0
7641	Yggdrasil Decision Forests: A Fast and Extensible Decision Forests Library. , 2023, , .		1
7642	Multiscale Stamps for Real-time Classification of Alert Streams. Astrophysical Journal Letters, 2023, 952, L43.	8.3	0
7643	Age Distribution of Exoplanet Host Stars: Chemical and Kinematic Age Proxies from GAIA DR3. Astronomical Journal, 2023, 166, 91.	4.7	1
7645	Analysis of SEP Events and Their Possible Precursors Based on the GSEP Catalog. Astrophysical Journal, Supplement Series, 2023, 267, 40.	7.7	1
7646	Off-Policy Learning-to-Bid with AuctionGym. , 2023, , .		3
7647	Electronic Free Energy Surface of the Nitrogen Dimer Using First-Principles Finite Temperature Electronic Structure Methods. Journal of Physical Chemistry A, 2023, 127, 6842-6856.	2.5	0
7648	The link between European warm-temperature extremes and atmospheric persistence. Earth System Dynamics, 2023, 14, 737-765.	7.1	3
7649	Monitoring snow water equivalent using the phase of RFID signals. Cryosphere, 2023, 17, 3137-3156.	3.9	0
7650	Estimating permeability impairment due to asphaltene deposition during the natural oil depletion process using machine learning techniques. , 2023, 230, 212225.		1
7652	Topography of mutational signatures in human cancer. Cell Reports, 2023, 42, 112930.	6.4	6
7653	Solubilization of inclusion bodies: insights from explainable machine learning approaches. Frontiers in Chemical Engineering, 0, 5, .	2.7	1

#	Article	IF	Citations
7655	Spatially resolved protein map of intact human cytomegalovirus virions. Nature Microbiology, 2023, 8, 1732-1747.	13.3	8
7656	The evolution of the Milky Way's thin disc radial metallicity gradient with K2 asteroseismic ages. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2141-2155.	4.4	0
7657	Fast Neutrino Flavor Conversions Can Help and Hinder Neutrino-Driven Explosions. Physical Review Letters, 2023, 131, .	7.8	11
7658	Evaluation of the inner retinal layers following traditional and modified ILM peeling surgery using automatic CMDS quantification algorithm. View, 2023, 4, .	5.3	0
7659	Improving the classification of cardinality phenotypes using collections. Journal of Biomedical Semantics, 2023, 14, .	1.6	0
7660	PyRamanGUI: Open-source graphical user interface for analyzing Raman spectra. SoftwareX, 2023, 23, 101486.	2.6	0
7661	Objective cognitive functioning in patients with stress-related disorders: a cross-sectional study using remote digital cognitive testing. BMC Psychiatry, 2023, 23, .	2.6	0
7662	Porous Dust Particles in Protoplanetary Disks: Application to the HL Tau Disk. Astrophysical Journal, 2023, 953, 96.	4.5	6
7663	Fast evaluation of spherical harmonics with <tt>sphericart</tt>. Journal of Chemical Physics, 2023, 159, .	3.0	0
7664	Mapping the Seismicity of Mars With InSight. Journal of Geophysical Research E: Planets, 2023, 128, .	3.6	1
7665	Over 500 Days in the Life of the Photosphere of the Type Iax Supernova SN 2014dt. Astrophysical Journal, 2023, 951, 67.	4.5	0
7666	Py-Feat: Python Facial Expression Analysis Toolbox. Affective Science, 2023, 4, 781-796.	2.6	6
7667	Astrometry in crowded fields towards the Galactic bulge. Astronomy and Astrophysics, 2023, 677, A185.	5.1	2
7668	High-resolution SOFIA/EXES Spectroscopy of Water Absorption Lines in the Massive Young Binary W3 IRS 5. Astrophysical Journal, 2023, 953, 103.	4.5	0
7669	Modeling and experimental validation of the discharge of lithium-sulfur batteries with nanoporous carbons following the Quasi-Solid-State Mechanism. Electrochimica Acta, 2023, 466, 142987.	5.2	0
7670	Generative Deep Learning for Visual Animation in Landscapes Design. Scientific Programming, 2023, 2023, 1-12.	0.7	0
7671	Simple Python tools for modelling few-level atom-light interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2023, 56, 223001.	1.5	2
7672	Absorption matters: A closer look at popular oral bioavailability rules for drug approvals. Molecular Informatics, 2023, 42, .	2.5	1

#	Article	IF	Citations
7673	Hepatic artery thrombosis and use of anticoagulants and antiplatelet agents in pediatric liver transplantation. Pediatric Transplantation, 2024, 28, .	1.0	0
7675	The Kinematics of the Young Stellar Population in the W5 Region of the Cassiopeia OB6 Association: Implication for the Formation Process of Stellar Associations. Astronomical Journal, 2023, 166, 97.	4.7	0
7676	Investigating the amplitude and rotation of the phase spiral in the Milky Way outer disc. Astronomy and Astrophysics, 2023, 678, A46.	5.1	3
7677	A MUSE view of the massive merging galaxy cluster ACT-CL J0102â€"4915 (El Gordo) at <i>z</i>â€"=â€"0.87. Astronomy and Astrophysics, 2023, 678, A3.	5.1	2
7678	Active Learning for Adsorption Simulations: Evaluation, Criteria Analysis, and Recommendations for Metalâ€"Organic Frameworks. Industrial & Engineering Chemistry Research, 2023, 62, 13009-13024.	3.7	3
7679	Zwicky Transient Facility and Globular Clusters: The gr-band Periodâ€"Luminosity Relations for Mira Variables at Maximum Light and their Applications to Local Galaxies. Astronomical Journal, 2023, 166, 96.	4.7	0
7680	Depth-Dependent Control in Vision-Sensor Space for Reconfigurable Parallel Manipulators. Sensors, 2023, 23, 7039.	3.8	0
7681	Counterexample-Guided Repair for Symbolic-Geometric Action Abstractions. IEEE Transactions on Robotics, 2023, 39, 4152-4165.	10.3	0
7683	WebNORM: a web application for calculating normative mineralogy. Frontiers in Earth Science, 0, 11, .	1.8	0
7684	Vasculature of the Suprachiasmatic Nucleus: Pathways for Diffusible Output Signals. Journal of Biological Rhythms, 2023, 38, 571-585.	2.6	3
7685	Gammapy: A Python package for gamma-ray astronomy. Astronomy and Astrophysics, 2023, 678, A157.	5.1	4
7686	DRAGen â€" A deep learning supported RVE generator framework for complex microstructure models. Heliyon, 2023, 9, e19003.	3.2	3
7687	Estimating lighting direction in scenes with multiple objects. Attention, Perception, and Psychophysics, 0, , .	1.3	0
7688	Advancing algorithmic drug product development: Recommendations for machine learning approaches in drug formulation. European Journal of Pharmaceutical Sciences, 2023, 191, 106562.	4.0	1
7689	Characteristic functions for cosmological cross-correlations. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1824-1838.	4.4	2
7690	Vibration-based building health monitoring using spatio-temporal learning model. Engineering Applications of Artificial Intelligence, 2023, 126, 106858.	8.1	2
7691	C C^2-GaMe: Classification of cluster galaxy membership with machine learning. Astronomy and Computing, 2023, 45, 100743.	1.7	1
7692	The MUSE-Faint survey. Astronomy and Astrophysics, 2023, 678, A38.	5.1	1

#	Article	IF	Citations
7693	A survey of testicular texture in canine ultrasound images. Frontiers in Veterinary Science, 0, 10, .	2.2	0
7694	Young nearby open clusters and their luminosity functions. Astronomy and Astrophysics, 0, , .	5.1	0
7695	Sensitivity of hostile hemodynamics to aneurysm geometry via unsupervised shape interpolation. Computer Methods and Programs in Biomedicine, 2023, 241, 107762.	4.7	2
7696	PyPO: a Python package for Physical Optics. Journal of Open Source Software, 2023, 8, 5478.	4.6	0
7700	A Broken â€œÎ±â€"intensityâ€•Relation Caused by the Evolving Photosphere Emission and the Nature of the Extraordinarily Bright GRB 230307A. Astrophysical Journal Letters, 2023, 953, L8.	8.3	5
7701	A Manifesto for Rewarding and Recognizing Team Infrastructure Roles. Journal of Trial and Error, 0, , .	0.5	2
7702	Localization of binary neutron star mergers with a single cosmic explorer. Physical Review D, 2023, 108, .	4.7	4
7703	Revisiting the Oldest Stars as Cosmological Probes: New Constraints on the Hubble Constant. Astrophysical Journal, 2023, 953, 149.	4.5	9
7704	Effect of interface model parameters on the numerical response of a FE model for predicting the FRCM-to-masonry bond. Acta Mechanica, 0, , .	2.1	1
7706	On constraining cosmology and the halo mass function with weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2023, 525, 4871-4886.	4.4	4
7707	Comparing Globular Cluster System Properties withÂHost Galaxy Environment*. Astrophysical Journal, 2023, 953, 154.	4.5	1
7708	Integrating embodied greenhouse gas emissions assessment into the structural design of tall buildings: A framework and software tool for design decision-making. Energy and Buildings, 2023, 297, 113462.	6.7	5
7710	QMLMaterialâ"€A Quantum Machine Learning Software for Material Design and Discovery. Journal of Chemical Theory and Computation, 2023, 19, 5999-6010.	5.3	2
7711	Combination of hydrophobicity and codon usage bias determines sorting of model K^+ channel protein to either mitochondria or endoplasmic reticulum. Traffic, 2023, 24, 533-545.	2.7	0
7712	Theoretical Systematics in Testing the Cosmological Principle with the Kinematic Quasar Dipole. Astrophysical Journal, 2023, 953, 144.	4.5	3
7713	Catalog of Integrated-light Star Cluster Light Curves in TESS. Astronomical Journal, 2023, 166, 106.	4.7	1
7714	Single-cell RNA sequencing and analysis of rodent blood stage Plasmodium. STAR Protocols, 2023, 4, 102491.	1.2	0
7715	AstroPhot: Fitting Everything Everywhere All at Once in Astronomical Images. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0

#	ARTICLE	IF	CITATIONS
7716	Massive binary black holes from Population II and III stars. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2891-2906.	4.4	1
7717	Machine learning for accurate methane concentration predictions: short-term training, long-term results. Environmental Research Communications, 2023, 5, 081003.	2.3	1
7718	Variability of visual field maps in human early extrastriate cortex challenges the canonical model of organization of V2 and V3. ELife, 0, 12, .	6.0	0
7721	High-resolution emission spectroscopy retrievals of MASCARA-1b with CRIRES+: strong detections of CO, H2O, and Fe emission lines and a C/O consistent with solar. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2985-3005.	4.4	0
7722	Implications of pulsar timing array observations for <i>LISA</i> detections of massive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2851-2863.	4.4	4
7723	Experimentally validated machine learning predictions of ultralow thermal conductivity for SnSe materials. Journal of Materials Chemistry C, 2023, 11, 11643-11652.	5.5	0
7724	A novel radio imaging method for physical spectral index modelling. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7725	Stellar Bars in Isolated Gas-rich Spiral Galaxies Do Not Slow Down. Astrophysical Journal, 2023, 953, 173.	4.5	3
7726	The Dark Energy Survey Year 3 high redshift sample: Selection, characterization and analysis of galaxy clustering. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7727	On the conditions for warping and breaking protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2616-2631.	4.4	2
7729	The Runaway Greenhouse Effect on Hycean Worlds. Astrophysical Journal, 2023, 953, 168.	4.5	7
7730	An objective criterion to evaluate sequence-similarity networks helps in dividing the protein family sequence space. PLoS Computational Biology, 2023, 19, e1010881.	3.2	1
7731	Machine learning classification can significantly reduce the cost of calculating the Hamiltonian matrix in CI calculations. Journal of Chemical Physics, 2023, 159, .	3.0	6
7732	The <i>JWST</i> FRESCO survey: legacy NIRCam/grism spectroscopy and imaging in the two GOODS fields. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2864-2874.	4.4	22
7733	SN 2022acko: The First Early Far-ultraviolet Spectra of a Type IIP Supernova. Astrophysical Journal Letters, 2023, 953, L18.	8.3	3
7734	Sentiment analysis and topic modeling of COVID-19 tweets of India. International Journal of Systems Assurance Engineering and Management, 0, , .	2.4	0
7736	Distributions and Physical Properties of Molecular Clouds in the Third Galactic Quadrant: l = [219.Â°75, 229.Â°75] and b = [â˜5.Â°25, 5.Â°25]. Astrophysical Journal, Supplement Series, 2023, 268, 1.	7.7	0
7737	Conformational Fluctuations and Induced Orientation of a Protein, Its Solvation Shell, and Bulk Water in Weak Non-Unfolding External Electric Fields. Journal of Physical Chemistry B, 2023, 127, 7417-7430.	2.6	0

#	Article	IF	Citations
7738	Saccade-responsive visual cortical neurons do not exhibit distinct visual response properties. ENeuro, 0, , ENEURO.0051-23.2023.	1.9	0
7739	A Hierarchical Bayesian Framework for Inferring the Stellar Obliquity Distribution. Astronomical Journal, 2023, 166, 112.	4.7	4
7741	Haralick texture analysis for microdosimetry: characterization of Monte Carlo generated 3D specific energy distributions. Physics in Medicine and Biology, 0, , .	3.0	0
7742	Thermal Energy Census with the Sunyaevâ€"Zelâ€™dovich Effect of DESI Galaxy Clusters/Groups and Its Implication on the Weak-lensing Power Spectrum. Astrophysical Journal, 2023, 953, 188.	4.5	2
7743	A Machine Learning Approach to Qualitatively Evaluate Different Granulation Phases by Acoustic Emissions. Pharmaceutics, 2023, 15, 2153.	4.5	0
7744	Supporting Decision Making for Building Decarbonization: Developing Surrogate Models for Multi-Criteria Building Retrofitting Analysis. Energies, 2023, 16, 6030.	3.1	1
7745	The Kiloparsec-scale Influence of the AGN in NGC 1068 with SALT RSS Fabryâ€"PÃ©rot Spectroscopy*. Astronomical Journal, 2023, 166, 111.	4.7	0
7746	Hierarchical Inference of the Lensing Convergence from Photometric Catalogs with Bayesian Graph Neural Networks. Astrophysical Journal, 2023, 953, 178.	4.5	0
7747	TEE: Real-Time Purchase Prediction Using Time Extended Embeddings for Representing Customer Behavior. Journal of Theoretical and Applied Electronic Commerce Research, 2023, 18, 1404-1418.	5.7	2
7748	Dark Matter Halo Properties of the Galactic Dwarf Satellites: Implication for Chemo-dynamical Evolution of the Satellites and a Challenge to Lambda Cold Dark Matter. Astrophysical Journal, 2023, 953, 185.	4.5	3
7749	The white dwarf massâ€"orbital period relation under wind mass-loss. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2605-2615.	4.4	2
7750	Modeling Apsidal Motion in Eclipsing Binaries Using ELC. Astronomical Journal, 2023, 166, 114.	4.7	0
7751	napari-imagej: ImageJ ecosystem access from napari. Nature Methods, 2023, 20, 1443-1444.	19.0	2
7752	The impact of seismic noise produced by wind turbines on seismic borehole measurements. Solid Earth, 2023, 14, 859-869.	2.8	0
7753	Streamlined lensed quasar identification in multiband images via ensemble networks. Astronomy and Astrophysics, 2023, 678, A103.	5.1	2
7754	DELVE 6: An Ancient, Ultra-faint Star Cluster on the Outskirts of the Magellanic Clouds. Astrophysical Journal Letters, 2023, 953, L21.	8.3	2
7755	Speckle imaging of Î³2 Velorum: the inner wind possibly resolved. Monthly Notices of the Royal Astronomical Society, 2023, 525, 3195-3200.	4.4	0
7756	Variability Catalog of Stars Observed during the TESS Prime Mission. Astrophysical Journal, Supplement Series, 2023, 268, 4.	7.7	10

#	Article	IF	Citations
7757	DES Y3 cosmic shear down to small scales: Constraints on cosmology and baryons. Astronomy and Astrophysics, 2023, 678, A109.	5.1	3
7758	Development Efforts forÂReproducible Research: Platform, Library andÂEditorial Investment. Lecture Notes in Computer Science, 2023, , 3-21.	1.3	0
7759	Skin Tone Analysis for Representation in Educational Materials (STAR-ED) using machine learning. Npj Digital Medicine, 2023, 6, .	10.9	3
7760	Spatial localization of high-frequency particle oscillations in a complex plasma monolayer. Journal Physics D: Applied Physics, 2023, 56, 485203.	2.8	1
7762	Pillar[n]MaxQ sensing ensemble: Application to world anti-doping agency banned substances. Tetrahedron, 2023, 145, 133607.	1.9	2
7764	Collapse caldera walls: Mechanical controls on slope failure and morphology. Journal of Volcanology and Geothermal Research, 2023, 442, 107893.	2.1	3
7765	SRGeJ045359.9+622444: A 55 Minute Period Eclipsing AM Canum Venaticorum Star Discovered from a Joint SRG/eROSITA + ZTF Search. Astrophysical Journal, 2023, 954, 63.	4.5	1
7766	Integrative teaching of metabolic modeling and flux analysis with interactive python modules. Biochemistry and Molecular Biology Education, 2023, 51, 653-661.	1.2	0
7767	Photoemission orbital tomography for excitons in organic molecules. Physical Review B, 2023, 108, .	3.2	1
7768	No NLRP3 inflammasome activity in kidney epithelial cells, not even when the NLRP3-A350V Muckle-Wells variant is expressed in podocytes of diabetic mice. Frontiers in Immunology, 0, 14, .	4.8	3
7769	Multiphase condensation in cluster halos: Interplay of cooling, buoyancy and mixing. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7770	Machine learning pipeline for blood culture outcome prediction using Sysmex XN-2000 blood sample results in Western Australia. BMC Infectious Diseases, 2023, 23, .	2.9	2
7771	Cluster Analysis as a Tool for the Territorial Categorization of Energy Consumption in Buildings Based on Weather Patterns. Studies in Computational Intelligence, 2023, , 73-91.	0.9	0
7772	A Longitudinal Study of a Large Clinical Cohort of Patients with Lyme Disease and Tick-Borne Co-Infections Treated with Combination Antibiotics. Microorganisms, 2023, 11, 2152.	3.6	1
7774	A jolt to the system: ram pressure on low-mass galaxies in simulations of the local group. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
7776	Metrics As Scores: A Tool- and Analysis Suite and Interactive Application for Exploring Context-Dependent Distributions. Journal of Open Source Software, 2023, 8, 4913.	4.6	1
7777	Far-ultraviolet to Near-infrared Observations of SN 2023ixf: A High-energy Explosion Engulfed in Complex Circumstellar Material. Astrophysical Journal Letters, 2023, 954, L12.	8.3	13
7778	Equilibrium Spacetime Correlations of the Toda Lattice on the Hydrodynamic Scale. Journal of Statistical Physics, 2023, 190, .	1.2	2

#	Article	IF	Citations
7779	Iron-rich Metal-poor Stars and the Astrophysics of Thermonuclear Events Observationally Classified as Type Ia Supernovae. I. Establishing the Connection. Astronomical Journal, 2023, 166, 128.	4.7	1
7780	The Fine-scale Structure of Polar Coronal Holes. Astrophysical Journal, 2023, 954, 90.	4.5	0
7781	The Dependence of Iron-rich Metal-poor Star Occurrence on Galactic Environment Supports an Origin in Thermonuclear Supernova Nucleosynthesis. Astronomical Journal, 2023, 166, 127.	4.7	0
7782	Swift Follow-up of Reported Radio Pulsars at Fermi 4FGL Unassociated Sources. Astrophysical Journal, 2023, 954, 94.	4.5	0
7783	EnMAP-Box: Imaging spectroscopy in QGIS. SoftwareX, 2023, 23, 101507.	2.6	1
7784	Improving image classification of one-dimensional convolutional neural networks using Hilbert space-filling curves. Applied Intelligence, 0, , .	5.3	0
7785	Domain Imaging in Periodic Submicron Wide Nanostructures by Digital Drift Correction in Kerr Microscopy. Advanced Photonics Research, 0, , .	3.6	0
7786	TastePeptides-EEG: An Ensemble Model for Umami Taste Evaluation Based on Electroencephalogram and Machine Learning. Journal of Agricultural and Food Chemistry, 0, , .	5.2	1
7787	3D-Vision-Transformer Stacking Ensemble for Assessing Prostate Cancer Aggressiveness from T2w Images. Bioengineering, 2023, 10, 1015.	3.5	2
7788	Evolution of Nonparametric Morphology of Galaxies in the JWST CEERS Field at $z \approx$ 0.8–3.0. Astrophysical Journal, 2023, 954, 113.	4.5	3
7789	CEERS: MIRI deciphers the spatial distribution of dust-obscured star formation in galaxies at 0.1 < z < 2.5. Astronomy and Astrophysics, 2023, 678, A83.	5.1	5
7790	Gene expression flux analysis reveals specific regulatory modalities of gene expression. IScience, 2023, 26, 107758.	4.1	0
7791	Evaluation of Augmentation Methods in Classifying Autism Spectrum Disorders from fMRI Data with 3D Convolutional Neural Networks. Diagnostics, 2023, 13, 2773.	2.6	3
7792	NuSTAR Observations of Four Mid-IR–Selected Dual AGN Candidates in Galaxy Mergers. Astrophysical Journal, 2023, 954, 116.	4.5	0
7793	Widespread changes in Southern Ocean phytoplankton blooms linked to climate drivers. Nature Climate Change, 2023, 13, 975-984.	18.8	3
7794	Exotic energy injection in the early Universe. I. A novel treatment for low-energy electrons and photons. Physical Review D, 2023, 108, .	4.7	4
7795	Exotic energy injection in the early Universe. II. CMB spectral distortions and constraints on light dark matter. Physical Review D, 2023, 108, .	4.7	5
7797	The MUSE-Faint survey. IV. Dissecting Leo T, a gas-rich relic with recent star formation. Astronomy and Astrophysics, 0, , .	5.1	1

#	Article	IF	Citations
7798	Orbital Alignment of the Eccentric Warm Jupiter TOI-677 b. Astronomical Journal, 2023, 166, 130.	4.7	5
7799	Correlative Atomic Force Microscopy and Raman Spectroscopy in Acid Erosion of Dentin. Microscopy and Microanalysis, 0, , .	0.4	0
7800	As Simple as Possible but No Simpler: Optimizing the Performance of Neural Net Emulators for Galaxy SED Fitting. Astrophysical Journal, 2023, 954, 132.	4.5	2
7801	SPYGLASS. IV. New Stellar Survey of Recent Star Formation within 1 kpc. Astrophysical Journal, 2023, 954, 134.	4.5	1
7802	Predicting and Interpreting Protein Developability Via Transfer of Convolutional Sequence Representation. ACS Synthetic Biology, 0, , .	3.8	0
7803	Connected Component Analysis of Dynamical Perturbation Contact Networks. Journal of Physical Chemistry B, 0, , .	2.6	0
7804	Metric geometry tools for automatic structure phase map generation. , 0, , .		1
7806	Two state reactivity (TSR) and hydrogen tunneling reaction kinetics measured in the Co^+ mediated decomposition of CH_3CHO. Physical Chemistry Chemical Physics, 0, , .	2.8	0
7807	Effect of temperature on carbon accumulation in northern lake systems over the past 21,000 years. Frontiers in Earth Science, 0, 11, .	1.8	1
7808	A Rotating Satellite Plane around Milky Way–like Galaxy from the TNG50 Simulation. Astrophysical Journal, 2023, 954, 128.	4.5	2
7809	Uncovering the dynamics of cellular responses induced by iron-carbohydrate complexes in human macrophages using quantitative proteomics and phosphoproteomics. Biomedicine and Pharmacotherapy, 2023, 166, 115404.	5.6	1
7810	The Virtual Rotor Kit Project: A virtual rotor test rig for balancing experiments. International Journal of Mechanical Engineering Education, 0, , .	1.0	0
7811	Relation between sampling, sensitivity and precision in strain mapping using the Geometric Phase Analysis method in Scanning Transmission Electron Microscopy. Ultramicroscopy, 2024, 255, 113842.	1.9	0
7812	Toluene–Mediated Morphology Tuning of Diblock Copolymer–Templated Porous Si/Ge/K/C Thin Films for Li–Ion Batteries. Advanced Energy and Sustainability Research, 2023, 4, .	5.8	1
7813	Recipes for Jet Feedback and Spin Evolution of Black Holes with Strongly Magnetized Super-Eddington Accretion Disks. Astrophysical Journal Letters, 2023, 954, L22.	8.3	1
7814	The Rapid ASKAP Continuum Survey III: Spectra and Polarisation In Cutouts of Extragalactic Sources (SPICE-RACS) first data release. Publications of the Astronomical Society of Australia, 2023, 40, .	3.4	0
7815	Brain-region-specific changes in neurons and glia and dysregulation of dopamine signaling in Grin2a mutant mice. Neuron, 2023, 111, 3378-3396.e9.	8.1	6
7816	Using big data and machine learning to rank traffic signals in Tennessee. Journal of Traffic and Transportation Engineering (English Edition), 2023, , .	4.2	0

#	ARTICLE	IF	CITATIONS
7818	Evaluating efficiency and accuracy of deep-learning-based approaches on study selection for psychiatry systematic reviews. , 0, , .		0
7819	A machine-learning tool to predict substrate-adaptive conditions for Pd-catalyzed C–N couplings. Science, 2023, 381, 965-972.	12.6	7
7820	New Approaches to the Diffractometer Calibration. Study of InSb in the 90-490ÂK Temperature Range. Journal of Structural Chemistry, 2023, 64, 1399-1411.	1.0	1
7821	Interactive molecular dynamics in virtual reality for modelling materials and catalysts. Journal of Molecular Graphics and Modelling, 2023, 125, 108606.	2.4	2
7822	A JWST transmission spectrum of the nearby Earth-sized exoplanet LHS 475 b. Nature Astronomy, 2023, 7, 1317-1328.	10.1	20
7823	Large-scale Evolution of Seconds-long Relativistic Jets from Black Hole–Neutron Star Mergers. Astrophysical Journal Letters, 2023, 954, L21.	8.3	9
7824	Sudden Extreme Obscuration of a Sun-like Main-sequence Star: Evolution of the Circumstellar Dust around ASASSN-21qj. Astrophysical Journal, 2023, 954, 140.	4.5	1
7825	A three-component giant radio halo: The puzzling case of the galaxy cluster Abell 2142. Astronomy and Astrophysics, 0, , .	5.1	2
7826	Multielement Z-tag imaging by X-ray fluorescence microscopy for next-generation multiplex imaging. Nature Methods, 2023, 20, 1310-1322.	19.0	4
7827	Tunable assembly of host–guest colloidal crystals. Soft Matter, 2023, 19, 7011-7019.	2.7	1
7828	PyMC: a modern, and comprehensive probabilistic programming framework in Python. PeerJ Computer Science, 0, 9, e1516.	4.5	21
7829	ALMA 0.5 kpc Resolution Spatially Resolved Investigations of Nuclear Dense Molecular Gas Properties in Nearby Ultraluminous Infrared Galaxies Based on HCN and HCO^+ Three Transition Line Data. Astrophysical Journal, 2023, 954, 148.	4.5	0
7831	AT 2022aedm and a New Class of Luminous, Fast-cooling Transients in Elliptical Galaxies. Astrophysical Journal Letters, 2023, 954, L28.	8.3	5
7832	Computers as a Tool to Empower Students and Enhance Their Learning Experience: A Social Sciences Case Study. Education Sciences, 2023, 13, 886.	2.6	0
7833	Characterizing the transmembrane domains of ADAM10 and BACE1 and the impact of membrane composition. Biophysical Journal, 2023, , .	0.5	0
7834	Landscape of High-Performance Python to Develop Data Science and Machine Learning Applications. ACM Computing Surveys, 2024, 56, 1-30.	23.0	1
7835	High-resolution [O i] Line Spectral Mapping of TW Hya Consistent with X-Ray-driven Photoevaporation. Astrophysical Journal Letters, 2023, 955, L11.	8.3	2
7836	Annotated Coadds: Concise Metrics for Characterizing Survey Cadence and for Discovering Variable and Transient Sources. Publications of the Astronomical Society of the Pacific, 2023, 135, 084503.	3.1	0

#	Article	IF	Citations
7837	Element similarity in high-dimensional materials representations. , 2023, 2, 1558-1564.		0
7838	Large-scale measurement of soil organic carbon using compact near-infrared spectrophotometers: effect of soil sample preparation and the use of local modelling. Environmental Science Advances, 2023, 2, 1372-1381.	2.7	1
7839	A Computational Study on Polar ABiO3 (A = Ca, Zn, Mg) Compounds with Large Electric Polarization. Crystals, 2023, 13, 1403.	2.2	0
7840	Modelling of Peristaltic Pumps with Respect to Viscoelastic Tube Material Properties and Fatigue Effects. Fluids, 2023, 8, 254.	1.7	0
7841	The dusty Rossby wave instability (DRWI): linear analysis and simulations of turbulent dust-trapping rings in protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2023, 526, 80-105.	4.4	1
7842	Revisiting UV/optical continuum time lags in AGN. Monthly Notices of the Royal Astronomical Society, 2023, 526, 138-151.	4.4	4
7843	The timeless timing argument and the total mass of the Local Group. Monthly Notices of the Royal Astronomical Society: Letters, 2023, 526, L77-L82.	3.3	0
7844	Phylogenetic inference using generative adversarial networks. Bioinformatics, 2023, 39, .	4.1	0
7845	Estimating black hole spin from AGN SED fitting: the impact of general-relativistic ray tracing. Monthly Notices of the Royal Astronomical Society, 2023, 525, 3455-3467.	4.4	3
7846	Late-time *HST* UV and optical observations of AT 2018cow: extracting a cow from its background. Monthly Notices of the Royal Astronomical Society, 2023, 525, 4042-4056.	4.4	2
7847	Deployment of an Automated Method Verification-Graphical User Interface (MV-GUI) Software. BioMedInformatics, 2023, 3, 632-648.	2.0	0
7848	Predicting COVID-19 prognosis in hospitalized patients based on early status. MBio, 0, , .	4.1	1
7849	Asteroseismology of Î´ Scuti stars: emulating model grids using a neural network. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5235-5244.	4.4	4
7850	Relative baryon-dark matter velocities in cosmological zoom simulations. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5479-5491.	4.4	2
7851	Spurious heating of stellar motions by dark matter particles in cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5614-5630.	4.4	3
7852	Cool and gusty, with a chance of rain: dynamics of multiphase CGM around massive galaxies in the Romulus simulations. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5677-5701.	4.4	3
7853	thesan-hr: how does reionization impact early galaxy evolution?. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5932-5950.	4.4	4
7854	ALMA observations of the Extended Green Object G19.01â€"0.03 â€" ii. A massive protostar with typical chemical abundances surrounded by four low-mass pre-stellar core candidates. Monthly Notices of the Royal Astronomical Society, 2023, 525, 6146-6169.	4.4	0

#	ARTICLE	IF	CITATIONS
7855	Bridging imaging users to imaging analysis – A community survey. Journal of Microscopy, 0, , .	1.8	1
7856	Estimating vulnerability metrics with word embedding and multiclass classification methods. International Journal of Information Security, 0, , .	3.4	1
7857	Camera-based automated monitoring of flying insects (Camfi). I. Field and computational methods. Frontiers in Insect Science, 0, 3, .	2.1	1
7858	Interpretable Machine Learning for Assessing the Cumulative Damage of a Reinforced Concrete Frame Induced by Seismic Sequences. Sustainability, 2023, 15, 12768.	3.2	0
7859	Earth as a Transiting Exoplanet: A Validation of Transmission Spectroscopy and Atmospheric Retrieval Methodologies for Terrestrial Exoplanets. Planetary Science Journal, 2023, 4, 170.	3.6	3
7860	Formation of droplets in microfluidic cross-junctions at small capillary numbers: Breakdown of the classical squeezing regime. Chemical Engineering Journal, 2023, 474, 145601.	12.7	1
7861	Testing the cosmological principle with CatWISE quasars: a bayesian analysis of the number-count dipole. Monthly Notices of the Royal Astronomical Society, 2023, 525, 231-245.	4.4	7
7862	Numerical simulations of the random angular momentum in convection – II. Delayed explosions of red supergiants following 'failed' supernovae. Monthly Notices of the Royal Astronomical Society, 2023, 525, 1229-1245.	4.4	8
7863	Emergent analogical reasoning in large language models. Nature Human Behaviour, 2023, 7, 1526-1541.	12.0	27
7864	Simulation of neutral beam current drive on EAST tokamak. Physics of Plasmas, 2023, 30, .	1.9	0
7865	Noise Reduction Methods for Large-scale Intensity-mapping Measurements with Infrared Detector Arrays. Astrophysical Journal, Supplement Series, 2023, 268, 44.	7.7	0
7866	A Value-added COSMOS2020 Catalog of Physical Properties: Constraining Temperature-dependent Initial Mass Function. Astrophysical Journal, Supplement Series, 2023, 268, 10.	7.7	1
7867	Rubin Observatory's Survey Strategy Performance for Tidal Disruption Events. Astrophysical Journal, Supplement Series, 2023, 268, 13.	7.7	1
7868	Catalog of the Galactic Population of X-Ray Pulsars in High-mass X-Ray Binary Systems. Astrophysical Journal, Supplement Series, 2023, 268, 21.	7.7	0
7869	A Self-gravity Module for the PLUTO Code. Astrophysical Journal, Supplement Series, 2023, 268, 40.	7.7	0
7870	Application of Open-Source, Python-Based Tools for the Simulation of Electrochemical Systems. Journal of the Electrochemical Society, 2023, 170, 103501.	2.9	1
7871	Artificial Neural Network Model with Astrocyte-Driven Short-Term Memory. Biomimetics, 2023, 8, 422.	3.3	1
7872	Tidally-induced nonlinear resonances in EMRIs with an analogue model. Classical and Quantum Gravity, 2023, 40, 215015.	4.0	1

#	ARTICLE	IF	CITATIONS
7873	Ligand binding of interleukin-8: a comparison of glycosaminoglycans and acidic peptides. Physical Chemistry Chemical Physics, 2023, 25, 24930-24947.	2.8	0
7874	On the detectability of strong lensing in near-infrared surveys. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2341-2354.	4.4	0
7875	Different higher order kinematics between star-forming and quiescent galaxies based on the SAMI, MAGPI, and LEGA-C surveys. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2765-2788.	4.4	1
7876	Evolution in the orbital structure of quiescent galaxies from MAGPI, LEGA-C, and SAMI surveys: direct evidence for merger-driven growth over the last 7 Gyr. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2789-2805.	4.4	1
7877	Fisher matrix forecasts on the astrophysics of galaxies during the epoch of reionization from the 21-cm power spectra. Monthly Notices of the Royal Astronomical Society, 2023, 525, 3032-3047.	4.4	0
7878	A STAM Model Based on Spatiotemporal Airspace Sector Interdependencies to Minimize Tactical Flow Management Regulations. Aerospace, 2023, 10, 847.	2.2	0
7879	Artificial intelligence system for enhanced automated 1,3-propanediol green biosynthesis. Green Chemistry, 2023, 25, 9175-9186.	9.0	1
7880	Static embedding with pair coupled cluster doubles based methods. Physical Chemistry Chemical Physics, 2023, 25, 25377-25388.	2.8	2
7881	Monte Carlo simulations of cell survival in proton SOBP. Physics in Medicine and Biology, 2023, 68, 195024.	3.0	0
7882	The SAMI galaxy survey: impact of black hole activity on galaxy spin–filament alignments. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1613-1632.	4.4	1
7883	*JWST*/NIRSpec spectroscopy of *z* = 7–9 star-forming galaxies with CEERS: new insight into bright Lyα emitters in ionized bubbles. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1657-1686.	4.4	30
7884	Decoding the age–chemical structure of the Milky Way disc: an application of copulas and elicitable maps. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1997-2016.	4.4	0
7885	Magnetically confined mountains on accreting neutron stars in general relativity. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2058-2066.	4.4	1
7886	Neural decoding reveals specialized kinematic tuning after an abrupt cortical transition. Cell Reports, 2023, 42, 113119.	6.4	2
7887	Implementation of machine learning protocols to predict the hydrolysis reaction properties of organophosphorus substrates using descriptors of electron density topology. Journal of Computational Chemistry, 0, , .	3.3	0
7888	Improved weed segmentation in UAV imagery of sorghum fields with a combined deblurring segmentation model. Plant Methods, 2023, 19, .	4.3	4
7889	Evidence of Abrupt Transitions Between Sea Ice Dynamical Regimes in the East Greenland Marginal Ice Zone. Geophysical Research Letters, 2023, 50, .	4.0	1
7890	Influence of specific energy inhomogeneity on the CO_2 splitting performance in a high-power plasma jet. Vacuum, 2023, 217, 112500.	3.5	0

#	Article	IF	Citations
7891	Effects of storage conditions on the molecular-level composition of organic aerosol particles. Atmospheric Chemistry and Physics, 2023, 23, 9161-9171.	4.9	2
7892	Navigating the postpandemic theme park experience: an experiencescape perspective. , 0, , .		0
7894	Sequence anticipation and spike-timing-dependent plasticity emerge from a predictive learning rule. Nature Communications, 2023, 14, .	12.8	1
7895	Neural network predicts ion concentration profiles under nanoconfinement. Journal of Chemical Physics, 2023, 159, .	3.0	0
7896	Recombulator-X: A fast and user-friendly tool for estimating X chromosome recombination rates in forensic genetics. PLoS Computational Biology, 2023, 19, e1011474.	3.2	0
7897	IllustrisTNG in the HSC-SSP: image data release and the major role of mini mergers as drivers of asymmetry and star formation. Monthly Notices of the Royal Astronomical Society, 2023, 527, 6506-6539.	4.4	5
7898	Group†level brain decoding with deep learning. Human Brain Mapping, 2023, 44, 6105-6119.	3.6	1
7899	Adaptive Ensemble Refinement of Protein Structures in High Resolution Electron Microscopy Density Maps with Radical Augmented Molecular Dynamics Flexible Fitting. Journal of Chemical Information and Modeling, 2023, 63, 5834-5846.	5.4	1
7900	Flash entropy search to query all mass spectral libraries in real time. Nature Methods, 2023, 20, 1475-1478.	19.0	3
7901	Development of an automated estimation of foot process width using deep learning in kidney biopsies from patients with Fabry, minimal change, and diabetic kidney diseases. Kidney International, 2023, , .	5.2	0
7902	Maturation and refinement of the maculae and foveae in the Anolis sagrei lizard. Experimental Eye Research, 2023, 234, 109611.	2.6	1
7903	νDoBe †" A Python tool for neutrinoless double beta decay. Journal of High Energy Physics, 2023, 2023, .	4.7	2
7904	Machine learning assisted phase and size-controlled synthesis of iron oxide particles. Chemical Engineering Journal, 2023, 473, 145216.	12.7	1
7905	CNN-Res: deep learning framework for segmentation of acute ischemic stroke lesions on multimodal MRI images. BMC Medical Informatics and Decision Making, 2023, 23, .	3.0	0
7906	Changes in the thermodynamical profiles of the subsurfaceÂocean and atmosphere induce cyclones to congregate over the Eastern Arabian Sea. Scientific Reports, 2023, 13, .	3.3	0
7907	Exploration of cell state heterogeneity using single-cell proteomics through sensitivity-tailored data-independent acquisition. Nature Communications, 2023, 14, .	12.8	17
7908	Reliability and validity of brain†gastric phase synchronization. Human Brain Mapping, 2023, 44, 4956-4966.	3.6	1
7909	Determining glass transition in all-atom acrylic polymeric melt simulations using machine learning. Journal of Chemical Physics, 2023, 159, .	3.0	2

#	Article	IF	Citations
7910	Small body harvest with the Antarctic Search for Transiting Exoplanets (ASTEP) project. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3601-3609.	4.4	1
7911	Generative modeling of single-cell gene expression for dose-dependent chemical perturbations. Patterns, 2023, 4, 100817.	5.9	1
7912	A molecular mechanosensor for real-time visualization of appressorium membrane tension in Magnaporthe oryzae. Nature Microbiology, 2023, 8, 1508-1519.	13.3	4
7913	Domain Adaptation for Simulation-based Dark Matter Searches with Strong Gravitational Lensing. Astrophysical Journal, 2023, 954, 28.	4.5	0
7914	A Novel Method for Extracting and Analyzing the Geometry Properties of the Shortest Pedestrian Paths Focusing on Open Geospatial Data. ISPRS International Journal of Geo-Information, 2023, 12, 288.	2.9	0
7915	Uncertainty assessment of proarrhythmia predictions derived from multi-level in silico models. Archives of Toxicology, 2023, 97, 2721-2740.	4.2	1
7916	Comparative genomics of Mollicutes-related endobacteria supports a late invasion into Mucoromycota fungi. Communications Biology, 2023, 6, .	4.4	0
7917	Investigating topological order using recurrent neural networks. Physical Review B, 2023, 108, .	3.2	4
7918	Kinematic signatures of a low-mass planet with a moderately inclined orbit in a protoplanetary disk. Publication of the Astronomical Society of Japan, 0, , .	2.5	0
7919	Gravitational Wave Eigenfrequencies from Neutrino-driven Core-collapse Supernovae. Astrophysical Journal, 2023, 954, 161.	4.5	1
7920	Synchronized wearables for the detection of haemodynamic states via electrocardiography and multispectral photoplethysmography. Nature Biomedical Engineering, 2023, 7, 1229-1241.	22.5	4
7921	Deep representation learning identifies associations between physical activity and sleep patterns during pregnancy and prematurity. Npj Digital Medicine, 2023, 6, .	10.9	5
7922	On the numerical treatment of interlaced target values: modeling, optimization and simulation of regulating valves in gas networks. Optimization and Engineering, 2024, 25, 491-527.	2.4	0
7923	Studying stochastic systems biology of the cell with single-cell genomics data. Cell Systems, 2023, 14, 822-843.e22.	6.2	7
7924	Integrating Mechanistic and Toxicokinetic Information in Predictive Models of Cholestasis. Journal of Chemical Information and Modeling, 2024, 64, 2775-2788.	5.4	0
7925	Deep learning based phenotyping of medical images improves power for gene discovery of complex disease. Npj Digital Medicine, 2023, 6, .	10.9	0
7926	Kinematic Gait Analysis in People with Mild-Disability Multiple Sclerosis Using Statistical Parametric Mapping: A Cross-Sectional Study. Sensors, 2023, 23, 7671.	3.8	2
7927	An artificial intelligence course for chemical engineers. Education for Chemical Engineers, 2023, 45, 141-150.	4.8	0

#	ARTICLE	IF	CITATIONS
7928	Taxonomic disagreement about ranks in gray-area taxa: A vignette study. BioScience, 2023, 73, 728-737.	4.9	2
7929	A conserved pressure-driven mechanism for regulating cytosolic osmolarity. Current Biology, 2023, 33, 3325-3337.e5.	3.9	2
7930	Effect of ignoring eccentricity in testing general relativity with gravitational waves. Physical Review D, 2023, 108, .	4.7	2
7931	Ebike Sharing vs. Bike Sharing: Demand Prediction Using Deep Neural Networks and Random Forests. Sustainability, 2023, 15, 13898.	3.2	1
7932	Reactor physics characterization of triply periodic minimal surface-based nuclear fuel lattices. Progress in Nuclear Energy, 2023, 165, 104895.	2.9	0
7933	A VERITAS/Breakthrough Listen Search for Optical Technosignatures. Astronomical Journal, 2023, 166, 84.	4.7	0
7934	Scipion-EM-ProDy: A Graphical Interface for the ProDy Python Package within the Scipion Workflow Engine Enabling Integration of Databases, Simulations and Cryo-Electron Microscopy Image Processing. International Journal of Molecular Sciences, 2023, 24, 14245.	4.1	1
7935	Pathological pallidal beta activity in Parkinsonâ€™s disease is sustained during sleep and associated with sleep disturbance. Nature Communications, 2023, 14, .	12.8	5
7936	Distributed out-of-memory NMF on CPU/GPU architectures. Journal of Supercomputing, 0, , .	3.6	0
7937	Hybrid Machine Learning Approach to Predict the Site Selectivity of Iridium-Catalyzed Arene Borylation. Journal of the American Chemical Society, 2023, 145, 17367-17376.	13.7	6
7938	Sensitive test of non-Gaussianity in gravitational-wave detector data. Physical Review D, 2023, 108, .	4.7	3
7939	DeePMD-kit v2: A software package for deep potential models. Journal of Chemical Physics, 2023, 159, .	3.0	39
7940	Benchtop impaction device replicates cadaveric loading conditions of the transforaminal lumbar interbody fusion (TLIF) procedure. Biomedical Engineering Advances, 2023, 6, 100105.	3.8	0
7941	PhysioKit: An Open-Source, Low-Cost Physiological Computing Toolkit for Single- and Multi-User Studies. Sensors, 2023, 23, 8244.	3.8	0
7942	Climate Impact on Irrigation Water Use in Jiangsu Province, China: An Analysis Using Empirical Mode Decomposition (EMD). Water (Switzerland), 2023, 15, 3013.	2.7	1
7943	Harnessing Code Interpreters for Enhanced Predictive Modeling: A Case Study on High-Density Lipoprotein Level Estimation in Romanian Diabetic Patients. Journal of Personalized Medicine, 2023, 13, 1466.	2.5	0
7944	SCA: recovering single-cell heterogeneity through information-based dimensionality reduction. Genome Biology, 2023, 24, .	8.8	1
7945	Reduced Scaling Real-Time Coupled Cluster Theory. Journal of Physical Chemistry A, 2023, 127, 8486-8499.	2.5	0

#	Article	IF	Citations
7946	Storage, Transport, and Fate of Perfluoroalkyl Acids (PFAAs) in a Wastewater Reuse and Groundwater Recharge System. Water Resources Research, 2023, 59, .	4.2	0
7947	HDAC6 detector: online application for evaluating compounds as potential histone deacetylase 6 inhibitors. SAR and QSAR in Environmental Research, 2023, 34, 619-637.	2.2	0
7948	A Reliability-Based Optimization Framework for Planning Operational Profiles for Unmanned Systems. Journal of Mechanical Design, Transactions of the ASME, 0, , 1-12.	2.9	0
7949	Binaries drive high Type Ia supernova rates in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
7950	Fine Structures of Radio Bursts from Flare Star AD Leo with FAST Observations. Astrophysical Journal, 2023, 953, 65.	4.5	3
7951	The Orion-Taurus ridge: A synchrotron radio loop at the edge of the Orion-Eridanus superbubble. Astronomy and Astrophysics, 2023, 677, L11.	5.1	0
7952	Composition and micromechanical properties of the femoral neck compact bone in relation to patient age, sex and hip fracture occurrence. Bone, 2023, 177, 116920.	2.9	0
7953	Fast and Accurate Calculation of the UV–Vis Spectrum with the Modified Local Excitation Approximation. Journal of Chemical Theory and Computation, 2023, 19, 5548-5562.	5.3	2
7955	Comprehensive analysis of relaxation decays from high-resolution relaxometry. Journal of Magnetic Resonance, 2023, 355, 107555.	2.1	1
7956	Anisotropic strong lensing as a probe of dark matter self-interactions. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5455-5470.	4.4	1
7957	Genetic algorithm for obtaining potential energy curve of diatomic molecules based on dispersed fluorescence spectra. Scientific Reports, 2023, 13, .	3.3	0
7958	<i>LifeSoaks</i>: a tool for analyzing solvent channels in protein crystals and obstacles for soaking experiments. Acta Crystallographica Section D: Structural Biology, 2023, 79, 837-856.	2.3	0
7959	Error-independent effect of sensory uncertainty on motor learning when both feedforward and feedback control processes are engaged. PLoS Computational Biology, 2023, 19, e1010526.	3.2	2
7960	The genetic architecture and evolution of the human skeletal form. Science, 2023, 381, .	12.6	7
7961	Behavioral and brain responses to verbal stimuli reveal transient periods of cognitive integration of the external world during sleep. Nature Neuroscience, 2023, 26, 1981-1993.	14.8	7
7962	Fast and Accurate Maximum-Likelihood Estimation of Multi-Type Birth–Death Epidemiological Models from Phylogenetic Trees. Systematic Biology, 0, , .	5.6	0
7963	PyLabRobot: An open-source, hardware-agnostic interface for liquid-handling robots and accessories. , 2023, 1, 100111.		3
7964	PySyComp: A Symbolic Python Library for the Undergraduate Quantum Chemistry Course. Journal of Chemical Education, 2023, 100, 4077-4084.	2.3	0

#	Article	IF	Citations
7965	`<tt>q-pac</tt>`: A Python package for machine learned charge equilibration models. Journal of Chemical Physics, 2023, 159, .	3.0	2
7966	Cosmological Constraints from the BOSS DR12 Void Size Function. Astrophysical Journal, 2023, 953, 46.	4.5	5
7967	An automated respiratory data pipeline for waveform characteristic analysis. Journal of Physiology, 2023, 601, 4767-4806.	2.9	1
7968	Inundationâ€"Desiccation State Prediction for Salt Pans in the Western Pannonian Basin Using Remote Sensing, Groundwater, and Meteorological Data. Remote Sensing, 2023, 15, 4659.	4.0	0
7969	Real-world evidence of ocrelizumab-treated relapsing multiple sclerosis cohort shows changes in progression independent of relapse activity mirroring phase 3 trials. Scientific Reports, 2023, 13, .	3.3	1
7970	Detecting molecules in Ariel low resolution transmission spectra. Experimental Astronomy, 0, , .	3.7	0
7971	Interior dynamics of super-Earth 55 Cancri e. Astronomy and Astrophysics, 2023, 678, A29.	5.1	0
7972	Efficient galaxy classification through pretraining. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	0
7974	Chemical footprints of giant planet formation. Astronomy and Astrophysics, 2023, 678, A33.	5.1	0
7975	Potential Atmospheric Compositions of TRAPPIST-1 c Constrained by JWST/MIRI Observations at 15 Î¼m. Astrophysical Journal Letters, 2023, 955, L7.	8.3	6
7976	Understanding and leveraging phenotypic plasticity during metastasis formation. Npj Systems Biology and Applications, 2023, 9, .	3.0	1
7977	Looking for a New Approach to Measuring the Spatial Concentration of the Human Population. Journal of Official Statistics, 2023, 39, 285-324.	0.4	0
7978	Domestic cat larynges can produce purring frequencies without neural input. Current Biology, 2023, 33, 4727-4732.e4.	3.9	2
7979	Quantifying Subâ€"Seasonal Growth Rate Changes in Fossil Giant Clams Using Wavelet Transformation of Daily Mg/Ca Cycles. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	0
7980	Protein remote homology detection and structural alignment using deep learning. Nature Biotechnology, 0, , .	17.5	11
7981	Investigation of deformation behaviour of uniaxially loaded sand grains using a novel high-resolution imaging apparatus and ensemble machine learning models. International Journal of Geotechnical Engineering, 2023, 17, 464-479.	2.0	0
7982	Better together: the complex interplay between radiative cooling and magnetic draping. Monthly Notices of the Royal Astronomical Society, 2023, 527, 135-149.	4.4	3
7983	Photometry and Polarimetry of 2010 XC$_{15}$: Observational Confirmation of E-type Near-Earth Asteroid Pair. Astrophysical Journal, 2023, 955, 143.	4.5	1

#	Article	IF	Citations
7984	Phase information is conserved in sparse, synchronous population-rate-codes via phase-to-rate recoding. Nature Communications, 2023, 14, .	12.8	0
7985	<tt>responsefun</tt>: Fun with Response Functions in the Algebraic Diagrammatic Construction Framework. Journal of Chemical Theory and Computation, 2023, 19, 6375-6391.	5.3	2
7986	Distinct neural representations during a brainâ€"machine interface and manual reaching task in motor cortex, prefrontal cortex, and striatum. Scientific Reports, 2023, 13, .	3.3	0
7987	Cell-Level Pathway Scoring Comparison withÂaÂBiologically Constrained Variational Autoencoder. Lecture Notes in Computer Science, 2023, , 62-77.	1.3	0
7988	Kinetics-constrained neural ordinary differential equations: Artificial neural network models tailored for small data to boost kinetic model development. Chemical Engineering Journal, 2023, 477, 146869.	12.7	2
7989	Spectral Salt-and-Pepper Patch Masking for Self-Supervised Speech Representation Learning. Mathematics, 2023, 11, 3418.	2.2	0
7990	Simulating Atomic Dark Matter in Milky Way Analogs. Astrophysical Journal Letters, 2023, 954, L40.	8.3	2
7991	Fatigue Strength Prediction ofÂNodular Cast Iron byÂShakedown Analysis. Lecture Notes in Applied and Computational Mechanics, 2023, , 133-158.	2.2	0
7992	A high-precision interpolation method for pulsed radio signals from cosmic-ray air showers. Journal of Instrumentation, 2023, 18, P09005.	1.2	1
7993	Detecting biased validation of predictive models in the positive-unlabeled setting: disease gene prioritization case study. Bioinformatics Advances, 2023, 3, .	2.4	0
7994	Computationally Efficient DNN Mapping Search Heuristic using Deep Reinforcement Learning. Transactions on Embedded Computing Systems, 2023, 22, 1-21.	2.9	0
7995	Lexically-Accelerated Dense Retrieval. , 2023, , .		3
7997	Galaxy Clustering in the Mira-Titan Universe. I. Emulators for the Redshift Space Galaxy Correlation Function and Galaxyâ€"Galaxy Lensing. Astrophysical Journal, 2023, 952, 80.	4.5	0
7998	Sub-volume analysis of pore-network simulations: Determining the asymptotic longitudinal dispersion coefficient. Advances in Water Resources, 2023, 181, 104541.	3.8	0
7999	Searches for continuous gravitational waves from neutron stars: A twenty-year retrospective. Astroparticle Physics, 2023, 153, 102880.	4.3	6
8000	Construction of multiple metagenome assembled genomes containing carbon monoxide dehydrogenases from anaerobic carbon monoxide enrichment cultures. Archives of Microbiology, 2023, 205, .	2.2	0
8001	Applications of the Dulmageâ€"Mendelsohn decomposition for debugging nonlinear optimization problems. Computers and Chemical Engineering, 2023, 178, 108383.	3.8	2
8002	Modeling the Role of Immune Cell Conversion in the Tumor-Immune Microenvironment. Bulletin of Mathematical Biology, 2023, 85, .	1.9	1

#	ARTICLE	IF	CITATIONS
8004	An Object-Oriented Computer Program for Structural Reliability Analysis (BI): Components and Methods. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , .	1.9	0
8005	Efficient multi-timescale dynamics of precessing black-hole binaries. Physical Review D, 2023, 108, .	4.7	6
8006	Discovery of a magnetar candidate X-ray pulsar in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5566-5574.	4.4	0
8007	Worldtube excision method for intermediate-mass-ratio inspirals: Scalar-field model in $3+1$ dimensions. Physical Review D, 2023, 108, .	4.7	0
8008	Variability of Known Exoplanet Host Stars Observed by TESS. Astronomical Journal, 2023, 166, 72.	4.7	1
8009	What is missing in autonomous discovery: open challenges for the community. , 2023, 2, 1644-1659.		3
8010	SN 2020bio: A Double-peaked, H-poor Type IIb Supernova with Evidence of Circumstellar Interaction. Astrophysical Journal, 2023, 954, 35.	4.5	1
8011	Accelerated non-negative tensor completion via integer programming. Frontiers in Applied Mathematics and Statistics, 0, 9, .	1.3	0
8012	Padding-Aware Learned Image Compression. , 2023, , .		0
8013	Hunting for exoplanets via magnetic star–planet interactions: geometrical considerations for radio emission. Monthly Notices of the Royal Astronomical Society, 2023, 524, 6267-6284.	4.4	1
8014	TMKit: a Python interface for computational analysis of transmembrane proteins. Briefings in Bioinformatics, 2023, 24, .	6.5	0
8015	A spatially structured mathematical model of the gut microbiome reveals factors that increase community stability. IScience, 2023, 26, 107499.	4.1	0
8016	SPICE point spread function correction: General framework and capability demonstration. Astronomy and Astrophysics, 2023, 678, A52.	5.1	2
8018	CRATE: A Python package to perform fast material simulations. Journal of Open Source Software, 2023, 8, 5594.	4.6	2
8019	Active Galactic Nuclei Feedback in SDSS-IV MaNGA: AGNs Have Suppressed Central Star Formation Rates. Astrophysical Journal, 2023, 953, 26.	4.5	1
8020	QLSU (QGIS Linear Spectral Unmixing) Plugin: An open source linear spectral unmixing tool for hyperspectral & multispectral remote sensing imagery. Environmental Modelling and Software, 2023, 168, 105782.	4.5	1
8021	Mass Accretion, Spectral, and Photometric Properties of T Tauri Stars in Taurus Based on TESS and LAMOST. Astronomical Journal, 2023, 166, 82.	4.7	2
8022	Measuring the Dust Attenuation Curves of SINGS/KINGFISH Galaxies Using Swift/UVOT Photometry. Astrophysical Journal, 2023, 953, 54.	4.5	0

#	Article	IF	Citations
8023	MUSEâ€"ALMA Haloes â€" IX. Morphologies and stellar properties of gas-rich galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5524-5547.	4.4	3
8024	<scp>ChemTSv2</scp>: Functional molecular design using de novo molecule generator. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2023, 13, .	14.6	3
8025	Nanoscale details of mitochondrial constriction revealed by cryoelectron tomography. Biophysical Journal, 2023, 122, 3768-3782.	0.5	6
8026	Further evidence of the link between activity and metallicity using the flaring properties of stars in the Kepler field. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5781-5786.	4.4	1
8027	Stochastic gradient descent for wind farm optimization. Wind Energy Science, 2023, 8, 1235-1250.	3.3	2
8028	AT 2021loi: A Bowen Fluorescence Flare with a Rebrightening Episode Occurring in a Previously Known AGN. Astrophysical Journal, 2023, 953, 32.	4.5	1
8029	Fourier Methods. , 2023, , 1-47.		0
8030	General relativistic hydrodynamic simulations of perturbed transonic accretion. Astronomy and Astrophysics, 2023, 678, A141.	5.1	0
8031	Perfusion-weighted software written in Python for DSC-MRI analysis. Frontiers in Neuroinformatics, 0, 17, .	2.5	0
8032	AlphaPeptStats: an open-source Python package for automated and scalable statistical analysis of mass spectrometry-based proteomics. Bioinformatics, 2023, 39, .	4.1	1
8033	An Analysis of Extended and Dilated Filters in Sharpening Algorithms. IEEE Access, 2023, 11, 81449-81465.	4.2	1
8034	On-sky speckle nulling through a single-mode fiber with the Keck Planet Imager and Characterizer. Journal of Astronomical Telescopes, Instruments, and Systems, 2023, 9, .	1.8	1
8036	Thermodynamically consistent determination of free energies and rates in kinetic cycle models. Biophysical Reports, 2023, 3, 100120.	1.2	2
8037	Federated learning for 5G base station traffic forecasting. Computer Networks, 2023, 235, 109950.	5.1	5
8038	Topological Analysis of Low Dimensional Phase Space Trajectories of High Dimensional EEG Signals For Classification of Interictal Epileptiform Discharges. , 2023, , .		2
8039	Continuous Inference of Time Recurrent Neural Networks for Field Oriented Control. , 2023, , .		0
8040	Comparison of reduction kinetics of Fe2O3, ZnOFe2O3 and ZnO with hydrogen (H2) and carbon monoxide (CO). International Journal of Hydrogen Energy, 2023, , .	7.1	1
8041	Sign Language Avatar Animation Search: An Ani2Ani Search Application. , 2023, , .		0

#	Article	IF	Citations
8042	The Rapid ASKAP Continuum Survey IV: continuum imaging at 1367.5 MHz and the first data release of RACS-mid. Publications of the Astronomical Society of Australia, 2023, 40, .	3.4	7
8043	MultiplexMS: A Mass Spectrometry-Based Multiplexing Strategy for Ultra-High-Throughput Analysis of Complex Mixtures. Analytical Chemistry, 2023, 95, 11908-11917.	6.5	0
8044	Machine Learning Based Method for Auditing Personnel Expenses in Public Expenditure. , 2023, , .		0
8045	Development of a machine-learning-based ionic-force correction model for quantum molecular dynamic simulations of warm dense matter. Physical Review Materials, 2023, 7, .	2.4	1
8046	OFA²: A Multi-Objective Perspective for the Once-for-All Neural Architecture Search. , 2023, , .		0
8047	An inner warp discovered in the disk around HD 110058 using VLT/SPHERE and HST/STIS. Astronomy and Astrophysics, 2023, 678, A8.	5.1	2
8051	The Robot@Home2 dataset: A new release with improved usability tools. SoftwareX, 2023, 23, 101490.	2.6	0
8052	Using the Gaia Excess Uncertainty as a Proxy for Stellar Variability and Age. Astrophysical Journal, 2023, 953, 127.	4.5	4
8053	The cortical microtubules of <i>Toxoplasma gondii</i> underlie the helicity of parasite movement. Journal of Cell Science, 2023, 136, .	2.0	5
8054	Study on thermal-hydraulic performance of printed circuit heat exchangers with supercritical methane based on machine learning methods. Energy, 2023, 282, 128711.	8.8	1
8056	Semianalytic sensitivity estimates for catalogs of gravitational-wave transients. Physical Review D, 2023, 108, .	4.7	2
8057	Bluebonnet: Scaling solutions for production analysis from unconventional oil and gas wells. Journal of Open Source Software, 2023, 8, 5255.	4.6	0
8058	Subarcsecond-resolution Imaging of M51 with the International LOFAR Telescope. Astrophysical Journal, 2023, 953, 157.	4.5	1
8059	Morphological Parameters and Associated Uncertainties for 8 Million Galaxies in the Hyper Suprime-Cam Wide Survey. Astrophysical Journal, 2023, 953, 134.	4.5	2
8061	BatAnalysis: A Comprehensive Python Pipeline for Swift BAT Survey Analysis. Astrophysical Journal, 2023, 953, 155.	4.5	1
8062	Revisiting planetary systems in the Okayama Planet Search Program: A new long-period planet, RV astrometry joint analysis, and a multiplicity-metallicity trend around evolved stars. Publication of the Astronomical Society of Japan, 2023, 75, 1030-1071.	2.5	1
8063	Evidence for Misalignment between Debris Disks and Their Host Stars. Astrophysical Journal, 2023, 954, 10.	4.5	3
8064	Augraphy: A Data Augmentation Library for Document Images. Lecture Notes in Computer Science, 2023, , 384-401.	1.3	4

#	Article	IF	Citations
8065	2023 Roadmap on molecular modelling of electrochemical energy materials. JPhys Energy, 2023, 5, 041501.	5.3	3
8066	What's the Difference? The Potential for Convolutional Neural Networks for Transient Detection without Template Subtraction. Astronomical Journal, 2023, 166, 115.	4.7	3
8067	StudioGAN: A Taxonomy and Benchmark of GANs for Image Synthesis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 15725-15742.	13.9	4
8069	ACCESS, LRG-BEASTS, and MOPSS: Featureless Optical Transmission Spectra of WASP-25b and WASP-124b. Astronomical Journal, 2023, 166, 120.	4.7	0
8070	Intercomparison of Brown Dwarf Model Grids and Atmospheric Retrieval Using Machine Learning. Astrophysical Journal, 2023, 954, 22.	4.5	1
8072	Sublimation of refractory minerals in the gas envelopes of accreting rocky planets. Astronomy and Astrophysics, 2023, 677, A181.	5.1	1
8073	Medications and conditions associated with weight loss in patients prescribed semaglutide based on real‐world data. Obesity, 2023, 31, 2482-2492.	3.0	2
8074	A new computer vision workflow to assess yield quality traits in bush bean (Phaseolus vulgaris L.). Smart Agricultural Technology, 2023, 5, 100306.	5.4	0
8075	Refining the Stellar Parameters of Ï„ Ceti: a Pole-on Solar Analog. Astronomical Journal, 2023, 166, 123.	4.7	1
8076	Crust Macrofracturing as the Evidence of the Last Deglaciation. Pure and Applied Geophysics, 2023, 180, 3289-3301.	1.9	0
8077	Data Analysis of Laser Profile Scanner Measurement for Tube Damage Detection. , 2023, , .		0
8078	Stochastic soiling loss models for heliostats in Concentrating Solar Power plants. Solar Energy, 2023, 263, 111945.	6.1	1
8079	Using macromolecular electron densities to improve the enrichment of active compounds in virtual screening. Communications Chemistry, 2023, 6, .	4.5	1
8081	Reeling in the Whirlpool galaxy: Distance to M 51 clarified through Cepheids and the type IIP supernova 2005cs. Astronomy and Astrophysics, 2023, 678, A44.	5.1	1
8082	The Imprint of Convection on Type I X-Ray Bursts: Pauses in Photospheric Radius Expansion Lightcurves. Astrophysical Journal, 2023, 954, 54.	4.5	0
8083	The Solar Origin of an In Situ Type III Radio Burst Event. Astrophysical Journal, 2023, 954, 32.	4.5	1
8084	QUIJOTE scientific results â€" X. Spatial variations of Anomalous Microwave Emission along the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1343-1366.	4.4	3
8086	VectorFusion: Text-to-SVG by Abstracting Pixel-Based Diffusion Models. , 2023, , .		4

#	ARTICLE	IF	CITATIONS
8087	Class-Incremental Exemplar Compression for Class-Incremental Learning. , 2023, , .		5
8088	An Unsupervised Machine Learning-based Algorithm for Detecting Weak Impulsive Narrowband Quiet Sun Emissions and Characterizing Their Morphology. Astrophysical Journal, 2023, 954, 39.	4.5	0
8089	How much large dust could be present in hot exozodiacal dust systems?. Astronomy and Astrophysics, 2023, 678, A121.	5.1	1
8090	A CEERS Discovery of an Accreting Supermassive Black Hole 570 Myr after the Big Bang: Identifying a Progenitor of Massive z > 6 Quasars. Astrophysical Journal Letters, 2023, 953, L29.	8.3	45
8091	A Large-Scale Homography Benchmark. , 2023, , .		1
8092	Transformation twinning to create isospectral cavities. Physical Review B, 2023, 108, .	3.2	1
8094	A Parallel Scan Algorithm inÂtheÂTensor Core Unit Model. Lecture Notes in Computer Science, 2023, , 489-502.	1.3	0
8095	An Extreme Black Hole in the Recurrent X-Ray Transient XTE J2012+381. Astrophysical Journal, 2023, 954, 62.	4.5	1
8096	Searching for the Sources of Excess Extragalactic Dispersion of FRBs. Astrophysical Journal, 2023, 954, 71.	4.5	3
8097	Iteratively comparing gravitational-wave observations to the evolution of massive stellar binaries. Physical Review D, 2023, 108, .	4.7	0
8098	Early Planet Formation in Embedded Disks (eDisk). IX. High-resolution ALMA Observations of the Class 0 Protostar R CrA IRS5N and Its Surroundings. Astrophysical Journal, 2023, 954, 69.	4.5	2
8099	Brief Visual Deprivation Effects on Brain Oscillations During Kinesthetic and Visual-motor Imagery. Neuroscience, 2023, 532, 37-49.	2.3	0
8101	Transport pathways and kinetics of cerebrospinal fluid tracers in mouse brain observed by dynamic contrast-enhanced MRI. Scientific Reports, 2023, 13, .	3.3	1
8102	Comparative Analysis of TRGBs (CATs) from Unsupervised, Multi-halo-field Measurements: Contrast is Key. Astrophysical Journal, 2023, 954, 87.	4.5	4
8103	Complex AGN feedback in the Teacup galaxy. Astronomy and Astrophysics, 2023, 678, A127.	5.1	5
8104	Zero-shot visual reasoning through probabilistic analogical mapping. Nature Communications, 2023, 14, .	12.8	1
8105	The Demographics, Stellar Populations, and Star Formation Histories of Fast Radio Burst Host Galaxies: Implications for the Progenitors. Astrophysical Journal, 2023, 954, 80.	4.5	18
8106	The LIGO HET Response (LIGHETR) Project to Discover and Spectroscopically Follow Optical Transients Associated with Neutron Star Mergers*. Astrophysical Journal, 2023, 954, 102.	4.5	0

#	Article	IF	Citations
8107	Stone Soup: No Longer Just an Appetiser. , 2023, , .		0
8108	CollectiveNet-AltSpec: A collective concurrent CNN architecture of alternate specifications for EEG media perception and emotion tracing aided by multi-domain feature-augmentation. Neural Networks, 2023, 167, 502-516.	5.9	2
8109	Probing the Pulsar Explanation of the Galactic-Center GeV Excess Using Continuous Gravitational-Wave Searches. Physical Review Letters, 2023, 131, .	7.8	1
8111	Polycyclic aromatic hydrocarbons in exoplanet atmospheres. Astronomy and Astrophysics, 2023, 678, A53.	5.1	0
8112	CUTE Reveals Escaping Metals in the Upper Atmosphere of the Ultrahot Jupiter WASP-189b. Astrophysical Journal Letters, 2023, 954, L23.	8.3	1
8113	Adaptive Training on Basic AR Interactions: Bi-Variate Metrics and Neuroergonomic Evaluation Paradigms. International Journal of Human-Computer Interaction, 0, , 1-16.	4.8	0
8114	Quantifying Roman WFI Dark Images with the Wavelet Scattering Transform. Publications of the Astronomical Society of the Pacific, 2023, 135, 084502.	3.1	1
8116	Changes in compound flood event frequency in northern and central Europe under climate change. Frontiers in Climate, 0, 5, .	2.8	1
8117	Data treatment methods for real-time colorimetric loop-mediated isothermal amplification reactions. Scientific Reports, 2023, 13, .	3.3	0
8118	SN 2018gj: A Short Plateau Type II Supernova with Persistent Blueshifted Ha Emission. Astrophysical Journal, 2023, 954, 155.	4.5	2
8119	Stellar obliquity and planetary albedo in HAT-P-32. Astronomy and Astrophysics, 2023, 677, L12.	5.1	0
8121	Interpersonal trust modelling through multi-agent Reinforcement Learning. Cognitive Systems Research, 2024, 83, 101157.	2.7	0
8122	The FRB 20190520B Sight Line Intersects Foreground Galaxy Clusters. Astrophysical Journal Letters, 2023, 954, L7.	8.3	4
8123	ExoGemS High-resolution Transmission Spectroscopy of WASP-76b with GRACES. Astronomical Journal, 2023, 166, 141.	4.7	0
8124	Structure, Kinematics, and Observability of the Large Magellanic Cloud's Dynamical Friction Wake in Cold versus Fuzzy Dark Matter. Astrophysical Journal, 2023, 954, 163.	4.5	1
8125	Demographic reconstruction of the Western sheep expansion from whole-genome sequences. G3: Genes, Genomes, Genetics, 2023, 13, .	1.8	1
8126	Brain tumour genetic network signatures of survival. Brain, 2023, 146, 4736-4754.	7.6	1
8127	Differential effects of slow deep inhalation and exhalation on brain functional connectivity. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
8128	Molearn: a Python package streamlining the design of generative models of biomolecular dynamics. Journal of Open Source Software, 2023, 8, 5523.	4.6	0
8129	CATS: The Hubble Constant from Standardized TRGB and Type Ia Supernova Measurements. Astrophysical Journal Letters, 2023, 954, L31.	8.3	12
8130	Prediction of cotton yield based on soil texture, weather conditions and UAV imagery using deep learning. Precision Agriculture, 0, , .	6.0	0
8131	Metrics for Optimizing Searches for Tidally Decaying Exoplanets. Astronomical Journal, 2023, 166, 142.	4.7	0
8132	Stress Response in Toxic Diatoms: The Effects of Abiotic Factors on Growth and RNA Content in Pseudo-nitzschia calliantha and in Pseudo-nitzschia multistriata. Journal of Marine Science and Engineering, 2023, 11, 1743.	2.6	0
8133	Hydrodynamics and Survivability during Post-main-sequence Planetary Engulfment. Astrophysical Journal, 2023, 954, 176.	4.5	1
8134	The Cloudspotting on Mars citizen science project: Seasonal and spatial cloud distributions observed by the Mars Climate Sounder. Icarus, 2023, , 115777.	2.5	0
8135	On the cardiorespiratory coordination assessed by the photoplethysmography imaging technique. Scientific Reports, 2023, 13, .	3.3	1
8138	Ringdown of GW190521: Hints of multiple quasinormal modes with a precessional interpretation. Physical Review D, 2023, 108, .	4.7	10
8139	Constraining the Gravitational Potential from the Projected Morphology of Extragalactic Tidal Streams. Astrophysical Journal, 2023, 954, 195.	4.5	2
8140	Stable Coronal X-Ray Emission over 20 yr of XZ Tau. Astronomical Journal, 2023, 166, 148.	4.7	0
8141	Three-dimensional General-relativistic Simulations of Neutrino-driven Winds from Magnetized Proto–Neutron Stars. Astrophysical Journal, 2023, 954, 192.	4.5	0
8143	UAV Swarms for Joint Data Ferrying and Dynamic Cell Coverage via Optimal Transport Descent and Quadratic Assignment. , 2023, , .		0
8144	A Search for Extraterrestrial Technosignatures in Archival FAST Survey Data Using a New Procedure. Astronomical Journal, 2023, 166, 146.	4.7	0
8145	Capturing Statistical Isotropy Violation with Generalized Isotropic Angular Correlation Functions of Cosmic Microwave Background Anisotropy. Astrophysical Journal, 2023, 954, 181.	4.5	1
8146	Optimizing the Resolution of Hydrodynamic Simulations for MCRaT Radiative Transfer Calculations. Astrophysical Journal, 2023, 954, 208.	4.5	1
8148	Robotic workflows for automated long-term adaptive laboratory evolution: improving ethanol utilization by Corynebacterium glutamicum. Microbial Cell Factories, 2023, 22, .	4.0	1
8150	A generic sparse regression imputation method for time series and tabular data. Knowledge-Based Systems, 2023, 279, 110965.	7.1	0

#	Article	IF	Citations
8151	Can quasicircular mergers of charged black holes produce extremal black holes?. Physical Review D, 2023, 108, .	4.7	0
8152	Anticipating a new physics signal in upcoming 21-cm power spectrum observations. Physical Review D, 2023, 108, .	4.7	6
8153	HETDEX Public Source Catalog 1—Stacking 50,000 Lyman Alpha Emitters *. Astrophysical Journal, 2023, 954, 209.	4.5	1
8154	Physics-Informed Neural Networks for the Heat Equation with Source Term under Various Boundary Conditions. Algorithms, 2023, 16, 428.	2.1	1
8155	Robust pedestrian tracking in video sequences using an improved STF module. Complex & Intelligent Systems, 2024, 10, 1365-1374.	6.5	0
8156	JWST/NIRCam Coronagraphy of the Young Planet-hosting Debris Disk AU Microscopii. Astronomical Journal, 2023, 166, 150.	4.7	2
8157	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XVIII. The Dark Matter Halo Mass of Quasars at z ∼ 6. Astrophysical Journal, 2023, 954, 210.	4.5	5
8158	The TESS-Keck Survey. XVI. Mass Measurements for 12 Planets in Eight Systems. Astronomical Journal, 2023, 166, 153.	4.7	2
8159	A Python Tool for Predicting and Assessing Unconventional Rare-Earth and Critical Mineral Resources. Journal of Open Source Software, 2023, 8, 5500.	4.6	0
8160	Machine learning of hidden variables in multiscale fluid simulation. Machine Learning: Science and Technology, 2023, 4, 035049.	5.0	1
8161	Determination of dynamical ages of open clusters through the A+ parameter – II. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1057-1074.	4.4	0
8162	Can Cuspy Dark-matter-dominated Halos Hold Cored Stellar Mass Distributions?. Astrophysical Journal, 2023, 954, 153.	4.5	1
8163	Sequential calibration of material constitutive model using mixed-effects calibration. Mechanics and Industry, 2023, 24, 32.	1.3	0
8164	Revisiting a flux recovery systematic error arising from common deconvolution methods used in aperture-synthesis imaging. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8165	Low-degree solar rotational splitting from 45 yr of BiSON observations. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1447-1459.	4.4	0
8166	Spatially Resolved Recent Star Formation History in NGC 6946. Astrophysical Journal, 2023, 954, 211.	4.5	1
8167	Integrating Geometric Metamodel-Assisted Process Assurance into Topology Optimization of Low-Pressure Die Castings. , 2023, , 109-119.		0
8168	An anomalous frequency band identification method utilising available healthy historical data for gearbox fault detection. Measurement: Journal of the International Measurement Confederation, 2023, 222, 113515.	5.0	1

#	Article	IF	Citations
8169	Effects of climate change on gilthead seabream aquaculture in the Mediterranean. Aquaculture, 2024, 578, 740052.	3.5	0
8170	A return time compensation scheme for complex geometries in electron beam powder bed fusion. Additive Manufacturing, 2023, 76, 103767.	3.0	1
8171	Addressing the complexities in measuring cyclodextrin-sterol binding constants: A multidimensional study. Carbohydrate Polymers, 2024, 323, 121360.	10.2	3
8172	A multi-objective robust evolutionary optimization approach applied to the multivariate helical milling process of super duplex steel. Applied Soft Computing Journal, 2023, 147, 110811.	7.2	1
8173	CellProfiler plugins â€" An easy image analysis platform integration for containers and Python tools. Journal of Microscopy, 0, , .	1.8	1
8174	Spatiotemporal analysis of laboratory-generated turbulence. , 2023, , .		0
8175	Parameterizing pressureâ€"temperature profiles of exoplanet atmospheres with neural networks. Astronomy and Astrophysics, 2024, 681, A3.	5.1	1
8176	Cluster expansion constructed over Jacobi-Legendre polynomials for accurate force fields. Physical Review B, 2023, 108, .	3.2	2
8177	Beyond Ultra-diffuse Galaxies. II. Environmental Quenching of Massâ€"Size Outliers among the Satellites of Milky Way Analogs. Astrophysical Journal, 2023, 955, 2.	4.5	1
8178	Beyond Ultra-diffuse Galaxies. I. Massâ€"Size Outliers among the Satellites of Milky Way Analogs. Astrophysical Journal, 2023, 955, 1.	4.5	1
8179	Unlocking the potential of microRNAs: machine learning identifies key biomarkers for myocardial infarction diagnosis. Cardiovascular Diabetology, 2023, 22, .	6.8	1
8180	Indirect Observations of Electric Fields at Comet 67P. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	0
8181	Methods behind neoantigen prediction for personalized anticancer vaccines. Methods in Cell Biology, 2023, , .	1.1	0
8182	TESS Photometric Variability of Young Brown Dwarfs in the Taurus Star-forming Region. Astrophysical Journal, 2023, 955, 18.	4.5	1
8183	Binary neutron star populations in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2210-2229.	4.4	2
8184	Living with a Red Dwarf: The Rotationâ€"Age Relationships of M Dwarfs. Astrophysical Journal Letters, 2023, 954, L50.	8.3	4
8185	De-noising of galaxy optical spectra with autoencoders. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3037-3050.	4.4	1
8186	Determinants of apnea-hypopnea index variability during home sleep testing. Sleep Medicine, 2023, 111, 86-93.	1.6	0

#	Article	IF	Citations
8187	Demonstration of Convolutional Neural Networks to Determine Patch Test Reactivity. Dermatitis, 0, , .	1.6	0
8188	VoDEx: a Python library for time annotation and management of volumetric functional imaging data. Bioinformatics, 2023, 39, .	4.1	0
8189	qujax: Simulating quantum circuits with JAX. Journal of Open Source Software, 2023, 8, 5504.	4.6	0
8191	PyCreas: a tool for quantification of localization and distribution of endocrine cell types in the islets of Langerhans. Frontiers in Endocrinology, 0, 14, .	3.5	0
8192	Sampling the Faraday rotation sky of TNG50: imprint of the magnetized circumgalactic medium around Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 526, 836-853.	4.4	1
8193	Cultivation of Melilotus officinalis as a source of bioactive compounds in association with soil recovery practices. Frontiers in Plant Science, 0, 14, .	3.6	0
8194	gym-saturation: Gymnasium Environments forÂSaturation Provers (System description). Lecture Notes in Computer Science, 2023, , 187-199.	1.3	0
8195	Detection of optical emission from the supernova remnant G7.7â€"3.7. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1112-1121.	4.4	1
8196	On the computation of modular forms on noncongruence subgroups. Mathematics of Computation, 2024, 93, 1399-1425.	2.1	1
8197	Explaining the GeV excess with exploding black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 845, 138175.	4.1	0
8198	Recommended Method for Determining the Correlated Color Temperature and Distance from the Planckian Locus of a Light Source. LEUKOS - Journal of Illuminating Engineering Society of North America, 2024, 20, 223-237.	2.9	0
8200	Kriging-boosted CR modeling for prompt infill drilling optimization. Petroleum, 2024, 10, 39-48.	2.8	0
8201	Aerothermodynamic Characterization of Inductively Generated Carbon Dioxide Plasma by Laser Absorption Spectroscopy. Journal of Thermophysics and Heat Transfer, 2024, 38, 98-108.	1.6	2
8203	Proton Temperature Anisotropy within the Interplanetary Coronal Mass Ejections Sheath at 1 au. Astrophysical Journal Letters, 2023, 955, L5.	8.3	0
8204	Jajapy: A Learning Library forÂStochastic Models. Lecture Notes in Computer Science, 2023, , 30-46.	1.3	0
8205	Orbital Support and Evolution of Flat Profiles of Bars (Shoulders). Astrophysical Journal, 2023, 955, 38.	4.5	3
8206	Using Giant Pulses to Measure the Impulse Response of the Interstellar Medium. Astrophysical Journal, 2023, 955, 33.	4.5	0
8207	A high fidelity Milky Way simulation with Kraken, Gaia-Enceladus, and Sequoia analogues: clues to their accretion histories. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1190-1197.	4.4	1

#	Article	IF	Citations
8208	Numerical relativity surrogate model with memory effects and post-Newtonian hybridization. Physical Review D, 2023, 108, .	4.7	1
8209	Rotation of the <i>c</i>â€Ring Promotes the Curvature Sorting of Monomeric ATP Synthases. Advanced Science, 2023, 10, .	11.2	0
8210	Spiking neural networks for frame-based and event-based single object localization. Neurocomputing, 2023, 559, 126805.	5.9	5
8211	PyDapsys: an open-source library for accessing electrophysiology data recorded with DAPSYS. Frontiers in Neuroinformatics, 0, 17, .	2.5	0
8212	Heart Rate Estimation Using Remote Photoplethysmography and Deep Learning. , 2023, , .		0
8213	Effect of PDE 5 Inhibitor-Avanafil on Renal Ischemia/Reperfusion Injury in Rats. NamÄ±k Kemal TÄ±p Dergisi, 2023, 11, 284-293.	0.0	0
8214	Past the outer rim, into the unknown: structures beyond the Kuiper Cliff. Monthly Notices of the Royal Astronomical Society: Letters, 2023, 527, L110-L114.	3.3	0
8216	Investigating the causes of vessel besetting in the ice channel in the Baltic Sea using AIS data and Sentinel imagery. , 2023, , .		0
8217	pysersic: A Python package for determining galaxy structural properties via Bayesian inference, accelerated with jax. Journal of Open Source Software, 2023, 8, 5703.	4.6	3
8218	Effect of temperature on the degradation of glyphosate by Mn-oxide: Products and pathways of degradation. Journal of Hazardous Materials, 2024, 461, 132467.	12.4	2
8219	Glucosylated Hybrid TiO_2/Polymer Nanomaterials for Actively Targeted Sonodynamic Therapy of Cancer. Small, 2024, 20, .	10.0	0
8220	Predicting an individual's cerebellar activity from functional connectivity fingerprints. NeuroImage, 2023, 281, 120360.	4.2	0
8221	Classifications of Fermi-LAT unassociated sources in multiple machine learning methods. Monthly Notices of the Royal Astronomical Society, 2023, 527, 1794-1812.	4.4	0
8224	Unveiling optical signatures of outflows in accreting white dwarfs. Astronomy and Astrophysics, 0, , .	5.1	0
8226	Offline Reinforcement Learning withÂOn-Policy Q-Function Regularization. Lecture Notes in Computer Science, 2023, , 455-471.	1.3	0
8227	Assessing transformation methods for group comparisons under violated assumptions: type I error rate and test power. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2023, 75, 883-892.	0.4	0
8229	Massive dark matter haloes at high redshift: implications for observations in the JWST era. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2542-2559.	4.4	4
8231	MIST-CF: Chemical Formula Inference from Tandem Mass Spectra. Journal of Chemical Information and Modeling, 0, , .	5.4	0

#	Article	IF	Citations
8232	Gaia17bpp: A Giant Star with the Deepest and Longest Known Dimming Event. Astrophysical Journal, 2023, 955, 69.	4.5	0
8233	Inverse-Compton cooling of thermal plasma in colliding-wind binaries. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3099-3114.	4.4	0
8234	Overview of methods and available tools used in complex brain disorders. Open Research Europe, 0, 3, 152.	2.0	1
8235	Learning Context-Based Representations of Events in Complex Processes. , 2023, , .		0
8237	A Novel Algorithm for Informed Investment in Cybersecurity Companies and Technologies. Profiles in Operations Research, 2023, , 87-101.	0.4	0
8238	The international clinical trials registry platform (ICTRP): data integrity and the trends in clinical trials, diseases, and drugs. Frontiers in Pharmacology, 0, 14, .	3.5	0
8239	Reviving stochasticity: uncertainty in SMBH binary eccentricity is unavoidable. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2688-2695.	4.4	1
8240	Tracing snowlines and C/O ratio in a planet-hosting disk. Astronomy and Astrophysics, 2023, 678, A146.	5.1	6
8241	Modeling the Spectral Energy Distribution of the Active Galactic Nucleus inside NGC 4395. Astrophysical Journal, 2023, 955, 78.	4.5	1
8242	Personalized Query Expansion with Contextual Word Embeddings. ACM Transactions on Information Systems, 2024, 42, 1-35.	4.9	1
8243	Text sentiment analysis using deep convolutional networks. , 2023, , 35-43.		1
8244	Stability of Bipolar Plate Materials for Protonâ€Exchange Membrane Water Electrolyzers: Dissolution of Titanium and Stainless Steel in DI Water and Highly Diluted Acid. ChemElectroChem, 2023, 10, .	3.4	2
8245	Pulsational pair-instability supernovae in gravitational-wave and electromagnetic transients. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4130-4147.	4.4	1
8246	Robust optimal design and trajectory planning of an aircraft with morphing airfoil sections. Structural and Multidisciplinary Optimization, 2023, 66, .	3.5	0
8247	Using auditory texture statistics for domain-neutral removal of background sounds. , 0, 1, .		0
8248	1D Modeling Approach for Heat Transfer in Packed Beds with Embedded Heat Sources. Industrial & Engineering Chemistry Research, 2023, 62, 16139-16153.	3.7	0
8249	In-depth analysis of design & development for sensor-based human activity recognition system. Multimedia Tools and Applications, 0, , .	3.9	1
8250	Sequential stochastic and bootstrap methods to generate synthetic solar irradiance time series of high temporal resolution based on historical observations. Solar Energy, 2023, 264, 112030.	6.1	0

#	Article	IF	Citations
8251	Matching Pursuit Based Joint Angle and Delay Estimation for Bluetooth Direction Finding. , 2023, , .		0
8252	ndcube: Manipulating N-dimensional Astronomical Data in Python. Journal of Open Source Software, 2023, 8, 5296.	4.6	1
8253	TOI-858 B b: A hot Jupiter on a polar orbit in a loose binary. Astronomy and Astrophysics, 0, , .	5.1	0
8254	Health service readiness to provide care for HIV and cardiovascular disease risk factors in low- and middle-income countries. PLOS Global Public Health, 2023, 3, e0002373.	1.6	0
8255	Atmospheric Reconnaissance of TRAPPIST-1 b with JWST/NIRISS: Evidence for Strong Stellar Contamination in the Transmission Spectra. Astrophysical Journal Letters, 2023, 955, L22.	8.3	10
8256	On Multiscale Quasi-Interpolation of Scattered Scalar- and Manifold-Valued Functions. SIAM Journal of Scientific Computing, 2023, 45, A2458-A2482.	2.8	0
8257	Evolution of solar wind sources and coronal rotation driven by the cyclic variation of the Sun's large-scale magnetic field. Astronomy and Astrophysics, 0, , .	5.1	0
8258	Scalable Bayesian optimization with randomized prior networks. Computer Methods in Applied Mechanics and Engineering, 2023, 417, 116428.	6.6	0
8260	PreliZ: A tool-box for prior elicitation. Journal of Open Source Software, 2023, 8, 5499.	4.6	0
8261	Things That Might Go Bump in the Night: Assessing Structure in the Binary Black Hole Mass Spectrum. Astrophysical Journal, 2023, 955, 107.	4.5	10
8266	Multiple Sensor Fusion for Stress Detection in the Hospital Environment. EAI/Springer Innovations in Communication and Computing, 2024, , 273-285.	1.1	0
8267	Characterisation of HEXITECMHz - A 1ÂMHz continuous frame rate spectroscopic X-ray imaging detector system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2023, 1057, 168718.	1.6	2
8268	Prevalence of attentionâ€deficit/hyperactivity disorder and autism in 12â€yearâ€old children: A populationâ€based cohort. Developmental Medicine and Child Neurology, 2024, 66, 493-500.	2.1	2
8270	EEGâ€based spatiotemporal dynamics of fast ripple networks and hubs in infantile epileptic spasms. Epilepsia Open, 2024, 9, 122-137.	2.4	1
8271	Figure Rotation of IllustrisTNG Halos. Astrophysical Journal, 2023, 955, 111.	4.5	0
8272	Kinetics of Alloy Depletion During Selective Oxidation in Polycrystals. , 0, , .		0
8273	HST/WFC3 Light Curve Supports a Terrestrial Composition for the Closest Exoplanet to Transit an M Dwarf. Astronomical Journal, 2023, 166, 171.	4.7	1
8274	Nectin-3 and shed forms of CSPG4 can serve as epithelial cell receptors for <i>Clostridioides difficile</i> TcdB. MBio, 0, , .	4.1	2

#	Article	IF	Citations
8275	Ensemble of best linear unbiased predictor, machine learning and deep learning models predict maize yield better than each model alone. In Silico Plants, 2023, 5, .	1.9	0
8277	The impact of stochastic modelling on the predictive power of galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2441-2457.	4.4	2
8278	HST UV Spectroscopy of the Dwarf Starburst Galaxy Pox 186. Astrophysical Journal, 2023, 955, 112.	4.5	0
8279	Effects of Electrode Position Targeting in Noninvasive Electromyography Technologies for Finger and Hand Movement Prediction. Journal of Medical and Biological Engineering, 2023, 43, 603-611.	1.8	1
8281	Decomposing the Spectrum of Ultraluminous X-Ray Pulsar NGC 300 ULX-1. Astrophysical Journal, 2023, 955, 124.	4.5	1
8282	High-resolution Chemical Abundances of the Nyx Stream. Astrophysical Journal, 2023, 955, 129.	4.5	1
8284	Computer vision techniques applied to automatic detection of sinusoids in borehole resistivity imaging â€" A comparison with the MSD method. Earth Sciences Research Journal, 2023, 27, 139-147.	0.6	0
8285	Diagnosing the interstellar medium of galaxies with far-infrared emission lines. II. [C ii], [O i], [O iii], [N ii], and [N iii] up to z=6. Astronomy and Astrophysics, 0, , .	5.1	2
8286	Extremely powerful and frequency-tunable terahertz pulses from a table-top laserâ€"plasma wiggler. High Power Laser Science and Engineering, 2023, 11, .	4.6	2
8287	Karhunen-LoÃ¨ve data imputation in high-contrast imaging. Astronomy and Astrophysics, 0, , .	5.1	0
8288	Machine Learning Approach for Frozen Tuna Freshness Inspection Using Low-Frequency A-Mode Ultrasound. IEEE Access, 2023, 11, 107379-107393.	4.2	0
8289	Taming the Panda with Python: A powerful duo for seamless robotics programming and integration. SoftwareX, 2023, 24, 101532.	2.6	0
8290	101 eclipsing quadruple star candidates discovered in <i>TESS</i> full frame images. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3995-4017.	4.4	0
8291	Loss of INPP5K attenuates IP3-induced Ca2+ responses in the glioblastoma cell line U-251 MG cells. BBA Advances, 2023, 4, 100105.	1.6	1
8292	The effect of the perturber population on subhalo measurements in strong gravitational lenses. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8293	MF-Box: multifidelity and multiscale emulation for the matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2023, 526, 2903-2919.	4.4	0
8294	Transportability without positivity: a synthesis of statistical and simulation modeling. Epidemiology, 0, , .	2.7	0
8295	Detection of application-layer DDoS attacks using machine learning and genetic algorithms. Computers and Security, 2023, 135, 103511.	6.0	1

#	Article	IF	Citations
8296	Bright-Moon sky as a wide-field linear polarimetric flat source for calibration. Astronomy and Astrophysics, 0, , .	5.1	0
8297	CHAPERONg: A tool for automated GROMACS-based molecular dynamics simulations and trajectory analyses. Computational and Structural Biotechnology Journal, 2023, 21, 4849-4858.	4.1	6
8298	The Eclipse-mapping Null Space: Comparing Theoretical Predictions with Observed Maps. Astronomical Journal, 2023, 166, 176.	4.7	1
8299	In search of gravity mode signatures in main sequence solar-type stars observed by <i>Kepler</i>. Astronomy and Astrophysics, 2023, 679, A104.	5.1	2
8300	Community-wide genome sequencing reveals 30 years of Darwinâ€™s finch evolution. Science, 2023, 381, .	12.6	6
8301	CEL: Cost-Aware Edge-Assisted Livecast via Optimization With Shapley Value. IEEE Internet of Things Journal, 2024, 11, 7805-7816.	8.7	0
8303	Analytical electron microscopy study of the composition of BaHfO₃ nanoparticles in REBCO films: the influence of rare-earth ionic radii and REBCO composition. Materials Advances, 0, , .	5.4	0
8304	Exotic image formation in strong gravitational lensing by clusters of galaxies â€" IV. Elliptical NFW lenses and hyperbolic umbilics. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3902-3919.	4.4	0
8306	On the comparison of parabolical and cylindrical primary mirrors for linear Fresnel solar concentrators. Renewable Energy, 2023, 218, 119380.	8.9	1
8307	Leveraging genomic redundancy to improve inference and alignment of orthologous proteins. G3: Genes, Genomes, Genetics, 0, , .	1.8	0
8309	Spectropolarimetric variability in the repeating fast radio burst source FRBâ€‰20180301A. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3652-3672.	4.4	3
8310	Growing pains: understanding the impact of likelihood uncertainty on hierarchical Bayesian inference for gravitational-wave astronomy. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3495-3503.	4.4	5
8311	A deep-learning-based model for quality assessment of earthquake-induced ground-motion records. Earthquake Spectra, 2023, 39, 2492-2517.	3.1	4
8312	Accurate and efficient waveform model for precessing binary black holes. Physical Review D, 2023, 108, .	4.7	3
8313	Time Evolving Photo Ionisation Device (TEPID): A novel code for out-of-equilibrium gas ionisation. Astronomy and Astrophysics, 2023, 679, A141.	5.1	2
8314	Algebraic 3D Graphic Statics with Edge and Vertex Constraints: A Comprehensive Approach to Extend the Solution Space for Polyhedral Form-Finding. CAD Computer Aided Design, 2024, 166, 103620.	2.7	0
8315	Multiple Sgip1 splice variants inhibit cannabinoid receptor 1 internalization. Gene, 2024, 892, 147851.	2.2	1
8316	Metabolic cost and mechanical work of walking in a virtual reality emulator. European Journal of Applied Physiology, 2024, 124, 783-792.	2.5	0

#	Article	IF	Citations
8317	A Preliminary Method for Tracking In-Season Grapevine Cluster Closure Using Image Segmentation and Image Thresholding. Australian Journal of Grape and Wine Research, 2023, 2023, 1-12.	2.1	0
8318	Assessment of Upper Extremity Function in Multiple Sclerosis: Feasibility of a Digital Pinching Test. JMIR Formative Research, 0, 7, e46521.	1.4	0
8319	Estimation of Fuzzy Models from Mixed Data Sets with pyFUME. , 2023, , .		0
8320	The complex stellar system M 22: constraining the chemical enrichment from AGB stars using magnesium isotope ratios. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8321	GATCGGenerator: New Software for Generation of Quasirandom Nucleotide Sequences. Advanced Engineering Research, 2023, 23, 296-306.	0.4	0
8323	Variations of the HCO+, HCN, HNC, N2H+, and NH3 deuterium fractionation in high-mass star-forming regions. Monthly Notices of the Royal Astronomical Society, 2023, 526, 3673-3696.	4.4	0
8324	Computing Barkhausen noise spectra for magnetostrictive thin film composites using efficient magnetization-magnitude preserving simulation techniques. Journal of Applied Physics, 2023, 134, .	2.5	0
8325	plotnineSeqSuite: a Python package for visualizing sequence data using ggplot2 style. BMC Genomics, 2023, 24, .	2.8	0
8326	JWST/NIRSpec Measurements of Extremely Low Metallicities in High Equivalent Width Lyα Emitters. Astrophysical Journal, 2023, 956, 11.	4.5	5
8327	Finding the dispersing siblings of young open clusters. Dynamical traceback simulations using Gaia DR3. Astronomy and Astrophysics, 0, , .	5.1	0
8328	Not all spacetime coordinates for general-relativistic ray tracing are created equal. Physical Review D, 2023, 108, .	4.7	1
8329	First Ever Measurement of Quiet Sun Magnetic Field at Higher Coronal Heights Using Spectro-Polarimetric Radio Observation with SKA Precursor. , 2023, , .		0
8330	Cascaded domain multiphoton spatial frequency modulation imaging. Journal of Biomedical Optics, 2023, 28, .	2.6	0
8331	Reduction of cosmic-ray induced background in astronomical x-ray imaging detectors via image segmentation methods. , 2023, , .		0
8332	A New Stellar Companion to GJ 835. Research Notes of the AAS, 2023, 7, 206.	0.7	2
8333	Characterizing Pulsars Detected in the Rapid ASKAP Continuum Survey. Astrophysical Journal, 2023, 956, 28.	4.5	2
8334	Two-horn quiescent prominence observed in Hα and Mg II h&k lines with THEMIS and IRIS. Astronomy and Astrophysics, 2023, 680, A63.	5.1	0
8335	AstroSat observation of the magnetar SGR J1830−0645 during its first detected X-ray outburst. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4877-4884.	4.4	0

#	Article	IF	Citations
8336	SBILib: a handle for protein modeling and engineering. Bioinformatics, 2023, 39, .	4.1	0
8337	DKIST Unveils the Serpentine Topology of Quiet Sun Magnetism in the Photosphere. Astrophysical Journal Letters, 2023, 955, L36.	8.3	0
8338	Ultracool Spectroscopic Outliers in <i>Gaia</i> DR3. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8339	Variational Quantum Dynamics of Two-Dimensional Rotor Models. PRX Quantum, 2023, 4, .	9.2	0
8340	Sensitivity of the blocking-North Atlantic Oscillation relationship to index. Climate Dynamics, 2024, 62, 1249-1274.	3.8	0
8341	Comparison Of Subspace Identification Methods For Modal Estimation Of Bladed Disks. Journal of Engineering for Gas Turbines and Power, 2023, , 1-11.	1.1	0
8342	A multi-objective formulation for the team formation problem using Krippendorff's disagreement and sociometric cohesion with Pareto-solutions obtained via evolutionary algorithms. Computers and Operations Research, 2024, 161, 106444.	4.0	0
8343	A CHIME/FRB Study of Burst Rate and Morphological Evolution of the Periodically Repeating FRB 20180916B. Astrophysical Journal, 2023, 956, 23.	4.5	2
8344	TESS Spots a Super-puff: The Remarkably Low Density of TOI-1420b. Astronomical Journal, 2023, 166, 181.	4.7	3
8345	An Optically Discovered Outburst from XTE J1859+226. Astrophysical Journal, 2023, 956, 21.	4.5	1
8346	Laboratory characterization of a mode-selective photonic lantern for exoplanet characterization. , 2023, , .		1
8347	Martini 3 Coarse-Grained Force Field for Cholesterol. Journal of Chemical Theory and Computation, 2023, 19, 7387-7404.	5.3	3
8348	Rethinking Aerobic Respiration in the Hyporheic Zone under Variation in Carbon and Nitrogen Stoichiometry. Environmental Science & Technology, 2023, 57, 15499-15510.	10.0	0
8349	Fortuitous Observations of Potential Stellar Relay Probe Positions with GBT. Research Notes of the AAS, 2023, 7, 209.	0.7	0
8350	The Green Bank North Celestial Cap Survey. VIII. 21 New Pulsar Timing Solutions. Astrophysical Journal, 2023, 956, 40.	4.5	1
8351	Rates and properties of Type Ia supernovae in galaxy clusters within the dark energy survey. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5292-5305.	4.4	2
8352	SimpliPyTEM: An open-source Python library and app to simplify transmission electron microscopy and in situ-TEM image analysis. PLoS ONE, 2023, 18, e0285691.	2.5	1
8353	NMF-based GPU accelerated coronagraphy pipeline. , 2023, , .		0

#	Article	IF	Citations
8354	The NANOGrav 15 yr Data Set: Search for Anisotropy in the Gravitational-wave Background. Astrophysical Journal Letters, 2023, 956, L3.	8.3	16
8355	Outlier Detection in the DESI Bright Galaxy Survey. Astrophysical Journal Letters, 2023, 956, L6.	8.3	0
8356	Quantifying the impacts of schedulability on science yield of exoplanet imaging missions. , 2023, , .		0
8357	Unraveling the CMB lack-of-correlation anomaly with the cosmological gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 013.	5.4	1
8358	Deciphering RNA splicing logic with interpretable machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	2
8359	First experience with real-time magnetic resonance imaging-based investigation of respiratory influence on cardiac function in pediatric congenital heart disease patients with chronic right ventricular volume overload. Pediatric Radiology, 0, , .	2.0	0
8360	Swarm Smart Meta-Estimator for 2D/2D Heterostructure Design. Journal of Chemical Information and Modeling, 2023, 63, 6212-6223.	5.4	1
8361	MEG frequency tagging reveals a grid-like code during attentional movements. Cell Reports, 2023, 42, 113209.	6.4	1
8362	A multishock scenario for the formation of radio relics. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4234-4244.	4.4	0
8363	Potential of the Julia Programming Language for High Energy Physics Computing. Computing and Software for Big Science, 2023, 7, .	2.9	0
8364	Deep Learning based Time-Series Classification for Robotic Inspection of Pipe Condition using Non-Contact Ultrasonic Testing. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 0, , 1-41.	0.9	0
8365	Interpretable many-class decoding for MEG. NeuroImage, 2023, 282, 120396.	4.2	0
8367	Nitrosamine acceptable intakes should consider variation in molecular weight: The implication of stoichiometric DNA damage. Regulatory Toxicology and Pharmacology, 2023, 145, 105505.	2.7	1
8368	Two Massive, Compact, and Dust-obscured Candidate $z \simeq 8$ Galaxies Discovered by JWST. Astrophysical Journal, 2023, 956, 61.	4.5	8
8369	SpikingJelly: An open-source machine learning infrastructure platform for spike-based intelligence. Science Advances, 2023, 9, .	10.3	8
8370	Early Spectroscopy and Dense Circumstellar Medium Interaction in SN 2023ixf. Astrophysical Journal Letters, 2023, 956, L5.	8.3	11
8372	Application of a 1H Brain MRS Benchmark Dataset to Deep Learning for Out-of-Voxel Artifacts. , 2023, , .		0
8373	Interactive polar diagrams for model comparison. Computer Methods and Programs in Biomedicine, 2023, 242, 107843.	4.7	0

#	Article	IF	Citations
8376	Predicting the Yields of z > 6.5 Quasar Surveys in the Era of Roman and Rubin. Astrophysical Journal, 2023, 956, 52.	4.5	2
8377	A Unified Framework for Manipulating N-dimensional Astronomical Data and Coordinate Transformations in Python: The NDCube 2 and Astropy APE-14 World Coordinate System APIs. Astrophysical Journal, 2023, 956, 44.	4.5	1
8378	Constraining Circumgalactic Turbulence with QSO Absorption Line Measurements. Astrophysical Journal, 2023, 956, 54.	4.5	0
8379	The density of planar sets avoiding unit distances. Mathematical Programming, 0, , .	2.4	0
8380	HIt Discovery using docking ENriched by GEnerative Modeling (HIDDEN GEM): A novel computational workflow for accelerated virtual screening of ultra‐large chemical libraries. Molecular Informatics, 2024, 43, .	2.5	1
8381	MMASD: A Multimodal Dataset for Autism Intervention Analysis. , 2023, , .		1
8382	Efficiency and resolution characterisation of a high-resolution bent crystal X-ray spectrometer using ray-tracing simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2023, 1057, 168760.	1.6	0
8384	Spectral distortions of astrophysical blackbodies as axion probes. Physical Review D, 2023, 108, .	4.7	2
8386	BayesO: A Bayesian optimization framework in Python. Journal of Open Source Software, 2023, 8, 5320.	4.6	0
8387	Pain Recognition Differences between Female and Male Subjects: An Analysis based on the Physiological Signals of the X-ITE Pain Database. , 2023, , .		0
8389	DaphneSched: A Scheduler for Integrated Data Analysis Pipelines. , 2023, , .		0
8390	Retrospective Motion Artifact Reduction by Spatial Scaling of Liver Diffusion-Weighted Images. Tomography, 2023, 9, 1839-1856.	1.8	0
8391	Beyond 3Ã—2-point cosmology: the integrated shear and galaxy 3-point correlation functions. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 028.	5.4	1
8392	Spatiotemporal change and drivers of ecosystem quality in the Loess Plateau based on RSEI: A case study of Shanxi, China. Ecological Indicators, 2023, 155, 111060.	6.3	4
8393	Continuous isolated noise sources induce repeating waves in the coda of ambient noise correlations. , 2023, 2, .		0
8394	Implications of the Use of Artificial Intelligence Predictive Models in Health Care Settings. Annals of Internal Medicine, 2023, 176, 1358-1369.	3.9	6
8395	Quasi Elastic Neutron Scattering model library. EPJ Web of Conferences, 2023, 286, 06001.	0.3	0
8396	Effective Lower Bounds on the Matrix Rank and Their Applications. Programming and Computer Software, 2023, 49, 441-447.	0.9	0

#	Article	IF	Citations
8397	WSKNN - Weighted Session-based K-NN recommender system. Journal of Open Source Software, 2023, 8, 5639.	4.6	0
8398	Are NH_3 and CO_2 Ice Present on Miranda?. Planetary Science Journal, 2023, 4, 191.	3.6	1
8399	Brief communication: Comparison of the performance of thermistors and digital temperature sensors in a mountain permafrost borehole. Cryosphere, 2023, 17, 4289-4295.	3.9	0
8400	Simulations of idealised 3D atmospheric flows on terrestrial planets using LFRic-Atmosphere. Geoscientific Model Development, 2023, 16, 5601-5626.	3.6	0
8401	TOI-5126: A hot super-Neptune and warm Neptune pair discovered by *TESS* and *CHEOPS*. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8402	Formation of trapped vacuum bubbles during inflation, and consequences for PBH scenarios. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 035.	5.4	1
8403	Exploring the low-mass regime of galaxy-scale strong lensing: Insights into the mass structure of cluster galaxies. Astronomy and Astrophysics, 0, , .	5.1	0
8405	Properties of the jet in M87 revealed by its helical structure imaged with the VLBA at 8 and 15 GHz. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5949-5963.	4.4	1
8406	The Feasibility of Detecting Biosignatures in the TRAPPIST-1 Planetary System with JWST. Planetary Science Journal, 2023, 4, 192.	3.6	1
8407	Information-Restricted Neural Language Models Reveal Different Brain Regions' Sensitivity to Semantics, Syntax and Context. Neurobiology of Language (Cambridge, Mass), 0, , 1-76.	3.1	0
8408	Machine-learning Morphological Classification of TESS Light Curves of T Tauri Stars. Astronomical Journal, 2023, 166, 189.	4.7	0
8409	CLASS Data Pipeline and Maps for 40 GHz Observations through 2022. Astrophysical Journal, 2023, 956, 77.	4.5	2
8410	Improving Pure Component Property Estimation in Specialty Chemistry Using Local Estimators for Group Contribution Models. Industrial & Engineering Chemistry Research, 2023, 62, 16902-16913.	3.7	0
8411	Investigation on the orbital period variations of NN Ser: implications for the hypothetical planets, the Applegate mechanism, and the orbital stability. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4725-4734.	4.4	1
8412	The Nuclear Reaction Network WinNet. Astrophysical Journal, Supplement Series, 2023, 268, 66.	7.7	1
8413	RydIQule: A graph-based paradigm for modeling Rydberg and atomic sensors. Computer Physics Communications, 2024, 294, 108952.	7.5	1
8414	Localized structure in secondary distribution system voltage sensitivity matrices. Electric Power Systems Research, 2024, 226, 109788.	3.6	0
8415	QUIJOTE scientific results â€" XIII. Intensity and polarization study of the microwave spectra of supernova remnants in the QUIJOTE-MFI wide survey: CTBÂ80, Cygnus Loop, HBÂ21, CTAÂ1, Tycho and HBÂ9. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0

#	ARTICLE	IF	CITATIONS
8416	<i>pi_tailtrack</i>: A compact, inexpensive, and open-source behaviour-tracking system for head-restrained zebrafish. Journal of Experimental Biology, 0, , .	1.7	0
8417	Assessment of Quality of Gyrocardiograms Based on Features Derived from Symmetric Projection Attractor Reconstruction. , 2023, , .		0
8418	Interpreting runoff forecasting of long short-term memory network: An investigation using the integrated gradient method on runoff data from the Han River Basin. Journal of Hydrology: Regional Studies, 2023, 50, 101549.	2.4	0
8419	FlexCon-CE: A Semi-supervised Method withÂanÂEnsemble-Based Adaptive Confidence. Lecture Notes in Computer Science, 2023, , 95-109.	1.3	0
8420	Spatial optimality and temporal variability in Australiaâ€™s wind resource. Environmental Research Letters, 0, , .	5.2	1
8421	Honey bees perform fine-scale detailing that continuously reduces comb area after nest expansion. Insectes Sociaux, 0, , .	1.2	0
8422	Super-Nyquist ultralight dark matter searches with broadband atom gradiometers. Physical Review D, 2023, 108, .	4.7	2
8423	Discovery of a Planar Black Hole Mass Scaling Relation for Spiral Galaxies. Astrophysical Journal Letters, 2023, 956, L22.	8.3	0
8424	Multi-band Extension of the Wideband Timing Technique. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8425	Voice spoofing detection for multiclass attack classification using deep learning. Machine Learning With Applications, 2023, 14, 100503.	4.4	0
8426	Cosmology from LOFAR Two-metre Sky Survey Data Release 2: Angular clustering of radio sources. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8427	DataPype: A Fully Automated Unified Software Platform for Computer-Aided Drug Design. ACS Omega, 2023, 8, 39468-39480.	3.5	0
8428	Data-Driven Prediction of Cement-Stabilized Soils Tensile Properties. Infrastructures, 2023, 8, 146.	2.8	0
8429	An Ensemble of Neural Networks for Moist Physics Processes, Its Generalizability and Stable Integration. Journal of Advances in Modeling Earth Systems, 2023, 15, .	3.8	1
8431	Mgii h&k fine structure prominence modelling and the consequences for observations. Astronomy and Astrophysics, 0, , .	5.1	0
8432	The power spectrum of extended [Câ€‰<scp>ii</scp>]â€‰haloes around high redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4388-4401.	4.4	0
8433	Bit-twiddling hacks for gamma matrices. Computer Physics Communications, 2024, 294, 108959.	7.5	0
8434	The Influence of Internal Climate Variability on Stratospheric Water Vapor Increases After Largeâ€Magnitude Explosive Tropical Volcanic Eruptions. Geophysical Research Letters, 2023, 50, .	4.0	0

#	Article	IF	Citations
8435	Novel Cosmological Joint Constraints in Multidimensional Observable Space with Redshift-free Inferences. Astrophysical Journal, Supplement Series, 2023, 268, 67.	7.7	0
8436	Quantum algorithms for grid-based variational time evolution. Quantum - the Open Journal for Quantum Science, 0, 7, 1139.	0.0	4
8438	Characterizing Phase Noise in Self-Referencing Radar. IEEE Aerospace and Electronic Systems Magazine, 2023, , 1-9.	1.3	0
8439	What's in a binary black hole's mass parameter?. Monthly Notices of the Royal Astronomical Society, 2023, 527, 298-306.	4.4	1
8440	SN 2022jli: A Type Ic Supernova with Periodic Modulation of Its Light Curve and an Unusually Long Rise. Astrophysical Journal Letters, 2023, 956, L31.	8.3	1
8441	A Novel Gender Classification Model based on Convolutional Neural Network through Handwritten Text and Numeral. Sakarya University Journal of Computer and Information Sciences, 0, , .	0.8	0
8442	Proinflammatory Cytokine Profiles in Both Mild Symptomatic and Asymptomatic SARS-CoV-2-Infected Egyptian Individuals and a Proposed Relationship to Post-COVID-19 Sequela. Viral Immunology, 0, , .	1.3	0
8443	QUIJOTE Scientific Results – XVII. Studying the anomalous microwave emission in the Andromeda Galaxy with QUIJOTE-MFI. Monthly Notices of the Royal Astronomical Society, 2023, 527, 11945-11961.	4.4	1
8444	Discovery of the Magellanic Stellar Stream Out to 100 kpc. Astrophysical Journal, 2023, 956, 110.	4.5	1
8446	Magnetic Fields in Multiphase Turbulence: Impacts on Dynamics and Structure. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8447	3D tomography of the giant Lyα nebulae of $z\sim3$-5 radio-loud AGN. Astronomy and Astrophysics, 0, , .	5.1	2
8448	Alterations of auditory sensory gating in mice with noise-induced tinnitus treated with nicotine and cannabis extract. Journal of Psychopharmacology, 2023, 37, 1116-1131.	4.0	1
8449	Passive permeability controls synthesis for the allelochemical sorgoleone in sorghum root exudate. Phytochemistry, 2024, 217, 113891.	2.9	0
8450	Understanding structure-processing relationships in metal additive manufacturing via featurization of microstructural images. Computational Materials Science, 2024, 231, 112566.	3.0	0
8451	The most luminous AGN do not produce the majority of the detected stellar-mass black hole binary mergers in the local Universe. Monthly Notices of the Royal Astronomical Society, 2023, 526, 6031-6040.	4.4	2
8452	Spatially resolved Kennicutt–Schmidt relation at $z \approx 7$ and its connection with the interstellar medium properties. Monthly Notices of the Royal Astronomical Society, 2023, 527, 10-22.	4.4	1
8453	Observational investigation of the dynamical tides in massive eccentric binaries. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8454	Can Cosmologically Coupled Mass Growth of Black Holes Solve the Mass Gap Problem?. Astrophysical Journal, 2023, 956, 128.	4.5	2

#	Article	IF	Citations
8455	JWST-TST DREAMS: Quartz Clouds in the Atmosphere of WASP-17b. Astrophysical Journal Letters, 2023, 956, L32.	8.3	4
8456	The High-energy Spectrum of the Young Planet Host V1298 Tau. Astronomical Journal, 2023, 166, 196.	4.7	0
8457	Rational social distancing policy during epidemics with limited healthcare capacity. PLoS Computational Biology, 2023, 19, e1011533.	3.2	1
8459	Compiling Structured Tensor Algebra. , 2023, 7, 204-233.		1
8460	G189.6+03.3: The first complete X-ray view provided by SRG/eROSITA. Astronomy and Astrophysics, 0, , .	5.1	1
8461	Prototyping a ROOT-based distributed analysis workflow for HL-LHC: The CMS use case. Computer Physics Communications, 2024, 295, 108965.	7.5	0
8462	sphstat: A Python package for inferential statistics on vectorial data on the unit sphere. SoftwareX, 2023, 24, 101514.	2.6	0
8463	Dynamic Lone Pairs and Fluoride-Ion Disorder in Cubic-BaSnF$_4$. Journal of the American Chemical Society, 0, , .	13.7	0
8464	Bayes-optimal inference for spreading processes on random networks. Physical Review E, 2023, 108, .	2.1	1
8465	Towards a fast and accurate simulation framework for 3D spherical source localization in the near field of a coded aperture gamma camera. , 2023, , .		0
8466	Electromagnetic Precursors to Black Hole–Neutron Star Gravitational Wave Events: Flares and Reconnection-powered Fast Radio Transients from the Late Inspiral. Astrophysical Journal Letters, 2023, 956, L33.	8.3	1
8468	Three young planets around the K-dwarf K2-198: High-energy environment, evaporation history and expected future. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8469	Hydrodynamic simulations of the KT‰Eridani nova super-remnant. Monthly Notices of the Royal Astronomical Society, 2024, 529, 236-244.	4.4	0
8470	Metagenome-assembled genomes from sugarcane mill mud. Microbiology Resource Announcements, 0, , .	0.6	0
8471	Chromosome classification via deep learning and its application to patients with structural abnormalities of chromosomes. Medical Engineering and Physics, 2023, 121, 104064.	1.7	2
8472	Differences in Conformational Sampling and Intrinsic Electric Fields Drive Ion Binding in Telomeric and TERRA G-Quadruplexes. Journal of Chemical Information and Modeling, 2023, 63, 6851-6862.	5.4	1
8473	Design of a Real-Time Warp and Weft Measurement System for Fabric Analysis in Textile Testing Using Machine Learning. , 2023, , .		0
8474	ALMA 300 pc Resolution Imaging of a z = 6.79 Quasar: No Evidence for Supermassive Black Hole Influence on the C ii Kinematics. Astrophysical Journal, 2023, 956, 127.	4.5	0

#	Article	IF	Citations
8475	Waves in a forest: a random forest classifier to distinguish between gravitational waves and detector glitches. Classical and Quantum Gravity, 2023, 40, 235008.	4.0	1
8476	Insights into the Evolution of Ohnologous Sequences and Their Epigenetic Marks Post-WGD in <i>Malus Domestica</i>. Genome Biology and Evolution, 2023, 15, .	2.5	0
8477	An EMG-Based Biofeedback System for Tailored Interventions Involving Distributed Muscles. IEEE Sensors Journal, 2023, 23, 28095-28109.	4.7	0
8478	Experimental validation of the theoretical ejector model in a low-grade waste heat refrigeration system using R1233zdE as a working fluid. Applied Thermal Engineering, 2024, 236, 121716.	6.0	0
8479	Siena Galaxy Atlas 2020. Astrophysical Journal, Supplement Series, 2023, 269, 3.	7.7	4
8480	Single basolateral amygdala neurons in macaques exhibit distinct connectional motifs with frontal cortex. Neuron, 2023, 111, 3307-3320.e5.	8.1	3
8482	<scp>Arkenstone</scp> â€" I. A novel method for robustly capturing high specific energy outflows in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2023, 527, 1216-1243.	4.4	3
8483	The Effect of Pressureâ€Dependent Viscosity on the Dynamics of the Postâ€Overturn Lunar Mantle. Journal of Geophysical Research E: Planets, 2023, 128, .	3.6	0
8484	Observational Constraints on Close Binary Star Evolution. I. Putative Contact Binaries with Long Periods and High Mass Ratios. Astronomical Journal, 2023, 166, 200.	4.7	0
8485	Atomic-scale electronic inhomogeneity in single-layer iron chalcogenide alloys revealed by machine learning of STM/S data. AIP Advances, 2023, 13, .	1.3	0
8486	On the Migration Origin of the Hercules Moving Group with GAIA, LAMOST, APOGEE, and GALAH Surveys. Astrophysical Journal, 2023, 956, 146.	4.5	1
8488	Making hot Jupiters in stellar clusters II: efficient formation in binary systems. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8489	Assessment of a new sub-grid model for magnetohydrodynamical turbulence. II. Kelvin-Helmholtz instability.. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
8491	PLAT domain protein 1 (PLAT1/PLAFP) binds to the Arabidopsis thaliana plasma membrane and inserts a lipid. Plant Science, 2024, 338, 111900.	3.6	0
8492	Rapid Method of Wastewater Classification by Electronic Nose for Performance Evaluation of Bioreactors with Activated Sludge. Sensors, 2023, 23, 8578.	3.8	0
8493	The active CGCG 077-102 NED02 galaxy within the Abell 2063 galaxy cluster. Astronomy and Astrophysics, 0, , .	5.1	0
8494	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). V. The Structure of M33 in Resolved Stellar Populations. Astrophysical Journal, 2023, 957, 3.	4.5	2
8495	Detecting Prolonged Stress in Real Life Using Wearable Biosensors and Ecological Momentary Assessments: Naturalistic Experimental Study. Journal of Medical Internet Research, 0, 25, e39995.	4.3	0

#	ARTICLE	IF	CITATIONS
8496	On odd radio circles as supernova remnants: possible distances, ages, and ambient environments. Monthly Notices of the Royal Astronomical Society, 2023, 526, 6214-6223.	4.4	1
8497	Validation of simulated velocity distribution in isothermal mixing ventilation cases with particle streak tracking. International Journal of Ventilation, 0, , 1-15.	0.4	0
8498	Evaluation of the Photoplethysmogram-Based Deep Learning Model for Continuous Respiratory Rate Estimation in Surgical Intensive Care Unit. Bioengineering, 2023, 10, 1222.	3.5	0
8499	Small-angle scattering tensor tomography algorithm for robust reconstruction of complex textures. Acta Crystallographica Section A: Foundations and Advances, 2023, 79, 515-526.	0.1	2
8500	Mean-field dynamo due to spatio-temporal fluctuations of the turbulent kinetic energy. Journal of Fluid Mechanics, 2023, 973, .	3.4	0
8501	Computing the relative binding affinity of ligands based on a pairwise binding comparison network. Nature Computational Science, 2023, 3, 860-872.	8.0	0
8502	Custom JWST NIRSpec/IFU and MIRI/MRS Data Reduction Pipelines for Solar System Targets. Research Notes of the AAS, 2023, 7, 223.	0.7	0
8504	New Insights on 30 Dor B Revealed by High-quality Multiwavelength Observations. Astronomical Journal, 2023, 166, 204.	4.7	0
8507	A perspective of randomness in a clinical test of olfactory performance. Scientific Reports, 2023, 13, .	3.3	0
8508	Multicentric pilot study to standardize clinical whole exome sequencing (WES) for cancer patients. Npj Precision Oncology, 2023, 7, .	5.4	2
8510	Four functional profiles for fibre and mucin metabolism in the human gut microbiome. Microbiome, 2023, 11, .	11.1	1
8511	Meso-scale Standard Evapotranspiration â€˜Climateâ€™ Classification Derived From Numerical Weather Prediction Models And Artificial Intelligence. , 2023, , .		0
8512	MuSe-Personalization 2023: Feature Engineering, Hyperparameter Optimization, and Transformer-Encoder Re-discovery. , 2023, , .		1
8513	Excitation creates a distributed pattern of cortical suppression due to varied recurrent input. Neuron, 2023, 111, 4086-4101.e5.	8.1	1
8514	Artificial intelligence and deep learning in molecular testing. , 2024, , 687-730.		0
8515	Degenerative Cervical Myelopathy induces sex-specific dysbiosis in mice. Frontiers in Microbiology, 0, 14, .	3.5	1
8516	The Corona Australis star formation complex is accelerating away from the Galactic plane. Astronomy and Astrophysics, 0, , .	5.1	0
8517	A Cascadia Slab Model From Receiver Functions. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	1

#	Article	IF	Citations
8518	<scp>PACMan</scp>: A software package for automated single‐cell chlorophyll fluorometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 0, , .	1.5	0
8519	Statslator: Interactive Translation of NHST and Estimation Statistics Reporting Styles in Scientific Documents. , 2023, , .		0
8520	An explainable two-stage machine learning approach for precipitation forecast. Journal of Hydrology, 2023, 627, 130375.	5.4	1
8521	Testing the Surface Brightness Fluctuation Method on Dwarf Galaxies in the COSMOS Field. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8522	Practice as you Teach: Comparing Ordering Practices Between Shared and Physician-Only Visits in Academically Affiliated Community Emergency Departments. Journal of Emergency Medicine, 2024, 66, 170-176.	0.7	0
8523	Entropic Wasserstein Component Analysis. , 2023, , .		0
8524	Error bounds for variational quantum time evolution. Physical Review Applied, 2023, 20, .	3.8	1
8526	Domain adapted brain network fusion captures variance related to pubertal brain development and mental health. Nature Communications, 2023, 14, .	12.8	0
8527	Transiting Exoplanet Yields for the Roman Galactic Bulge Time Domain Survey Predicted from Pixel-level Simulations. Astrophysical Journal, Supplement Series, 2023, 269, 5.	7.7	1
8529	Quasar Factor Analysis—An Unsupervised and Probabilistic Quasar Continuum Prediction Algorithm with Latent Factor Analysis. Astrophysical Journal, Supplement Series, 2023, 269, 4.	7.7	3
8530	The Accretion History of AGN: The Spectral Energy Distributions of X-Ray-luminous Active Galactic Nuclei. Astrophysical Journal, 2023, 957, 19.	4.5	0
8531	Simulating ionization feedback from young massive stars: impact of numerical resolution. Monthly Notices of the Royal Astronomical Society, 2023, 527, 478-500.	4.4	1
8532	GenoSSRFinder: a tool for rapid, precise, and targeted simple sequence repeat detection in genomic studies. Brazilian Journal of Biology, 0, 83, .	0.9	0
8533	Benchmarking of Small Molecule Feature Representations for hERG, Nav1.5, and Cav1.2 Cardiotoxicity Prediction. Journal of Chemical Information and Modeling, 0, , .	5.4	0
8534	Global and cell type-specific immunological hallmarks of severe dengue progression identified via a systems immunology approach. Nature Immunology, 2023, 24, 2150-2163.	14.5	3
8535	Simple parameter estimation using observable features of gravitational-wave signals. Physical Review D, 2023, 108, .	4.7	3
8536	FAST-ASKAP Synergy: Quantifying Coexistent Tidal and Ram Pressure Strippings in the NGC 4636 Group. Astrophysical Journal, 2023, 956, 148.	4.5	0
8537	PASCal Python: A Principal Axis Strain Calculator. Journal of Open Source Software, 2023, 8, 5556.	4.6	1

#	Article	IF	Citations
8538	A Comprehensive Optical Search for Pre-explosion Outbursts from the Quiescent Progenitor of SN 2023ixf. Astrophysical Journal, 2023, 957, 28.	4.5	4
8539	Dependence of peculiar velocity on the host properties of the gravitational wave sources and its impact on the measurement of Hubble constant. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8540	Artificial intelligence discovery of a charging protocol in a micromaser quantum battery. Physical Review A, 2023, 108, .	2.5	2
8541	Survival in the Neptune desert: LTT 9779 b kept its atmosphere thanks to an unusually X-ray faint host star. Monthly Notices of the Royal Astronomical Society, 2023, 527, 911-918.	4.4	2
8542	A Dataset Fusion Algorithm for Generalised Anomaly Detection in Homogeneous Periodic Time Series Datasets. IEEE Access, 2023, 11, 121212-121230.	4.2	1
8543	Slumping regime in lock-release turbidity currents. Journal of Fluid Mechanics, 2023, 974, .	3.4	1
8544	Vibration Velocity Prediction with Regression and Forecasting Techniques for Axial Piston Pump. Applied Sciences (Switzerland), 2023, 13, 11636.	2.5	0
8545	Implementation of models to predict avocado exports. Journal Mathematical and Quantitative Methods, 0, , 6-17.	0.0	0
8546	The interplay between accretion, downsizing and the formation of box/peanut bulges in TNG50. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
8547	GenoDrawing: An Autoencoder Framework for Image Prediction from SNP Markers. Plant Phenomics, 2023, 5, .	5.9	1
8548	SUNRISE: The rich molecular inventory of high-redshift dusty galaxies revealed by broadband spectral line surveys. Astronomy and Astrophysics, 0, , .	5.1	1
8549	Dwarf galaxy archaeology from chemical abundances and star-formation histories. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5084-5109.	4.4	1
8550	CoSeNet: A novel approach for optimal segmentation of correlation matrices. , 2024, 144, 104270.		0
8551	TUR2SQL: A Cross-Domain Turkish Dataset For Text-to-SQL. , 2023, , .		0
8552	Stability and Detectability of Exomoons Orbiting HIP 41378 f, a Temperate Jovian Planet with an Anomalously Low Apparent Density. Astronomical Journal, 2023, 166, 208.	4.7	1
8553	Visible light photoacoustic ophthalmoscopy and near-infrared-II optical coherence tomography in the mouse eye. APL Photonics, 2023, 8, .	5.7	0
8554	Cost-Efficient High-Resolution Linear Absorption Spectra through Extrapolating the Dipole Moment from Real-Time Time-Dependent Electronic-Structure Theory. Journal of Chemical Theory and Computation, 0, , .	5.3	0
8556	The growth of the gargantuan black holes powering high-redshift quasars and their impact on the formation of early galaxies and protoclusters. Monthly Notices of the Royal Astronomical Society, 2023, 527, 1033-1054.	4.4	3

#	ARTICLE	IF	CITATIONS
8557	Influence of Temperature in the Early-age Elastic Modulus Evolution of Cement Pastes and Concrete. Journal of Advanced Concrete Technology, 2023, 21, 803-820.	1.8	1
8558	Protocol to implement a computational pipeline for biomedical discovery based on a biomedical knowledge graph. STAR Protocols, 2023, 4, 102666.	1.2	0
8559	Recurring Activity Discovered on Quasi-Hilda 2009 DQ118. Astrophysical Journal Letters, 2023, 957, L1.	8.3	6
8561	PortPred: Exploiting deep learning embeddings of amino acid sequences for the identification of transporter proteins and their substrates. Journal of Cellular Biochemistry, 0, , .	2.6	0
8562	Droplet absorption and spreading into thin layers of polymer hydrogels. Journal of Fluid Mechanics, 2023, 974, .	3.4	0
8563	Yang-Mills glueball masses from spectral reconstruction. Physical Review D, 2023, 108, .	4.7	0
8564	ACT-DR5 Sunyaev-Zel'dovich clusters: Weak lensing mass calibration with KiDS. Astronomy and Astrophysics, 0, , .	5.1	0
8565	Modeling HI at the field level. Physical Review D, 2023, 108, .	4.7	3
8566	A Stochastic Load Forecasting Approach to Prevent Transformer Failures and Power Quality Issues Amid the Evolving Electrical Demands Facing Utilities. Energies, 2023, 16, 7251.	3.1	0
8567	Enhanced connectivity and mobility in liquid water: Implications for the high density liquid structure and its onset. Journal of Molecular Liquids, 2023, 392, 123425.	4.9	0
8568	Spatial transcriptomics reveals unique gene expression changes in different brain regions after sleep deprivation. Nature Communications, 2023, 14, .	12.8	4
8569	Resonance characteristics of tsunami in bay of Japan by the Hunga Tonga-Hunga Ha'apai volcano eruption on 15th January 2022. Scientific Reports, 2023, 13, .	3.3	1
8570	Leveraging Attention-Based Convolutional Neural Networks for Meningioma Classification in Computational Histopathology. Cancers, 2023, 15, 5190.	3.7	1
8571	A cosmic-ray database update: CRDB v4.1. European Physical Journal C, 2023, 83, .	3.9	1
8572	Development of the Senseiver for efficient field reconstruction from sparse observations. Nature Machine Intelligence, 2023, 5, 1317-1325.	16.0	3
8573	Identifying the discs, bulges, and intra-halo light of simulated galaxies through structural decomposition. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2624-2638.	4.4	5
8574	Improved computational methods for probabilistic liquefaction hazard analysis. Soil Dynamics and Earthquake Engineering, 2024, 176, 108272.	3.8	0
8575	Microbial hitchhikers harbouring antimicrobial-resistance genes in the riverine plastisphere. Microbiome, 2023, 11, .	11.1	4

#	Article	IF	Citations
8576	Towards digital twins of waste sorting plants: Developing data-driven process models of industrial-scale sensor-based sorting units by combining machine learning with near-infrared-based process monitoring. Resources, Conservation and Recycling, 2024, 200, 107257.	10.8	0
8577	Single-molecule dynamics show a transient lipopolysaccharide transport bridge. Nature, 2023, 623, 814-819.	27.8	0
8578	<tt>emgr</tt> â€" EMpirical GRamian Framework VersionÂ5.99. ACM Transactions on Mathematical Software, 2023, 49, 1-8.	2.9	0
8579	U-Net Performance for Beach Wrack Segmentation: Effects of UAV Camera Bands, Height Measurements, and Spectral Indices. Drones, 2023, 7, 670.	4.9	2
8580	Neural landscape diffusion resolves conflicts between needs across time. Nature, 2023, 623, 571-579.	27.8	2
8581	Effect of choosing coordinate systems on computationally predicting nonradiative transition rates of flexible <scp>thermally activated delayed fluorescence</scp> molecules. Bulletin of the Korean Chemical Society, 2023, 44, 989-1003.	1.9	0
8582	The directional flow generated by peristalsis in perivascular networksâ€"Theoretical and numerical reduced-order descriptions. Journal of Applied Physics, 2023, 134, .	2.5	0
8583	Preserved neural dynamics across animals performing similar behaviour. Nature, 2023, 623, 765-771.	27.8	5
8584	Fundamental requirements of a machine learning operations platform for industrial metal additive manufacturing. Computers in Industry, 2024, 154, 104037.	9.9	0
8585	Hybridization of ellipsometry and XPS energy loss: Robust band gap and broadband optical constants determination of SiGe, HfON and MoOx thin films. Microelectronic Engineering, 2024, 283, 112117.	2.4	0
8586	GenoPipe: identifying the genotype of origin within (epi)genomic datasets. Nucleic Acids Research, 2023, 51, 12054-12068.	14.5	0
8587	Estimating microhaplotype allele frequencies from low-coverage or pooled sequencing data. BMC Bioinformatics, 2023, 24, .	2.6	1
8588	The Effects of Personalized Nudges on Cognitively Disengaged Student Behavior in Low-Stakes Assessments. Journal of Intelligence, 2023, 11, 204.	2.5	0
8589	Meta-reinforcement learning via orbitofrontal cortex. Nature Neuroscience, 2023, 26, 2182-2191.	14.8	2
8590	UQpy v4.1: Uncertainty quantification with Python. SoftwareX, 2023, 24, 101561.	2.6	1
8591	Decoding dissociation of sequence-specific proteinâ€"DNA complexes with non-equilibrium simulations. Nucleic Acids Research, 2023, 51, 12150-12160.	14.5	0
8592	Evolutionary design of explainable algorithms for biomedical image segmentation. Nature Communications, 2023, 14, .	12.8	5
8593	Machine learning models based on routinely sampled blood tests can predict the presence of malignancy amongst patients with suspected musculoskeletal malignancy. Methods, 2023, 220, 55-60.	3.8	0

#	ARTICLE	IF	CITATIONS
8594	Calculation of National Seismic Hazard Models with Large Logic Trees: Application to the NZ NSHM 2022. Seismological Research Letters, 0, , .	1.9	2
8595	GCparagon: evaluating and correcting GC biases in cell-free DNA at the fragment level. NAR Genomics and Bioinformatics, 2023, 5, .	3.2	0
8596	An AI based smart-phone system for asbestos identification. Journal of Hazardous Materials, 2024, 463, 132853.	12.4	0
8597	Aspects of scaling and scalability for flow-based sampling of lattice QCD. European Physical Journal A, 2023, 59, .	2.5	3
8598	Exploring dark matter spike distribution around the Galactic centre with stellar orbits. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3196-3207.	4.4	6
8599	Magnetic seizure therapy and electroconvulsive therapy increase aperiodic activity. Translational Psychiatry, 2023, 13, .	4.8	0
8600	Facemap: a framework for modeling neural activity based on orofacial tracking. Nature Neuroscience, 2024, 27, 187-195.	14.8	2
8601	The use of gene expression datasets in feature selection research: 20â€‰years of inherent bias?. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 0, , .	6.8	0
8602	Methane throughout the atmosphere of the warm exoplanet WASP-80b. Nature, 2023, 623, 709-712.	27.8	4
8603	ALP dark matter with non-periodic potentials: parametric resonance, halo formation and gravitational signatures. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 068.	5.4	1
8604	Analysis of the contact critical pressure of collapsible tubes for biomedical applications. Continuum Mechanics and Thermodynamics, 0, , .	2.2	0
8605	Mixed quantum-classical dynamics for near term quantum computers. Communications Physics, 2023, 6, .	5.3	0
8606	Questionable research practices in competitive grant funding: A survey. PLoS ONE, 2023, 18, e0293310.	2.5	0
8607	Photovoltaic fields largely outperform afforestation efficiency in global climate change mitigation strategies. , 2023, 2, .		0
8608	Too small to fail: characterizing sub-solar mass black hole mergers with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 039.	5.4	3
8609	Pulmonary disease detection and classification in patient respiratory audio files using long short-term memory neural networks. Frontiers in Medicine, 0, 10, .	2.6	1
8610	Visualization and efficient generation of constrained high-dimensional theoretical parameter spaces. Journal of High Energy Physics, 2023, 2023, .	4.7	0
8611	Ultrasonic assessment of cement-stabilized soils: Deep learning experimental results. Measurement: Journal of the International Measurement Confederation, 2023, 223, 113793.	5.0	0

#	ARTICLE	IF	CITATIONS
8612	Benchmark Dataset for Training Machine Learning Models to Predict the Pathway Involvement of Metabolites. Metabolites, 2023, 13, 1120.	2.9	0
8613	Host galaxies of ultra-strong Mgâ€‰<scp>ii</scp> absorbers at <i>z</i> â^¼ 0.7. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5075-5092.	4.4	0
8614	Eelbrain, a Python toolkit for time-continuous analysis with temporal response functions. ELife, 0, 12, .	6.0	2
8615	Multi-source and multimodal data fusion for improved management of a wastewater treatment plant. Journal of Environmental Chemical Engineering, 2023, 11, 111530.	6.7	0
8616	ABCal: a Python package for author bias computation and scientometric plotting for reviews and meta-analyses. Scientometrics, 0, , .	3.0	0
8617	A resonant sextuplet of sub-Neptunes transiting the bright star HD 110067. Nature, 2023, 623, 932-937.	27.8	3
8618	The formation of bars and warps in rotating haloes. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7781-7793.	4.4	0
8619	Optimal-Control-Based $C\beta$ Chemical Shift Encoding for Efficient Signal Assignment of Solid Proteins. Journal of Physical Chemistry B, 2023, 127, 10118-10128.	2.6	0
8620	Comparative effectiveness of explainable machine learning approaches for extrauterine growth restriction classification in preterm infants using longitudinal data. Frontiers in Medicine, 0, 10, .	2.6	0
8621	Predicting the performance of an industrial furnace using Gaussian process and linear regression: A comparison. Computers and Chemical Engineering, 2024, 181, 108513.	3.8	0
8622	Multicolor Photometry of Tiny Near-Earth Asteroid 2015 RN$_{35}$ across a Wide Range of Phase Angles: Possible Mission-accessible A-type Asteroid. Astronomical Journal, 2023, 166, 229.	4.7	0
8623	Investigating an extended multiphase flow model that includes specific interfacial area. Computer Methods in Applied Mechanics and Engineering, 2024, 418, 116594.	6.6	1
8624	CONANâ€"€Novel Tool to Create and Analyze Liquids in Confined Space. Journal of Chemical Information and Modeling, 2023, 63, 6706-6716.	5.4	0
8625	LIGOâ€"Virgoâ€"KAGRA's Oldest Black Holes: Probing Star Formation at Cosmic Noon With GWTC-3. Astrophysical Journal Letters, 2023, 957, L31.	8.3	0
8626	Insights into Hildebrand Solubility Parameters â€•Contributions from Cohesive Energies or Electrophilicity Densities?. ChemPhysChem, 0, , .	2.1	0
8627	Evaluating <i>E.â€‰coli</i> genomeâ€scale metabolic model accuracy with highâ€throughput mutant fitness data. Molecular Systems Biology, 2023, 19, .	7.2	1
8628	Functional brain region-specific neural spheroids for modeling neurological diseases and therapeutics screening. Communications Biology, 2023, 6, .	4.4	2
8629	Coevolution of Rock Slope Instability Damage and Resonance Frequencies From Distinctâ€Element Modeling. Journal of Geophysical Research F: Earth Surface, 2023, 128, .	2.8	0

#	ARTICLE	IF	CITATIONS
8630	Near-infrared-based quality control of plastic pre-concentrates in lightweight-packaging waste sorting plants. Resources, Conservation and Recycling, 2024, 201, 107256.	10.8	0
8631	Controlling stable Bloch points with electric currents. Scientific Reports, 2023, 13, .	3.3	0
8632	Performance of Common Scene Stacking Atmospheric Correction on Nonlinear InSAR Deformation Retrieval. Remote Sensing, 2023, 15, 5399.	4.0	0
8633	Planets Across Space and Time (PAST). IV. The Occurrence and Architecture of Kepler Planetary Systems as a Function of Kinematic Age Revealed by the LAMOSTâ€"Gaiaâ€"Kepler Sample. Astronomical Journal, 2023, 166, 243.	4.7	2
8634	Configuration sampling in multi-component multi-sublattice systems enabled by ab Initio Configuration Sampling Toolkit (abICS). Science and Technology of Advanced Materials Methods, 2023, 3, .	1.3	0
8635	Applications of remote sensing vis-Ã-vis machine learning in air quality monitoring and modelling: a review. Environmental Monitoring and Assessment, 2023, 195, .	2.7	0
8636	Tidal Dissipation Regimes among the Short-period Exoplanets. Astrophysical Journal Letters, 2023, 958, L21.	8.3	0
8637	Enhancing VQE Convergence for Optimization Problems with Problem-Specific Parameterized Quantum Circuits. IEICE Transactions on Information and Systems, 2023, E106.D, 1772-1782.	0.7	0
8638	Alpha peak frequency-based Brainmarker-I as a method to stratify to pharmacotherapy and brain stimulation treatments in depression. , 2023, 1, 1023-1032.		2
8639	Quaking isoforms cooperate to promote the mesenchymal phenotype. Molecular Biology of the Cell, 0, , .	2.1	0
8640	An integrated approach for quantifying fluid inclusion data combining microthermometry, LA-ICP-MS, and thermodynamic modeling. Chemical Geology, 2024, 644, 121863.	3.3	0
8641	Can comets deliver prebiotic molecules to rocky exoplanets?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2023, 479, .	2.1	0
8642	Boosting the generality of catalytic systems by the synergetic ligand effect in Pd-catalyzed C-N cross-coupling. Journal of Catalysis, 2024, 429, 115240.	6.2	0
8643	Dynamical aspects of Galactic habitability in N-body simulations. Publications of the Astronomical Society of Australia, 2023, 40, .	3.4	0
8644	An atypical GABARAP binding module drives the pro-autophagic potential of the AML-associated NPM1c variant. Cell Reports, 2023, 42, 113484.	6.4	0
8645	SRG/eROSITA catalogue of X-ray active SDSS dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 527, 1962-1981.	4.4	4
8646	Supermassive black hole mass in the massive elliptical galaxy M87 from integral-field stellar dynamics using OASIS and MUSE with adaptive optics: assessing systematic uncertainties. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2341-2361.	4.4	3
8647	<scp>thesan-hr</scp>: galaxies in the Epoch of Reionization in warm dark matter, fuzzy dark matter, and interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2835-2857.	4.4	2

#	ARTICLE	IF	CITATIONS
8648	Local models of two-temperature accretion disc coronae â€" I. Structure, outflows, and energetics. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2895-2918.	4.4	0
8649	Stored in the archives: Uncovering the CN/CO intensity ratio with ALMA in nearby U/LIRGs. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2963-2990.	4.4	0
8650	Sub-mJy radio emission from high-redshift active galactic nuclei in the footprint of the VLA Sky Survey. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3436-3444.	4.4	1
8651	J0107a: A Barred Spiral Dusty Star-forming Galaxy at z = 2.467. Astrophysical Journal Letters, 2023, 958, L26.	8.3	0
8652	Connecting the escape fraction of Lyman-alpha and Lyman-continuum photons in star-forming galaxies at z **≳** 4â€"5. Monthly Notices of the Royal Astronomical Society, 2023, 527, 4040-4051.	4.4	1
8653	UNCOVER: Illuminating the Early Universeâ€"JWST/NIRSpec Confirmation of z > 12 Galaxies. Astrophysical Journal Letters, 2023, 957, L34.	8.3	5
8654	A multitracer empirically driven approach to line-intensity mapping light cones. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5883-5899.	4.4	1
8655	Why Do Deep Learning Projects Differ in Compatible Framework Versions? An Exploratory Study. , 2023, , .		0
8656	Distinguishing binary black hole precessional morphologies with gravitational wave observations. Physical Review D, 2023, 108, .	4.7	1
8657	Selecting Textural Characteristics ofÂChest X-Rays forÂPneumonia Lesions Classification withÂtheÂIntegrated Gradients XAI Attribution Method. Communications in Computer and Information Science, 2023, , 671-687.	0.5	0
8658	A neural code for time and space in the human brain. Cell Reports, 2023, 42, 113238.	6.4	2
8659	Increasing Burden of Upper-Extremity Fractures in the Middle East and North Africa (MENA). Journal of Bone and Joint Surgery - Series A, 2024, 106, 323-336.	3.0	0
8660	AimSeg: A machine-learning-aided tool for axon, inner tongue and myelin segmentation. PLoS Computational Biology, 2023, 19, e1010845.	3.2	0
8661	Ready-to-use nanopore platform for label-free small molecule quantification: Ethanolamine as first example. Nanomedicine: Nanotechnology, Biology, and Medicine, 2024, 55, 102724.	3.3	0
8662	Analog neuromorphic circuit for spontaneous Ca2+ oscillations. Scientific Reports, 2023, 13, .	3.3	0
8663	Natural Abundance Isotope Ratio Measurements of Organic Molecules Using 21 T FTICR MS. Analytical Chemistry, 2023, 95, 17203-17211.	6.5	0
8664	Haplotype-based inference of recent effective population size in modern and ancient DNA samples. Nature Communications, 2023, 14, .	12.8	1
8665	Contractile ring mechanosensation and its anillin-dependent tuning during early embryogenesis. Nature Communications, 2023, 14, .	12.8	0

#	Article	IF	Citations
8666	Responses to Pattern-Violating Visual Stimuli Evolve Differently Over Days in Somata and Distal Apical Dendrites. Journal of Neuroscience, 2024, 44, e1009232023.	3.6	0
8667	A near-infrared variability survey of young planetary-mass objects. Monthly Notices of the Royal Astronomical Society, 2023, 527, 6624-6674.	4.4	0
8668	Metagenomic binning of PacBio HiFi data prior to assembly reveals a complete genome of <i>Cosmopolites sordidus</i> (Germar) (Coleopterea: Curculionidae, Dryophthorinae) the most damaging arthropod pest of bananas and plantains. PeerJ, 0, 11, e16276.	2.0	0
8669	A Comprehensive Assessment of Indoor Air Quality and Thermal Comfort in Educational Buildings in the Mediterranean Climate. Indoor Air, 2023, 2023, 1-25.	4.3	0
8670	A fully automated machine learning-based methodology for personalized radiation dose assessment in thoracic and abdomen CT. Physica Medica, 2024, 117, 103195.	0.7	0
8671	Investigating the suitability of data-driven methods for extracting physical parameters in cosmological models. Astronomy and Computing, 2023, 45, 100762.	1.7	0
8672	Clinical EEG slowing induced by electroconvulsive therapy is better described by increased frontal aperiodic activity. Translational Psychiatry, 2023, 13, .	4.8	0
8673	Machine learning classification of diagnostic accuracy in pathologists interpreting breast biopsies. Journal of the American Medical Informatics Association: JAMIA, 2024, 31, 552-562.	4.4	0
8674	Cosmological prior for the J -factor estimation of dwarf spheroidal galaxies. Physical Review D, 2023, 108, .	4.7	0
8678	Spatial correlation of 2D hard-tissue histology with 3D microCT scans through 3D printed phantoms. Scientific Reports, 2023, 13, .	3.3	0
8679	Toward Better SSIM Loss forÂUnsupervised Monocular Depth Estimation. Lecture Notes in Computer Science, 2023, , 81-92.	1.3	1
8680	Particle image velocimetry in the impeller of a centrifugal pump: A POD-based analysis. Flow Measurement and Instrumentation, 2023, 94, 102483.	2.0	0
8681	Using physics-informed neural networks with small datasets to predict the length of gas turbine nozzle cracks. Advanced Engineering Informatics, 2023, 58, 102232.	8.0	0
8682	Global Mapping of Microwave Emissivity and Emitting Depth in Arid Areas Using GMI Observations. Earth and Space Science, 2023, 10, .	2.6	0
8683	PyFMLab: Open-source software for atomic force microscopy microrheology data analysis. Open Research Europe, 0, 3, 187.	2.0	0
8684	Self-Renewal Machine Learning Approach for Fast Wireless Network Optimization. , 2023, , .		0
8685	Feasibility Study of Incremental Neural Network Based Test Escape Detection by Introducing Transfer Learning Technique. , 2023, , .		0
8686	GTC Follow-up Observations of Very Metal-poor Star Candidates from DESI. Astrophysical Journal, 2023, 957, 76.	4.5	0

#	ARTICLE	IF	CITATIONS
8687	Total mass slopes and enclosed mass constrained by globular cluster system dynamics. Astronomy and Astrophysics, 0, , .	5.1	0
8688	Counterfactual Functional Connectomes for Neurological Classifier Selection. , 2023, , .		0
8689	A novel method for solving universum twin bounded support vector machine in the primal space. Annals of Mathematics and Artificial Intelligence, 0, , .	1.3	0
8690	An infrared FWHM–K_2 correlation to uncover highly reddened quiescent black holes. Astronomy and Astrophysics, 2023, 679, L11.	5.1	0
8691	Monomeric α‐synuclein activates the plasma membrane calcium pump. EMBO Journal, 2023, 42, .	7.8	2
8692	An Open-Source Framework for Efficient Numerically-Tailored Computations. , 2023, , .		0
8694	Fitting high-resolution electron density maps from atomic models to solution scattering data. Biophysical Journal, 2023, 122, 4567-4581.	0.5	0
8695	Correlation-induced sensitivity and non-Hermitian skin effect of quasiparticles. Physical Review Research, 2023, 5, .	3.6	1
8696	UV-optical Emission of AB Aur b Is Consistent with Scattered Stellar Light. Astronomical Journal, 2023, 166, 220.	4.7	2
8697	Exploring Circulating Long Non-Coding RNAs in Mild Cognitive Impairment Patients' Blood. Biomedicines, 2023, 11, 2963.	3.2	0
8698	A positivity-preserving adaptive-order finite-difference scheme for GRMHD. Classical and Quantum Gravity, 2023, 40, 245014.	4.0	0
8699	SOLES. VII. The Spin–Orbit Alignment of WASP-106 b, a Warm Jupiter along the Kraft Break. Astronomical Journal, 2023, 166, 217.	4.7	4
8702	Kinematical Fluctuations Vary with Galaxy Surface Mass Density. Astrophysical Journal Letters, 2023, 957, L12.	8.3	0
8703	A machine learning based approach with an augmented dataset for fatigue life prediction of additively manufactured Ti-6Al-4V samples. Engineering Fracture Mechanics, 2023, 293, 109709.	4.3	1
8705	Using the Ellipsoid Method to Study Relationships in Medical Data. Cybernetics and Computer Technologies, 2023, , 23-43.	0.1	0
8707	Is the M81 Fast Radio Burst Host Globular Cluster Special?. Astrophysical Journal Letters, 2023, 957, L17.	8.3	0
8708	Bayesian inference elucidates fault-system anatomy and resurgent earthquakes induced by continuing saltwater disposal. Communications Earth & Environment, 2023, 4, .	6.8	3
8712	Verification of Gaia Data Release 3 Single-lined Spectroscopic Binary Solutions With Three Transiting Low-mass Secondaries. Astronomical Journal, 2023, 166, 225.	4.7	0

#	Article	IF	Citations
8713	Cosmological coupling of nonsingular black holes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 007.	5.4	5
8714	Predicting 3D particles shapes based on 2D images by using convolutional neural network. Powder Technology, 2024, 432, 119122.	4.2	1
8715	A portrait of the vast polar structure as a young phenomenon: Hints from its member satellites. Astronomy and Astrophysics, 0, , .	5.1	1
8716	The e-MANTIS emulator: fast predictions of the non-linear matter power spectrum in $f(R)$CDM cosmology. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7242-7262.	4.4	1
8717	Reduced ambiguity and improved interpretability of bacterial genome-wide associations using gene-cluster-centric k-mers. Microbial Genomics, 2023, 9, .	2.0	0
8718	Constraining the top-light initial mass function in the extended ultraviolet disk of M83. Astronomy and Astrophysics, 0, , .	5.1	0
8719	A Dragon Out of Breath? Monitoring High-velocity Outflows from the High-mass Gamma-Ray Binary LS 2883/PSR B1259â€"63 During the 2017â€"2021 Binary Cycle. Astrophysical Journal, 2023, 958, 5.	4.5	0
8720	GOALS-JWST: Small Neutral Grains and Enhanced 3.3 Î¼m PAH Emission in the Seyfert Galaxy NGC 7469. Astrophysical Journal Letters, 2023, 957, L26.	8.3	1
8721	Stabilizing machine learning prediction of dynamics: Novel noise-inspired regularization tested with reservoir computing. Neural Networks, 2024, 170, 94-110.	5.9	0
8722	Matrix decomposition methods for accurate water saturation prediction in Canadian oil-sands by LF-NMR T2 measurements. , 2024, 233, 212438.		0
8725	ImageNomer: Description of a functional connectivity and omics analysis tool and case study identifying a race confound. NeuroImage Reports, 2023, 3, 100191.	1.0	0
8726	oMEGACat. I. MUSE Spectroscopy of 300,000 Stars within the Half-light Radius of Ï‰ Centauri. Astrophysical Journal, 2023, 958, 8.	4.5	1
8727	SIMPLE: Simple Intensity Map Producer for Line Emission. Astrophysical Journal, 2023, 958, 4.	4.5	0
8728	Catalogue of model star clusters in the Milky Way and M31 galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3692-3708.	4.4	0
8729	Investigating Public Awareness and Attitudes towards People with Bipolar Disorder in Punjab, Pakistan: A Cross-Sectional Study. , 0, , 99-104.		0
8730	Quasar feedback survey: molecular gas affected by central outflows and by âˆ¼10-kpc radio lobes reveal dual feedback effects in â€˜radio quietâ€™ quasars. Monthly Notices of the Royal Astronomical Society, 2023, 527, 9322-9342.	4.4	1
8731	First M87 Event Horizon Telescope Results. IX. Detection of Near-horizon Circular Polarization. Astrophysical Journal Letters, 2023, 957, L20.	8.3	5
8733	Detecting Memory Errors in Python Native Code by Tracking Object Lifecycle with Reference Count. , 2023, , .		0

#	Article	IF	Citations
8734	Demystifying dimensionality reduction techniques in the 'omics' era: A practical approach for biological science students. Biochemistry and Molecular Biology Education, 2024, 52, 165-178.	1.2	0
8735	Copula-based modeling and simulation of 3D systems of curved fibers by isolating intrinsic fiber properties and external effects. Scientific Reports, 2023, 13, .	3.3	0
8736	The asset administration shell as enabler for predictive maintenance: a review. Journal of Intelligent Manufacturing, 0, , .	7.3	2
8737	Validating AU Microscopii d with Transit Timing Variations. Astronomical Journal, 2023, 166, 232.	4.7	2
8738	Agent-based models under uncertainty. F1000Research, 0, 12, 834.	1.6	0
8740	SPIRou reveals unusually strong magnetic fields of slowly rotating MÂdwarfs. Monthly Notices of the Royal Astronomical Society, 2023, 527, 4330-4352.	4.4	0
8741	Machine Learning to Forecast Financial Bubbles in Stock Markets: Evidence from Vietnam. International Journal of Financial Studies, 2023, 11, 133.	2.3	0
8742	Encapsulation structure and dynamics in hypergraphs. Journal of Physics Complexity, 2023, 4, 045007.	2.2	2
8743	PNet—A Deep Learning Based Photometry and Astrometry Bayesian Framework. Astronomical Journal, 2023, 166, 235.	4.7	0
8744	BLR: a flexible pipeline for haplotype analysis of multiple linked-read technologies. Nucleic Acids Research, 2023, 51, e114-e114.	14.5	0
8745	The minimum measurable eccentricity from gravitational waves of LISA massive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4176-4187.	4.4	2
8746	Empirical 2MASS–WFC3/IR Filter Transformations Across the H-R Diagram from Synthetic Photometry. Astronomical Journal, 2023, 166, 236.	4.7	0
8747	Exploring the impact of longitudinal modulation on the twisting angle in Pancharatnam-Berry phase-based waveguides. Optics Express, 2023, 31, 44283.	3.4	0
8748	The Search for Topographic Correlations within the Reiner Gamma Swirl. Planetary Science Journal, 2023, 4, 212.	3.6	1
8749	Varstrometry for Off-nucleus and Dual Sub-kiloparsec Active Galactic Nuclei (VODKA): Very Long Baseline Array Searches for Dual or Off-nucleus Quasars and Small-scale Jets. Astrophysical Journal, 2023, 958, 29.	4.5	0
8750	Searching for the spectral depolarization of ASKAP one-off FRB sources. Monthly Notices of the Royal Astronomical Society, 2023, 527, 4285-4296.	4.4	0
8751	*tomoCAM*: fast model-based iterative reconstruction via GPU acceleration and non-uniform fast Fourier transforms. Journal of Synchrotron Radiation, 2024, 31, .	2.4	0
8752	shmem4py: High-Performance One-Sided Communication for Python Applications. , 2023, , .		0

#	Article	IF	Citations
8753	The GW Vir Instability Strip in Light of New Observations of PG 1159 Stars: Discovery of Pulsations in the Central Star of A72 and Variability of RX J0122.9â€"7521. Astrophysical Journal, Supplement Series, 2023, 269, 32.	7.7	0
8754	Maximum Likelihood Based Phase-Retrieval Using Fresnel Propagation Forward Models With Optional Constraints. IEEE Transactions on Computational Imaging, 2023, 9, 1111-1125.	4.4	0
8755	Enabling Agile Analysis of I/O Performance Data with PyDarshan. , 2023, , .		0
8756	Investigating image-based fallow weed detection performance on Raphanus sativus and Avena sativa at speeds up to 30Âkm hâˆ'1. Computers and Electronics in Agriculture, 2023, 215, 108419.	7.7	0
8757	Performance of affine-splitting pseudo-spectral methods for fractional complex Ginzburg-Landau equations. Applied Mathematics and Computation, 2024, 466, 128428.	2.2	0
8759	Efficient data redistribution for malleable applications. , 2023, , .		0
8761	Quantitative analysis of peroxisome tracks using a Hidden Markov Model. Scientific Reports, 2023, 13, .	3.3	0
8762	oggmap: a Python package to extract gene ages per orthogroup and link them with single-cell RNA data. Bioinformatics, 2023, 39, .	4.1	1
8763	Instant processing of large-scale image data with FACT, a real-time cell segmentation and tracking algorithm. Cell Reports Methods, 2023, 3, 100636.	2.9	0
8765	MetalHawk: Enhanced Classification of Metal Coordination Geometries by Artificial Neural Networks. Journal of Chemical Information and Modeling, 0, , .	5.4	0
8766	Data-Driven Modeling of Appliance Energy Usage. Energies, 2023, 16, 7536.	3.1	0
8767	ATOMIUM: Molecular inventory of 17 oxygen-rich evolved stars observed with ALMA. Astronomy and Astrophysics, 2024, 681, A50.	5.1	1
8768	Probing the large scale structure using gravitational-wave observations of binary black holes. Physical Review D, 2023, 108, .	4.7	0
8770	Does NANOGrav observe a dark sector phase transition?. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 053.	5.4	14
8771	Drift Correction and Subâ€Ensemble Predictive Skill Evaluation of the Decadal Prediction Large Ensemble With Application to Regional Studies. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0
8772	A Hale-like Cycle in the Solar Twin 18 Scorpii. Astrophysical Journal, 2023, 958, 57.	4.5	0
8773	SOFIA FEEDBACK Survey: The Pillars of Creation in [C ii] and Molecular Lines. Astronomical Journal, 2023, 166, 240.	4.7	0
8774	Wealth of nomads â€" an exploratory analysis of livestock inequality in the Saami reindeer husbandry. Humanities and Social Sciences Communications, 2023, 10, .	2.9	0

#	Article	IF	Citations
8775	Giant Outer Transiting Exoplanet Mass (GOT â€™EM) Survey. III. Recovery and Confirmation of a Temperate, Mildly Eccentric, Single-transit Jupiter Orbiting TOI-2010. Astronomical Journal, 2023, 166, 239.	4.7	1
8776	Prompt: Probability-conserved cross section biasing Monte Carlo particle transport system. Computer Physics Communications, 2024, 295, 109004.	7.5	0
8777	spiketools: a Python package for analyzing single-unit neural activity. Journal of Open Source Software, 2023, 8, 5268.	4.6	0
8778	Improved YOLOV8 Network and Application in Safety Helmet Detection. Journal of Physics: Conference Series, 2023, 2632, 012012.	0.4	1
8779	Wrinkles in Time. I. Rapid Rotators Found in High-eccentricity Orbits. Astrophysical Journal, 2023, 958, 76.	4.5	0
8780	Legate Sparse: Distributed Sparse Computing in Python. , 2023, , .		0
8781	Beyond <i>Gaia</i> DR3: Tracing the [<i>Î±</i>/M] â€" [M/H] bimodality from the inner to the outer Milky Way disc with <i>Gaia</i>-RVS and convolutional neural networks. Astronomy and Astrophysics, 2024, 682, A9.	5.1	2
8782	Shocking Sgr B2(N1) with its own outflow: A new perspective on segregation between O- and N-bearing molecules. Astronomy and Astrophysics, 0, , .	5.1	0
8783	An X-Ray Census of Fast Radio Burst Host Galaxies: Constraints on Active Galactic Nuclei and X-Ray Counterparts. Astrophysical Journal, 2023, 958, 66.	4.5	1
8784	Black Hole Polarimetry I. A Signature of Electromagnetic Energy Extraction. Astrophysical Journal, 2023, 958, 65.	4.5	1
8785	Unsupervised machine learning to analyze corneal tissue surfaces. , 2023, 1, .		0
8786	Advection-based tracking and analysis of salinity movement in the Indian Ocean. Computers and Geosciences, 2024, 182, 105493.	4.2	0
8787	The Galactic Interstellar Object Population: A Framework for Prediction and Inference. Astronomical Journal, 2023, 166, 241.	4.7	1
8788	How Nested Bars Enhance, Modulate, and Are Destroyed by Gas Inflows. Astrophysical Journal, 2023, 958, 77.	4.5	1
8789	Early Source Characterization of Large Earthquakes Using <i>W</i> Phase and Prompt Elastogravity Signals. Seismological Research Letters, 0, , .	1.9	0
8790	Numerical relativity estimates of the remnant recoil velocity in binary neutron star mergers. Physical Review D, 2023, 108, .	4.7	0
8791	The Atacama Cosmology Telescope: map-based noise simulations for DR6. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 073.	5.4	2
8792	Radio-continuum spectra of ram-pressure-stripped galaxies in the Coma Cluster. Astronomy and Astrophysics, 2024, 683, A11.	5.1	0

#	Article	IF	Citations
8793	Celestial compass sensor mimics the insect eye for navigation under cloudy and occluded skies. , 2023, 2, .		1
8794	The BINGO Project. IX. Search for fast radio bursts â€" A forecast for the BINGO interferometry system. Astronomy and Astrophysics, 0, , .	5.1	0
8795	Cosmology from LOFAR Two-metre Sky Survey Data Release 2: Cross-correlation with the cosmic microwave background. Astronomy and Astrophysics, 0, , .	5.1	0
8796	Measuring distances to galaxies with globular cluster velocity dispersions. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5767-5775.	4.4	0
8797	Accelerated Bayesian inference of plasma profiles with self-consistent MHD equilibria at W7-X via neural networks. Journal of Instrumentation, 2023, 18, P11012.	1.2	0
8798	Effect of Spherical Polarization on the Magnetic Spectrum of the Solar Wind. Astrophysical Journal, 2023, 958, 88.	4.5	3
8799	Reconsidering photometric estimation of local star formation environment and its correlation with Type Ia supernova luminosity. Monthly Notices of the Royal Astronomical Society, 2023, 527, 4359-4369.	4.4	0
8800	GrassmannTN: A Python package for Grassmann tensor network computations. , 0, , .		3
8801	Hybrid propagation physics for the design and modeling of astronomical observatories: a coronagraphic example. Journal of Astronomical Telescopes, Instruments, and Systems, 2023, 9, .	1.8	0
8802	[C ii] Spectral Mapping of the Galactic Wind and Starbursting Disk of M82 with SOFIA. Astrophysical Journal, 2023, 958, 109.	4.5	0
8803	AnnRG - An artificial neural network solute geothermometer. Applied Computing and Geosciences, 2023, 20, 100144.	2.2	0
8804	Outcomes and Direct Cost of Isolated Nonemergent CABG in Patients With Low Ejection Fraction. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2023, 18, 557-564.	0.9	0
8805	Demand response programs: Comparing price signals and direct load control. Energy, 2024, 288, 129673.	8.8	0
8806	Galclaim: A tool to identify host galaxy of astrophysical transient sources. SoftwareX, 2023, 24, 101582.	2.6	0
8807	Early-growing Supermassive Black Holes Strengthen Bars and Boxy/Peanut Bulges. Astrophysical Journal, 2023, 958, 119.	4.5	1
8808	Bringing 2D Eclipse Mapping out of the Shadows with Leave-one-out Cross Validation. Astronomical Journal, 2023, 166, 251.	4.7	0
8809	HIV Prevention Among Men Who Have Sex With Men: Tenofovir Alafenamide Combination Preexposure Prophylaxis Versus Placebo. Journal of Infectious Diseases, 0, , .	4.0	0
8810	Model predictive control simulations with block-hierarchical differentialâ€"algebraic process models. Journal of Process Control, 2023, 132, 103113.	3.3	0

#	ARTICLE	IF	CITATIONS
8811	Constraining stellar and orbital co-evolution through ensemble seismology of solar-like oscillators in binary systems. Astronomy and Astrophysics, 2024, 682, A7.	5.1	1
8812	A diffusion-based kernel density estimator (diffKDE, version 1) with optimal bandwidth approximation for the analysis of data in geoscience and ecological research. Geoscientific Model Development, 2023, 16, 6609-6634.	3.6	0
8814	Adoption of Chinese Cars and the Shift to Electric Vehicles: Early Evidence From Norway. SSRN Electronic Journal, 0, , .	0.4	0
8815	Axis convergence in C.Âelegans embryos. Current Biology, 2023, 33, 5096-5108.e15.	3.9	0
8816	UAV-based individual Chinese cabbage weight prediction using multi-temporal data. Scientific Reports, 2023, 13, .	3.3	0
8818	Design of a Soft Sensor Based on Long Short-Term Memory Artificial Neural Network (LSTM) for Wastewater Treatment Plants. Sensors, 2023, 23, 9236.	3.8	0
8819	Bottom-up Assembled Synthetic SARS-CoV-2 Miniviruses Reveal Lipid Membrane Affinity of Omicron Variant Spike Glycoprotein. ACS Nano, 2023, 17, 23913-23923.	14.6	1
8820	Data-based model applied to thermoforming process control. International Journal of Advanced Manufacturing Technology, 2023, 129, 5347-5358.	3.0	0
8822	The transcriptional and phenotypic characteristics that define alveolar macrophage subsets in acute hypoxemic respiratory failure. Nature Communications, 2023, 14, .	12.8	0
8823	Artificial intelligence-based machine learning data classification for the analysis of underwater noise of ship traffic and bottlenose dolphin sounds. , 2023, , .		0
8824	APS calculator: a data-driven tool for setting outcome-based analytical performance specifications for measurement uncertainty using specific clinical requirements and population data. Clinical Chemistry and Laboratory Medicine, 2024, 62, 597-607.	2.3	3
8825	HAFFET: Hybrid Analytic Flux FittEr for Transients. Astrophysical Journal, Supplement Series, 2023, 269, 40.	7.7	2
8827	Not-so-random forests: Comparing voting and decision tree ensembles for characterizing partial harvest events. International Journal of Applied Earth Observation and Geoinformation, 2023, 125, 103561.	1.9	0
8828	Harbour seals use rhythmic percussive signalling in interaction and display. Animal Behaviour, 2024, 207, 223-234.	1.9	1
8829	Cellular Iron Deficiency Disrupts Thyroid Hormone Regulated Gene Expression in Developing Hippocampal Neurons. Journal of Nutrition, 2023, , .	2.9	0
8830	S 308 and other X-ray emitting bubbles around Wolf-Rayet stars. Astronomy and Astrophysics, 0, , .	5.1	0
8831	Comparison and evaluation of resolved resonance region covariance representations. Journal of Nuclear Science and Technology, 2024, 61, 192-205.	1.3	0
8832	Exploring the dust grain size and polarization mechanism in the hot and massive Class 0 disk IRAS 16293-2422 B. Astronomy and Astrophysics, 0, , .	5.1	0

#	Article	IF	Citations
8833	First asteroseismic analysis of the globular cluster M80: multiple populations and stellar mass-loss. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7974-7993.	4.4	2
8834	DiME and AGVis: A Distributed Messaging Environment and Geographical Visualizer for Large-Scale Power System Simulation. , 2023, , .		0
8835	PLQâˆ'sim: A computational tool for simulating photoluminescence quenching dynamics in organic donor/acceptor blends. Computer Physics Communications, 2024, 296, 109015.	7.5	1
8837	An efficient network intrusion detection approach based on logistic regression model and parallel artificial bee colony algorithm. Computer Standards and Interfaces, 2024, 89, 103808.	5.4	0
8838	Intrusive and non-intrusive uncertainty quantification methodologies for pyrolysis modeling. Fire Safety Journal, 2024, 143, 104060.	3.1	0
8839	Preprocessing and Analyzing Raman Spectra Using Python. , 0, , .		0
8841	Geometric distortion and astrometric calibration of the JWST MIRI Medium Resolution Spectrometer. Astronomy and Astrophysics, 0, , .	5.1	0
8842	Variability as a Predictor for the Hard-to-soft State Transition in GX 339âˆ'4. Astrophysical Journal, 2023, 958, 153.	4.5	0
8843	First VLTI/GRAVITY Observations of HIP 65426 b: Evidence for a Low or Moderate Orbital Eccentricity. Astronomical Journal, 2023, 166, 257.	4.7	1
8844	CLASS Observations of Atmospheric Cloud Polarization at millimeter Wavelengths. Astrophysical Journal, 2023, 958, 154.	4.5	0
8845	Bound Debris Expulsion from Neutron Star Merger Remnants. Astrophysical Journal, 2023, 958, 161.	4.5	1
8846	Inexact GMRES Policy Iteration for Large-Scale Markov Decision Processes. IFAC-PapersOnLine, 2023, 56, 11249-11254.	0.9	1
8847	Reinforcement Learning in an Adaptable Chess Environment for Detecting Human-understandable Concepts. IFAC-PapersOnLine, 2023, 56, 9050-9055.	0.9	0
8848	The Simple Solution for Nonlinear State Estimation of Ill-Conditioned Systems: The Normalized Unscented Kalman Filter. IFAC-PapersOnLine, 2023, 56, 5951-5956.	0.9	0
8849	Power Smoothing in Condominium Microgrids ConGRID case study. , 2023, , .		0
8850	Galaxy cluster mass bias from projected mass maps. Astronomy and Astrophysics, 2024, 682, A124.	5.1	0
8851	TREYESCAN: configuration of an eye tracking test for the measurement of compensatory eye movements in patients with visual field defects. Scientific Reports, 2023, 13, .	3.3	0
8852	ChromaX: a fast and scalable breeding program simulator. Bioinformatics, 2023, 39, .	4.1	0

#	Article	IF	Citations
8854	Cannonball or Bowling Ball: Proper Motion and Parallax for PSR J0002+6216. Astrophysical Journal, 2023, 958, 163.	4.5	1
8855	First Light And Reionisation Epoch Simulations (FLARES) â€" XII: The consequences of starâ€"dust geometry on galaxies in the EoR. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7337-7354.	4.4	1
8856	The oxidation state of titanium in silicate melts. Geochimica Et Cosmochimica Acta, 2023, , .	3.9	0
8857	Accelerating I/O in Distributed Data Processing Systems with Apache Arrow CHFS. , 2023, , .		0
8858	Field-level Lyman-alpha forest modeling in redshift space via augmented nonlocal Fluctuating Gunn-Peterson Approximation. Astronomy and Astrophysics, 0, , .	5.1	0
8859	A new technique for the analysis of metabolic pathways of cytidine analogues and cytidine deaminase activities in cells. Scientific Reports, 2023, 13, .	3.3	0
8860	Ghostly Galaxies: Accretion-dominated Stellar Systems in Low-mass Dark Matter Halos. Astrophysical Journal, 2023, 958, 166.	4.5	0
8861	The Comprehensive Archive of Substellar and Planetary Accretion Rates. Astronomical Journal, 2023, 166, 262.	4.7	2
8862	The Blanco DECam Bulge Survey (BDBS). Astronomy and Astrophysics, 2024, 682, A96.	5.1	0
8863	Fuzzy dark matter dynamics and the quasi-particle hypothesis. Monthly Notices of the Royal Astronomical Society, 2023, 527, 6189-6197.	4.4	0
8864	Diagnostic clinical decision support based on deep learning and knowledge-based systems for psoriasis: From diagnosis to treatment options. Computers and Industrial Engineering, 2024, 187, 109754.	6.3	0
8867	Detecting Malicious Blockchain Attacks through Flower using Horizontal Federated Learning: An Investigation of Federated Approaches. , 2023, , .		0
8868	Grain-size measurements in protoplanetary disks indicate fragile pebbles and low turbulence. Astronomy and Astrophysics, 0, , .	5.1	1
8869	Evidence of 11-Hydroxy-hexahydrocannabinol and 11-Nor-9-carboxy-hexahydrocannabinol as Novel Human Metabolites of Î"9-Tetrahydrocannabinol. Metabolites, 2023, 13, 1169.	2.9	1
8870	The Tullyâ€"Fisher relation from SDSS-MaNGA: physical causes of scatter and variation at different radii. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7438-7458.	4.4	0
8871	The perspective of voids on rising cosmology tensions. Astronomy and Astrophysics, 0, , .	5.1	0
8872	Estimation of redshift and associated uncertainty of Fermi/LAT extragalactic sources with Deep Learning. Monthly Notices of the Royal Astronomical Society, 2023, 527, 6198-6210.	4.4	1
8873	Kepler Bonus: Light Curves of Kepler Background Sources. Astronomical Journal, 2023, 166, 265.	4.7	0

#	Article	IF	Citations
8874	Empirical Quantification of Predictive Uncertainty Due to Model Discrepancy by Training with an Ensemble of Experimental Designs: An Application to Ion Channel Kinetics. Bulletin of Mathematical Biology, 2024, 86, .	1.9	0
8875	Evaluation of HbA1c from CGM traces in an Indian population. Frontiers in Endocrinology, 0, 14, .	3.5	0
8876	p53 and p21 dynamics encode single-cell DNA damage levels, fine-tuning proliferation and shaping population heterogeneity. Communications Biology, 2023, 6, .	4.4	0
8877	Predicting environmental stressor levels with machine learning: a comparison between amplicon sequencing, metagenomics, and total RNA sequencing based on taxonomically assigned data. Frontiers in Microbiology, 0, 14, .	3.5	0
8878	Metalâ€"Organic Framework Membrane Constructor: A Tool for High-Throughput Construction of Metalâ€"Organic Framework Membrane Models. Journal of Chemical Information and Modeling, 2023, 63, 7476-7486.	5.4	0
8879	SN 2022joj: A Peculiar Type Ia Supernova Possibly Driven by an Asymmetric Helium-shell Double Detonation. Astrophysical Journal, 2023, 958, 178.	4.5	1
8880	Simulation study on the security of consensus algorithms in DAG-based distributed ledger. Frontiers of Computer Science, 2024, 18, .	2.4	1
8881	MBH binary intruders: triple systems from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7424-7437.	4.4	0
8882	Structural exploration of low-energy Lennardâ€"Jonesâ€"Gauss clusters with a genetic algorithm. European Physical Journal B, 2023, 96, .	1.5	0
8883	Mortality Prediction viaÂLogistic Regression inÂIntensive Care Unit Patients withÂPneumonia. Lecture Notes in Computer Science, 2024, , 30-44.	1.3	0
8884	Solid Solutions LnxU1âˆ'xC2 with Ln = Tb, Dy, Ho, Tm, and Lu Showing Ideal Vegard Behavior. Inorganics, 2023, 11, 457.	2.7	0
8885	ALMA Gas-dynamical Mass Measurement of the Supermassive Black Hole in the Red Nugget Relic Galaxy PGC 11179. Astrophysical Journal, 2023, 958, 186.	4.5	2
8886	The eROSITA Final Equatorial-Depth Survey (eFEDS): A machine learning approach to inferring galaxy cluster masses from eROSITA X-ray images. Astronomy and Astrophysics, 2024, 682, A132.	5.1	0
8887	An Interpretable Classification Model Using Gluten-Specific TCR Sequences Shows Diagnostic Potential in Coeliac Disease. Biomolecules, 2023, 13, 1707.	4.0	0
8888	Selecting a Machine Learning Algorithm for the Prediction of Hepatocellular Carcinoma with the Determination of Key Indicators. , 2023, , .		0
8889	Second-generation Fragments of a Comet Split in the Making: The Liller Family Comets. Research Notes of the AAS, 2023, 7, 249.	0.7	0
8890	pymfmâ€"A Python framework for microgrid flexibility management. Software Impacts, 2024, 19, 100603.	1.4	0
8891	The Third Fermi Large Area Telescope Catalog of Gamma-Ray Pulsars. Astrophysical Journal, 2023, 958, 191.	4.5	11

#	ARTICLE	IF	CITATIONS
8893	Application for Determining the Usability of Adapted Textbooks by People with Low Vision. , 2023, , .		0
8894	Data compression and inference in cosmology with self-supervised machine learning. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7459-7481.	4.4	1
8896	Evidence for Low-level Dynamical Excitation in Near-resonant Exoplanet Systems*. Astronomical Journal, 2023, 166, 266.	4.7	1
8897	Revisiting the I -Love- Q relations for superfluid neutron stars. Physical Review D, 2023, 108, .	4.7	0
8898	Multimode Quasinormal Spectrum from a Perturbed Black Hole. Physical Review Letters, 2023, 131, .	7.8	9
8900	Out-of-Distribution Data Generation for Fault Detection and Diagnosis in Industrial Systems. IEEE Access, 2023, 11, 135061-135073.	4.2	0
8901	A machine learning-enabled open biodata resource inventory from the scientific literature. PLoS ONE, 2023, 18, e0294812.	2.5	0
8902	Tailoring light-induced charge transfer and intersystem crossing in FeCO using time-dependent spinâ€"orbit configuration interaction. Journal of Chemical Physics, 2023, 159, .	3.0	1
8903	CodonU: A Python Package for Codon Usage Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2024, 21, 36-44.	3.0	0
8904	Linguistic-first approach to learning Python for natural language generation: Problem breakdown to pseudocode. AIP Conference Proceedings, 2023, , .	0.4	0
8905	Interactive Python Notebook Modules for Chemoinformatics in Medicinal Chemistry. Journal of Chemical Education, 2023, 100, 4895-4902.	2.3	0
8907	Halo formation from Yukawa forces in the very early Universe. Physical Review D, 2023, 108, .	4.7	4
8908	The Role of Passive Cloud Volumes in the Transition From Shallow to Deep Atmospheric Convection. Geophysical Research Letters, 2023, 50, .	4.0	0
8909	A Search for Pulsars around Sgr A* in the First Event Horizon Telescope Data Set. Astrophysical Journal, 2023, 959, 14.	4.5	1
8910	Unravelling the dust attenuation scaling relations and their evolution. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8911	Exponential history integration with diverse temporal scales in retrosplenial cortex supports hyperbolic behavior. Science Advances, 2023, 9, .	10.3	0
8912	Narrow absorption line Outflow in Seyfert 1 galaxy J1429+4518: Outflowâ€™s distance from the central source and its energetics. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8915	Assessment of inspiration and technical quality in anteroposterior thoracic radiographs using machine learning. Radiography, 2024, 30, 107-115.	2.1	1

#	Article	IF	Citations
8918	XUE: Molecular Inventory in the Inner Region of an Extremely Irradiated Protoplanetary Disk. Astrophysical Journal Letters, 2023, 958, L30.	8.3	0
8919	Emulation of the cosmic dawn 21-cm power spectrum and classification of excess radio models using an artificial neural network. Monthly Notices of the Royal Astronomical Society, 2023, 527, 9977-9998.	4.4	1
8920	A Hybrid Classical-Quantum HPC Workload. , 2023, , .		0
8921	Impact of model detail on daylighting metrics in residential buildings. Journal of Physics: Conference Series, 2023, 2600, 112010.	0.4	0
8922	An integrated data-driven approach to monitor and estimate plant-scale growth using UAV. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2024, 11, 100052.	3.1	0
8923	Exploring the Formation of Resistive Pseudodisks with the GPU Code Astaroth. Astrophysical Journal, 2023, 959, 32.	4.5	0
8924	The Near-Earth Object Surveyor Mission. Planetary Science Journal, 2023, 4, 224.	3.6	2
8925	Analysis ofÂElectrical Equipment atÂUNICAMP: Insights fromÂtheÂInventory Database. Lecture Notes in Computer Science, 2024, , 213-223.	1.3	0
8926	Machine learning methods for particle stress development in suspension Poiseuille flows. Rheologica Acta, 2023, 62, 507-534.	2.4	0
8927	DeepInsight: a CNN-based approach for machine reading comprehension in query answering systems and its applications. Multimedia Tools and Applications, 0, , .	3.9	0
8928	A novel hybrid time-series approach for IoT-cloud-enabled environment monitoring. Journal of Supercomputing, 0, , .	3.6	0
8929	The detection of polarized X-ray emission from the magnetar 1E 2259+586. Monthly Notices of the Royal Astronomical Society, 2023, 527, 12219-12231.	4.4	2
8932	Predictions for electromagnetic counterparts to Neutron Star mergers discovered during LIGO-Virgo-KAGRA observing runs 4 and 5. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
8933	Highly Potent and Lowâ€Volume Concentration Additives for Durable Aqueous Zinc Batteries: Machine Learningâ€Enabled Performance Rationalization. Advanced Materials, 2024, 36, .	21.0	0
8934	Aerosols are not Spherical Cows: Using Discrete Dipole Approximation to Model the Properties of Fractal Particles. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8936	GWTC-3: Compact Binary Coalescences Observed by LIGO and Virgo during the Second Part of the Third Observing Run. Physical Review X, 2023, 13, .	8.9	111
8938	A Systematic Survey of Moon-forming Giant Impacts. I. Nonrotating Bodies. Astrophysical Journal, 2023, 959, 38.	4.5	0
8939	The MEGARA view of outflows in LINERs. Astronomy and Astrophysics, 2024, 683, A43.	5.1	0

#	Article	IF	Citations
8940	Utilizing high‑resolution ribosome profiling for the global investigation of gene expression in <i>Chlamydomonas</i>. Plant Journal, 2024, 117, 1614-1634.	5.7	0
8941	Detecting stellar activity cycles in <i>p</i>-mode travel times. Astronomy and Astrophysics, 2024, 682, A142.	5.1	0
8942	DP-PQD: Privately Detecting Per-Query Gaps in Synthetic Data Generated by Black-Box Mechanisms. Proceedings of the VLDB Endowment, 2023, 17, 65-78.	3.8	1
8943	The SAMI Galaxy Survey: Î£SFR drives the presence of complex emission line profiles in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8944	The hydrostatic-to-lensing mass bias from resolved X-ray and optical-IR data. Astronomy and Astrophysics, 2024, 682, A147.	5.1	0
8945	Optimizing deep learning-based piled-up pulse height correction method for high radiation-field application. Journal of Instrumentation, 2023, 18, C12002.	1.2	0
8946	SERENADE: A Model for Human-in-the-loop Automatic Chord Estimation. , 2023, , .		0
8949	The cosmic dipole in the Quaia sample of quasars: a Bayesian analysis. Monthly Notices of the Royal Astronomical Society, 2023, 527, 8497-8510.	4.4	1
8950	Contact tracing of binary stars: Pathways to stellar mergers. Astronomy and Astrophysics, 2024, 682, A169.	5.1	0
8951	Glacial Meltwater in the Current System of Southern Greenland. Journal of Geophysical Research: Oceans, 2023, 128, .	2.6	0
8952	Sign reversal of the effective Hall coefficient in laminates. Physical Review B, 2023, 108, .	3.2	0
8953	MUSE observations of the optical nebula surrounding the central compact object in the Vela Junior supernova remnant. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
8954	A novel microstructure-informed machine learning framework for mechanical property evaluation of SiCf/Ti composites. Journal of Materials Research and Technology, 2024, 28, 420-433.	5.8	0
8955	The NEO Surveyor Near-Earth Asteroid Known Object Model. Planetary Science Journal, 2023, 4, 228.	3.6	1
8958	Validating Posteriors Obtained by an Emulator When Jointly Fitting Mock Data of the Global 21 cm Signal and High-z Galaxy UV Luminosity Function. Astrophysical Journal, 2023, 959, 49.	4.5	0
8959	Doubles Connected Moments Expansion: A Tractable Approximate Horn–Weinstein Approach for Quantum Chemistry. Journal of Chemical Theory and Computation, 0, , .	5.3	0
8960	Exploiting Locality in Full Configuration Interaction Quantum Monte Carlo for Fast Excitation Generation. Journal of Chemical Theory and Computation, 0, , .	5.3	0
8961	Turbulent convection in protoplanetary discs and its role in angular momentum transfer. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5843-5855.	4.4	0

#	ARTICLE	IF	CITATIONS
8962	Tracking active nests in solar-type pulsators: Ensemble starspot modelling of Kepler asteroseismic targets. Astronomy and Astrophysics, 0, , .	5.1	0
8963	The Metallicity and Distance of Leo A from Blue Supergiants. Astrophysical Journal, 2023, 959, 52.	4.5	1
8964	A database application framework toward data-driven vertical connectivity analysis of rivers. Environmental Modelling and Software, 2024, 172, 105916.	4.5	0
8965	The Breakthrough Listen Search for Intelligent Life: Technosignature Search of 97 Nearby Galaxies. Astronomical Journal, 2024, 167, 10.	4.7	1
8966	Is there a need to re-define the methods to evaluate wine color. BIO Web of Conferences, 2023, 68, 02008.	0.2	0
8967	The Hawaii Infrared Parallax Program. VI. The Fundamental Properties of 1000+ Ultracool Dwarfs and Planetary-mass Objects Using Optical to Mid-infrared Spectral Energy Distributions and Comparison to BT-Settl and ATMO 2020 Model Atmospheres. Astrophysical Journal, 2023, 959, 63.	4.5	3
8968	SPLUS J142445.34â€"254247.1: An r-processâ€"enhanced, Actinide-boost, Extremely Metal-poor Star Observed with GHOST. Astrophysical Journal, 2023, 959, 60.	4.5	3
8969	Sign Language Identification using Skeletal Point-based Spatio-Temporal Recurrent Neural Network. , 2023, , .		0
8970	Fully automatic system to detect and segment the proximal femur in pelvic radiographic images for Leggâ€"CalvÃ©â€"Perthes disease. Journal of Orthopaedic Research, 0, , .	2.3	0
8971	Posterior predictive checking for gravitational-wave detection with pulsar timing arrays. II. Posterior predictive distributions and pseudo-Bayes factors. Physical Review D, 2023, 108, .	4.7	1
8972	Energy Consumption Analysis from Main Parameters: A Dataset in the Brazilian Scenario. Springer Proceedings in Earth and Environmental Sciences, 2023, , 121-133.	0.4	0
8973	Binary Black Hole Spins: Model Selection with GWTC-3. Universe, 2023, 9, 507.	2.5	0
8976	KAgoshima Galactic Object survey with Nobeyama 45Âm telescope by Mapping in Ammonia lines (KAGONMA): Discovery of parsec-scale CO depletion in the Canis Major star-forming region. Publication of the Astronomical Society of Japan, 2024, 76, 65-80.	2.5	0
8977	Equivalent Near-Field Corner Frequency Analysis of 3D Dynamic Rupture Simulations Reveals Dynamic Source Effects. Seismological Research Letters, 2024, 95, 900-924.	1.9	0
8979	Dark-ages reionization and galaxy formation simulation â€" XXI. Constraining the evolution of the ionizing escape fraction. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7924-7939.	4.4	1
8980	Detecting High-Dimensional Entanglement in Cold-Atom Quantum Simulators. PRX Quantum, 2023, 4, .	9.2	1
8981	Exploration and Retrieval of Virus-Related Molecular Data Using ExTaxsI: The Monkeypox Use Case. Methods in Molecular Biology, 2024, , 145-154.	0.9	0
8982	Probabilistic Compute-in-Memory Design for Efficient Markov Chain Monte Carlo Sampling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2023, , 1-14.	5.4	0

#	Article	IF	Citations
8983	The Luminosity Phase Space of Galactic and Extragalactic X-Ray Transients Out to Intermediate Redshifts. Astrophysical Journal, 2023, 959, 75.	4.5	1
8984	A Green Fingerprint of Antarctica: Drones, Hyperspectral Imaging, and Machine Learning for Moss and Lichen Classification. Remote Sensing, 2023, 15, 5658.	4.0	1
8986	NOEMA reveals the true nature of luminous red JWST z>10 galaxy candidates. Astronomy and Astrophysics, 0, , .	5.1	0
8987	Influenza activity and regional mortality for non-small cell lung cancer. Scientific Reports, 2023, 13, .	3.3	1
8988	Impact of a mean field dynamo on neutron star mergers leading to magnetar remnants. Physical Review D, 2023, 108, .	4.7	2
8989	Cortical time-course of evidence accumulation during semantic processing. Communications Biology, 2023, 6, .	4.4	0
8990	Robotic Process Automation (RPA) using a heuristic method and the effective resistance of a graph. Procedia Computer Science, 2023, 225, 3388-3394.	2.0	0
8991	A tridimensional atlas of the developing human head. Cell, 2023, 186, 5910-5924.e17.	28.9	0
8993	Biophysical characterization of the <i>Plasmodium falciparum</i> circumsporozoite protein's Nâ€terminal domain. Protein Science, 2024, 33, .	7.6	0
8995	Automated Heart Murmur Detection using Sound Processing Techniques. Procedia Computer Science, 2023, 225, 2961-2970.	2.0	0
8996	Physics-enhanced neural networks for equation-of-state calculations. Machine Learning: Science and Technology, 0, , .	5.0	0
8998	Beyond scale-free networks: integrating multilayer social networks with molecular clusters in the local spread of COVID-19. Scientific Reports, 2023, 13, .	3.3	0
8999	A method to improve the prediction performance of cancer-gene association by screening negative training samples through gene network data. Computational Biology and Chemistry, 2024, 108, 107997.	2.3	0
9002	Near-infrared transmission spectroscopy of HAT-P-18â€‰b with NIRISS: Disentangling planetary and stellar features in the era of <i>JWST</i>. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3354-3377.	4.4	2
9003	UV lamp spectral effects on the aging behavior of encapsulants for photovoltaic modules. Solar Energy Materials and Solar Cells, 2024, 266, 112674.	6.2	1
9004	Eat, sleep, code, repeat: tips for early-career researchers in computational science. European Physical Journal Plus, 2023, 138, .	2.6	0
9005	Modelling molecular clouds and CO excitation in AGN-host galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9006	Surviving the heat: multi-wavelength analysis of V883 Ori reveals that dust aggregates survive the sublimation of their ice mantles. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0

#	Article	IF	Citations
9007	Heterogeneous domain adaptation and equipment matching: DANN-based Alignment with Cyclic Supervision (DBACS). Computers and Industrial Engineering, 2024, 187, 109821.	6.3	0
9008	Kinematic signatures of planetâ€"disk interactions in vertical shear instability-turbulent protoplanetary disks. Astronomy and Astrophysics, 2024, 683, A16.	5.1	0
9009	Evidence of a Cloudâ€"Cloud Collision from Overshooting Gas in the Galactic Center. Astrophysical Journal, 2023, 959, 93.	4.5	0
9010	Double Trouble: Two Transits of the Super-Earth GJ 1132 b Observed with JWST NIRSpec G395H. Astrophysical Journal Letters, 2023, 959, L9.	8.3	2
9011	Physical limits to membrane curvature sensing by a single protein. Physical Review E, 2023, 108, .	2.1	1
9012	Transport and inhibition mechanisms of human VMAT2. Nature, 2024, 626, 427-434.	27.8	4
9013	SN 2023emq: A Flash-ionized Ibn Supernova with Possible C iii Emission. Astrophysical Journal Letters, 2023, 959, L10.	8.3	1
9014	Insights from super-metal-rich stars: Is the Milky Way bar young?. Astronomy and Astrophysics, 0, , .	5.1	1
9015	pudu: A Python library for agnostic feature selection and explainability of Machine Learning spectroscopic problems. Journal of Open Source Software, 2023, 8, 5873.	4.6	0
9016	Hyperspectral Facies Analysis as a Lithological Interpretation Tool for Carbonate Rocks. Geosciences (Switzerland), 2023, 13, 381.	2.2	0
9017	Passive Assessment of Geophysical Instruments Performance using Electrical Network Frequency Analysis. , 2023, 2, .		0
9020	PD-L1 overexpression induces STAT signaling and promotes the secretion of pro-angiogenic cytokines in non-small cell lung cancer (NSCLC). Lung Cancer, 2024, 187, 107438.	2.0	2
9021	Visualizing a two-state conformational ensemble in stemâ€"loop 3 of the transcriptional regulator 7SK RNA. Nucleic Acids Research, 0, , .	14.5	0
9022	High-sensitivity Beamformed Observations of the Crab Pulsar's Radio Emission. Astrophysical Journal, 2023, 959, 111.	4.5	0
9024	Effect of Molecular Dynamics and Internal Water Contact on the Photophysical Properties of Red pH-Sensitive Proteins. Biochemistry, 0, , .	2.5	0
9025	Extreme Birkeland Currents Are More Likely During Geomagnetic Storms on the Dayside of the Earth. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	0
9026	Variation of Electron Lifetime Due To Scattering by Electrostatic Electron Cyclotron Harmonic Waves in the Inner Magnetosphere With Electron Distribution Parameters. Journal of Geophysical Research: Space Physics, 2023, 128, .	2.4	0
9027	Cell-type-directed design of synthetic enhancers. Nature, 2024, 626, 212-220.	27.8	5

#	Article	IF	Citations
9028	Physical Properties of 5000 Cool Large Magellanic Cloud Supergiants with Gaia XP Spectra: A Detailed Portrait of the Upper H-R Diagram Hints at Missing Supernova Progenitors. Astrophysical Journal, 2023, 959, 102.	4.5	0
9029	Development of core design optimization process by integrated analysis with neutronics and plant dynamics. Mechanical Engineering Journal, 2023, , .	0.4	0
9031	Explaining the Chemical Inventory of Orion KL through Machine Learning. Astrophysical Journal, 2023, 959, 108.	4.5	0
9032	Augmenting the power of time-delay cosmography in lens galaxy clusters by probing their member galaxies. Astronomy and Astrophysics, 2023, 680, L9.	5.1	1
9033	Modified gravity and massive neutrinos: constraints from the full shape analysis of BOSS galaxies and forecasts for Stage IV surveys. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 025.	5.4	1
9035	The Dynamics of OXA-23 Î²-Lactamase from Acinetobacter baumannii. International Journal of Molecular Sciences, 2023, 24, 17527.	4.1	1
9036	Accessible gene borders establish a core structural unit for chromatin architecture in <i>Arabidopsis</i>. Nucleic Acids Research, 2023, 51, 10261-10277.	14.5	2
9037	PACT - Prediction of amyloid cross-interaction by threading. Scientific Reports, 2023, 13, .	3.3	0
9038	ViCMA: Visual Control of Multibody Animations. , 2023, , .		0
9039	SRAI. , 2023, , .		0
9040	3D Reconstruction fromÂ2D Cerebral Angiograms asÂaÂVolumetric Denoising Problem. Lecture Notes in Computer Science, 2023, , 382-393.	1.3	0
9041	ALMA 400 pc Imaging of a z = 6.5 Massive Warped Disk Galaxy. Astrophysical Journal, 2023, 958, 132.	4.5	0
9042	Molecular Hessian matrices from a machine learning random forest regression algorithm. Journal of Chemical Physics, 2023, 159, .	3.0	0
9043	Targeted V1 comodulation supports task-adaptive sensory decisions. Nature Communications, 2023, 14, .	12.8	1
9044	Gapâ€Filled Multivariate Observations of Global Landâ€"Climate Interactions. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	1
9045	Highly Accurate Electronic Structure of Metallic Solids from Coupled-Cluster Theory with Nonperturbative Triple Excitations. Physical Review Letters, 2023, 131, .	7.8	2
9046	Modeling the High-energy Ionizing Output from Simple Stellar and X-Ray Binary Populations. Astrophysical Journal, 2024, 960, 13.	4.5	0
9047	Coevolution and Nuclear Structure in the Dwarf Galaxy POX 52 Studied by Multiwavelength Data from Radio to X-Ray. Astrophysical Journal, 2024, 960, 15.	4.5	0

#	Article	IF	Citations
9048	A Comprehensive Investigation of Metals in the Circumgalactic Medium of Nearby Dwarf Galaxies. Astrophysical Journal, 2024, 960, 55.	4.5	1
9049	When and How Ram Pressure Stripping in Low-mass Satellite Galaxies Enhances Star Formation. Astrophysical Journal, 2024, 960, 54.	4.5	4
9050	Open access repository-scale propagated nearest neighbor suspect spectral library for untargeted metabolomics. Nature Communications, 2023, 14, .	12.8	3
9051	Validation of a deep learning algorithm for bone age estimation among patients in the city of São Paulo, Brazil. Radiologia Brasileira, 2023, 56, 263-268.	0.7	0
9052	Validação de algoritmo de aprendizado profundo para detecção da idade óssea em pacientes de São Paulo, Brasil. Radiologia Brasileira, 2023, 56, 263-268.	0.7	0
9053	Impact of Commission on Cancer Accreditation on Cancer Survival: A Surveillance, Epidemiology, and End Results (SEER) Database Analysis. Annals of Surgical Oncology, 2024, 31, 2286-2294.	1.5	2
9054	Effects of onset of phase transition on binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9055	Electrochemical nucleation and the role of the surface state: unraveling activity distributions with a cross-system examination and a local electrochemistry approach. Journal of Solid State Electrochemistry, 0, , .	2.5	0
9056	Neonatal Achilles Tendon Microstructure is Negatively Impacted by Decorin and Biglycan Knockdown After Injury and During Development. Annals of Biomedical Engineering, 2024, 52, 657-670.	2.5	0
9057	Automated staging of zebrafish embryos with deep learning. Life Science Alliance, 2024, 7, e202302351.	2.8	1
9059	Subtractor-Based CNN Inference Accelerator. , 2023, , .		0
9061	PlatoSim: An end-to-end PLATO camera simulator for modelling high-precision space-based photometry. Astronomy and Astrophysics, 0, , .	5.1	0
9062	Patterns in the Sequential Treatment of Patients With Rheumatoid Arthritis Starting a Biologic or Targeted Synthetic <scp>Disease‐Modifying</scp> Antirheumatic Drug: <scp>10‐Year</scp> Experience From a <scp>US‐Based</scp> Registry. ACR Open Rheumatology, 2024, 6, 5-13.	2.1	0
9063	Device Scheduling and Bandwidth Allocation for Federated Learning over Wireless Networks. , 2023, , .		0
9064	Evaluating Machine Learning Models for Age Group Classification Through Human Gait. , 2023, , .		0
9065	Unrestricted Chiral Patterning by Laser Writing in Liquid Crystalline and Plasmonic Nanocomposite Thin Films. Advanced Materials, 0, , .	21.0	0
9066	Distinct distributions of elliptical and disk galaxies across the Local Supercluster as a ΛCDM prediction. Nature Astronomy, 2024, 8, 247-255.	10.1	0
9067	The Impact of Angular Momentum Loss on the Outcomes of Binary Mass Transfer. Astrophysical Journal, 2023, 958, 138.	4.5	0

#	Article	IF	Citations
9068	Harmonizing and aligning M/EEG datasets with covariance-based techniques to enhance predictive regression modeling. , 2023, 1, 1-23.		0
9069	Tomographic Reconstruction of the Solar K-Corona Using Neural Fields. Solar Physics, 2023, 298, .	2.5	0
9070	Machine-guided discovery of a real-world rogue wave model. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1
9072	Abstraqt: Analysis of Quantum Circuits via Abstract Stabilizer Simulation. Quantum - the Open Journal for Quantum Science, 0, 7, 1185.	0.0	0
9073	Real-time counting of wheezing events from lung sounds using deep learning algorithms: Implications for disease prediction and early intervention. PLoS ONE, 2023, 18, e0294447.	2.5	0
9074	Unraveling the Complex Structure of AGN-driven Outflows. VI. Strong Ionized Outflows in Type 1 AGNs and the Outflow Size–Luminosity Relation. Astrophysical Journal, 2023, 958, 145.	4.5	0
9075	The Discovery of 63 Giant Radio Galaxies in the FIRST Survey. Research Notes of the AAS, 2023, 7, 243.	0.7	0
9076	An archival search for type Ia supernova siblings. Monthly Notices of the Royal Astronomical Society, 2023, 527, 8015-8028.	4.4	0
9077	QPulseLib: Accelerating the Pulse Generation of Quantum Circuit with Reusable Patterns. , 2023, , .		0
9078	Feature-based clustering of the left ventricular strain curve for cardiovascular risk stratification in the general population. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	0
9080	Guideline-informed reinforcement learning for mechanical ventilation in critical care. Artificial Intelligence in Medicine, 2024, 147, 102742.	6.5	0
9081	Validation of the Survey Simulator Tool for the NEO Surveyor Mission Using NEOWISE Data. Planetary Science Journal, 2023, 4, 225.	3.6	2
9082	Any-Radix Efficient Fully-Parallel Implementation of the Fast Fourier Transform on FPGAs. , 2023, , .		0
9083	The Nanoscale Ordering of Cellulose in a Hierarchically Structured Hybrid Material Revealed Using Scanning Electron Diffraction. Small Methods, 0, , .	8.6	0
9084	Computationally Efficient Numerical Algorithm for Optimum Cavitating Propeller Selection. , 2023, , .		0
9085	AI-Assisted Investigation of on-Chain Parameters: Risky Cryptocurrencies and Price Factors. , 2023, , .		0
9086	Expanding the list of sequence-agnostic enzymes for chromatin conformation capture assays with S1 nuclease. Epigenetics and Chromatin, 2023, 16, .	3.9	1
9087	Classification of fall risk across the lifespan using gait derived features from a wearable device. , 2023, , .		0

#	Article	IF	Citations
9088	PopSED: Population-level Inference for Galaxy Properties from Broadband Photometry with Neural Density Estimation. Astronomical Journal, 2024, 167, 16.	4.7	1
9089	A robust simulator of pressure-dependent consumption in Python. Journal of Hydroinformatics, 0, , .	2.4	0
9090	MusE GAs FLOw and Wind (MEGAFLOW) X. The cool gas and covering fraction of Mgâ€‰<scp>ii</scp> in galaxy groups. Monthly Notices of the Royal Astronomical Society, 2024, 528, 481-498.	4.4	1
9091	200â€‰000 candidate very metal-poor stars in <i>Gaia</i> DR3 XP spectra. Monthly Notices of the Royal Astronomical Society, 2023, 527, 10937-10954.	4.4	2
9092	Vinorelbine Alters lncRNA Expression in Association with EGFR Mutational Status and Potentiates Tumor Progression Depending on NSCLC Cell Linesâ€™ Genetic Profile. Biomedicines, 2023, 11, 3298.	3.2	0
9093	Evidence for Low-power Radio Jetâ€“ISM Interaction at 10 pc in the Dwarf AGN Host NGC 4395. Astrophysical Journal, 2023, 959, 116.	4.5	1
9094	Many but not all deep neural network audio models capture brain responses and exhibit correspondence between model stages and brain regions. PLoS Biology, 2023, 21, e3002366.	5.6	0
9095	Machine Learning Models for Predicting Stroke Mortality in Malaysia: An Application and Comparative Analysis. Cureus, 2023, , .	0.5	0
9096	Predicting interlocking malfunctions for the railway network in Germany. Transportation Research Procedia, 2023, 72, 3481-3488.	1.5	0
9097	Hemispherical power asymmetry in intensity and polarization for Planck PR4 data. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 029.	5.4	1
9098	Dust Coagulation Reconciles Protoplanetary Disk Observations with the Vertical Shear Instability. I. Dust Coagulation and the VSI Dead Zone. Astrophysical Journal, 2023, 959, 121.	4.5	3
9099	Tumor growth inhibition modeling in patients with second line biliary tract cancer and first line nonâ€‘small cell lung cancer based on bintrafusp alfa trials. CPT: Pharmacometrics and Systems Pharmacology, 0, , .	2.5	0
9100	An energy costly architecture of neuromodulators for human brain evolution and cognition. Science Advances, 2023, 9, .	10.3	4
9101	Reducing circuit depth with qubitwise diagonalization. Physical Review A, 2023, 108, .	2.5	0
9102	Planning and Control for a Dynamic Morphing-Wing UAV Using a Vortex Particle Model. , 2023, , .		0
9103	Study on the Selection of Optimal Operation Position Using AI Techniques. Journal of the Korean Society of Marine Environment and Safety, 2023, 29, 681-687.	0.3	0
9104	Optical and Near-infrared Observations of the Distant but Bright â€œNew Yearâ€™s Burstâ€•GRB 220101A. Astrophysical Journal, 2023, 959, 118.	4.5	0
9105	Coincidence detection and integration behaviorÂin spiking neural networks. Cognitive Neurodynamics, 0, , .	4.0	0

#	Article	IF	Citations
9106	Real-Time Failure-Adaptive Control for Dynamic Robots. , 2023, , .		0
9107	lys: interactive multi-dimensional data analysis and visualization platform. Journal of Open Source Software, 2023, 8, 5869.	4.6	0
9108	An open-source toolbox to automate basin and petroleum system modeling for statistical analysis and uncertainty quantification. , 2023, , .		0
9109	Postsynaptic cell type and synaptic distance do not determine efficiency of monosynaptic rabies virus spread measured at synaptic resolution. ELife, 0, 12, .	6.0	0
9110	Linking UV spectral properties of MUSE LyÎ± emitters at <i>z</i> â‰³ 3 to Lyman continuum escape. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9112	Gravitational form factors of the pion from lattice QCD. Physical Review D, 2023, 108, .	4.7	3
9113	A simplified calculation for adaptive coefficients of finite-difference frequency-domain method. Applied Geophysics, 0, , .	0.6	0
9114	BubbleDet: a Python package to compute functional determinants for bubble nucleation. Journal of High Energy Physics, 2023, 2023, .	4.7	2
9115	Dust Properties of Comets Observed by Spitzer. Planetary Science Journal, 2023, 4, 242.	3.6	0
9116	Health Risk Appraisal of Trace Elements in Groundwater in an Urban Area: A Case Study of Sichuan Basin, Southwest China. Water (Switzerland), 2023, 15, 4286.	2.7	0
9117	Detecting Web Application DAST Attacks with Machine Learning. , 2023, , .		0
9118	Laying the foundation of the effective-one-body waveform models SEOBNRv5: Improved accuracy and efficiency for spinning nonprecessing binary black holes. Physical Review D, 2023, 108, .	4.7	7
9119	Constraining the gas mass of Herbig disks using CO isotopologues. Astronomy and Astrophysics, 2024, 682, A149.	5.1	0
9120	A comparison of constant false alarm rate object detection algorithms for iceberg identification in L- and C-band SAR imagery of the Labrador Sea. Cryosphere, 2023, 17, 5335-5355.	3.9	1
9121	PauliComposer: compute tensor products of Pauli matrices efficiently. Quantum Information Processing, 2023, 22, .	2.2	2
9122	Mechanisms of reduced myocardial energetics of the dystrophic heart.. American Journal of Physiology - Heart and Circulatory Physiology, 0, , .	3.2	0
9123	HNN-core: A Python software for cellular and circuit-level interpretation of human MEG/EEG. Journal of Open Source Software, 2023, 8, 5848.	4.6	0
9124	Data Mining for Smart Cities: Traffic Congestion Prediction. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
9125	Linking Circumstellar Disk Lifetimes to the Rotational Evolution of Low-mass Stars. Astrophysical Journal, 2023, 959, 140.	4.5	0
9126	Collins-Soper kernel from lattice QCD at the physical pion mass. Physical Review D, 2023, 108, .	4.7	2
9127	Cover crop cultivars and species differ in root traits potentially impacting their selection for ecosystem services. Plant and Soil, 0, , .	3.7	1
9128	Historical Shifts in Seasonality and Timing of Extreme Precipitation. Geophysical Research Letters, 2023, 50, .	4.0	0
9130	Machine learning-driven approach to quantify the beach susceptibility to storm-induced erosion. Coastal Engineering Journal, 0, , 1-18.	1.9	0
9131	Glitch systematics on the observation of massive black-hole binaries with LISA. Physical Review D, 2023, 108, .	4.7	0
9132	Functional and pharmacological analyses of visual habituation learning in larval zebrafish. ELife, 0, 12, .	6.0	0
9133	Lattice quantum chromodynamics at large isospin density. Physical Review D, 2023, 108, .	4.7	2
9134	Reproducible and fully automated testing of nocifensive behavior in mice. Cell Reports Methods, 2023, 3, 100650.	2.9	2
9135	libEnsemble: A complete Python toolkit for dynamic ensembles of calculations. Journal of Open Source Software, 2023, 8, 6031.	4.6	0
9136	Observing Planetesimal Formation under Streaming Instability in the Rings of HD 163296. Astrophysical Journal Letters, 2023, 959, L15.	8.3	1
9137	Red Giant Rotational Inversion Kernels Need Nonlinear Surface Corrections. Astrophysical Journal, 2024, 960, 2.	4.5	0
9138	Vulnerability assessment of heat waves within a risk framework using artificial intelligence. Science of the Total Environment, 2024, 912, 169355.	8.0	0
9139	Precision tracking of massive black hole spin evolution with LISA. Physical Review D, 2023, 108, .	4.7	1
9140	Diagnostic diagrams for ram-pressure stripped candidates. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9141	<scp>Block2</scp>: A comprehensive open source framework to develop and apply state-of-the-art DMRG algorithms in electronic structure and beyond. Journal of Chemical Physics, 2023, 159, .	3.0	7
9144	Davos: A Python package â€œsmugglerâ€•for constructing lightweight reproducible notebooks. SoftwareX, 2024, 25, 101614.	2.6	0
9145	Not All Subhaloes Are Created Equal: Modelling the Diversity of Subhalo Density Profiles in TNG50. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1

#	Article	IF	Citations
9148	<tt>DEATHSTAR</tt>: a system for confirming planets and identifying false-positive signals in <i>TESS</i> data using ground-based time-domain surveys. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5160-5177.	4.4	1
9149	Strong Carbon Features and a Red Early Color in the Underluminous Type Ia SN 2022xkq. Astrophysical Journal, 2024, 960, 29.	4.5	0
9150	Semantic part segmentation of spatial features via geometric deep learning for automated control cabinet assembly. Journal of Intelligent Manufacturing, 0, , .	7.3	1
9151	A Differentiable Perturbation-based Weak Lensing Shear Estimator. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9152	Evidence for a dynamic corona in the short-term time lags of black hole X-ray binary MAXI J1820+070. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9154	Prospects for Low-Resolution NDIR Sensors to Discern Ignition Properties of Fuels. Journal of Engineering for Gas Turbines and Power, 2024, 146, .	1.1	0
9156	Precise tilt measurement by seafloor borehole tiltmeters at the Nankai Trough subduction zone. Earth, Planets and Space, 2023, 75, .	2.5	0
9157	A Primordial Origin for the Gas-rich Debris Disks around Intermediate-mass Stars. Astrophysical Journal Letters, 2023, 959, L28.	8.3	1
9158	A climate data record of year-round global sea-ice drift from the EUMETSAT Ocean and Sea Ice Satellite Application Facility (OSI SAF). Earth System Science Data, 2023, 15, 5807-5834.	9.9	0
9159	Hotspot propensity across mutational processes. Molecular Systems Biology, 2024, 20, 6-27.	7.2	0
9160	Modeling of the coefficient of thermal expansion of 3D-printed composites. International Journal of Mechanical Sciences, 2023, , 108921.	6.7	1
9161	ICAROGW: A python package for inference of astrophysical population properties of noisy, heterogeneous, and incomplete observations. Astronomy and Astrophysics, 2024, 682, A167.	5.1	2
9162	Towards automated recommendations for drunk driving penalties in Poland - a case study analysis in selected court. Foundations of Computing and Decision Sciences, 2023, 48, 425-451.	1.2	0
9163	PS4: a next-generation dataset for protein single-sequence secondary structure prediction. BioTechniques, 2024, 76, 63-70.	1.8	0
9164	Size Matters: A Computational Study of Hydrogen Absorption in Ionic Liquids. Journal of Chemical Information and Modeling, 0, , .	5.4	0
9165	Intermittent Search, Not Strict LÃ©vy Flight, Evolves under Relaxed Foraging Distribution Constraints. American Naturalist, 0, , 000-000.	2.1	0
9166	An Empirical Analysis of Rebalancing Methods for Security Issue Report Identification. , 2023, , .		0
9167	Optimizing Autonomous Vehicle Sensor Setups: A Framework for Coverage Analysis. , 2023, , .		0

#	Article	IF	Citations
9168	Structural Outlier Detection and Zernike–Canterakis Moments for Molecular Surface Meshes—Fast Implementation in Python. Molecules, 2024, 29, 52.	3.8	0
9169	Performance evaluate of different chemometrics formalisms used for prostate cancer diagnosis by NMR-based metabolomics. Metabolomics, 2024, 20, .	3.0	0
9170	INCHEM-Py v1.2: a community box model for indoor air chemistry. Geoscientific Model Development, 2023, 16, 7411-7431.	3.6	1
9171	A large population of strongly lensed faint submillimetre galaxies in future dark energy surveys inferred from <i>JWST</i> imaging. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9172	Applying atomistic neural networks to bias conformer ensembles towards bioactive-like conformations. Journal of Cheminformatics, 2023, 15, .	6.1	0
9173	SPLENDAQ: A Detector-Agnostic Data Acquisition System for Small-Scale Physics Experiments. Journal of Low Temperature Physics, 2024, 214, 133-142.	1.4	1
9174	Forecasting 24‰h averaged PM$_{2.5}$ concentration in the Aburrá Valley using tree-based machine learning models, global forecasts, and satellite information. Advances in Statistical Climatology, Meteorology and Oceanography, 2023, 9, 121-135.	0.9	0
9175	Generating Low Cost and High Throughput Candidate Routes for Evaluation in Route Selection for Hybrid Peptide Synthesis—A Mathematical Optimization Approach. Organic Process Research and Development, 0, , .	2.7	0
9176	Living with a Red Dwarf: X-Ray, UV, and Ca ii Activity–Age Relationships of M Dwarfs. Astrophysical Journal, 2024, 960, 62.	4.5	0
9177	Searching for massive black hole binaries with a transfer learning algorithm. Physical Review D, 2023, 108, .	4.7	0
9178	BIRD: A Lightweight and Adaptive Compressor for Communication-Efficient Distributed Learning Using Tensor-wise Bi-Random Sampling. , 2023, , .		0
9179	Model parameter influence on probabilistic flood risk analysis. International Journal of Disaster Risk Reduction, 2024, 100, 104215.	3.9	0
9180	First Chromospheric Activity and Doppler Imaging Study of PW And Using a New Doppler Imaging Code: SpotDIPy. Astrophysical Journal, 2024, 960, 60.	4.5	0
9181	FlexKnot and Gaussian Process for 21Âcm global signal analysis and foreground separation. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9183	pvlib python: 2023 project update. Journal of Open Source Software, 2023, 8, 5994.	4.6	0
9184	Solving the Traveling Telescope Problem with Mixed-integer Linear Programming. Astronomical Journal, 2024, 167, 33.	4.7	1
9185	BrainPy, a flexible, integrative, efficient, and extensible framework for general-purpose brain dynamics programming. ELife, 0, 12, .	6.0	3
9186	Van Vleck analysis of angularly distorted octahedra using <i>VanVleckCalculator</i>. Journal of Applied Crystallography, 2024, 57, 20-33.	4.5	1

#	Article	IF	Citations
9187	The dispersion measure contributions of the cosmic web. Astronomy and Astrophysics, 2024, 683, A71.	5.1	0
9188	BERT-Based Neural Network for Inpatient Fall Detection from Electronic Medical Records: A Retrospective Cohort Study (Preprint). JMIR Medical Informatics, 0, , .	2.6	0
9189	PyPartMC: A Pythonic interface to a particle-resolved, Monte Carlo aerosol simulation framework. SoftwareX, 2024, 25, 101613.	2.6	0
9192	Strong 21-cm fluctuations and anisotropy due to the line-of-sight effect of radio galaxies at cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2023, 527, 10975-10985.	4.4	2
9193	Resolution criteria to avoid artificial clumping in Lagrangian hydrodynamic simulations with a multi-phase interstellar medium. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9197	Exploration of faint X-ray and radio sources in the massive globular cluster M14: A UV-bright counterpart to Nova Ophiuchus 1938. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9198	OGHReS: star formation in the outer galaxy (ℓ= 250°–280°). Monthly Notices of the Royal Astronomical Society, 2024, 528, 4746-4759.	4.4	0
9199	Variational Bayesian experimental design for geophysical applications: seismic source location, amplitude versus offset inversion, and estimating CO2 saturations in a subsurface reservoir. Geophysical Journal International, 2024, 236, 1309-1331.	2.4	1
9200	Padding Aware Neurons. , 2023, , .		0
9201	Vision-based Monitoring of the Short-term Dynamic Behaviour of Plants for Automated Phenotyping. , 2023, , .		0
9202	UQTestFuns: A Python3 library of uncertainty quantification (UQ) test functions. Journal of Open Source Software, 2023, 8, 5671.	4.6	0
9203	Improved Gene Expression Classification Through Multi-class Support Vector Machines Feature Selection. Communications in Computer and Information Science, 2024, , 119-130.	0.5	0
9204	KIC 9028474: A Long-period Eclipsing Binary on a Highly Eccentric Orbit. Astronomical Journal, 2023, 166, 215.	4.7	0
9205	The SN 2023ixf Progenitor in M101. I. Infrared Variability. Astrophysical Journal, 2023, 957, 64.	4.5	7
9206	A systematic search for double eclipsing binaries in Zwicky Transient Facility data. Astronomy and Astrophysics, 2024, 682, A164.	5.1	0
9207	Machine learning identifies right index finger tenderness as key signal of DAS28-CRP based psoriatic arthritis activity. Scientific Reports, 2023, 13, .	3.3	0
9208	Planet-driven scatterings of planetesimals into a star: Probability, timescale and applications. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
9210	Deep Learning Prediction Boosts Phosphoproteomics-Based Discoveries Through Improved Phosphopeptide Identification. Molecular and Cellular Proteomics, 2024, 23, 100707.	3.8	0

#	Article	IF	Citations
9211	LATIS: The Stellar Mass–Metallicity Relation of Star-forming Galaxies at z â‹¼ 2.5. Astrophysical Journal, 2024, 960, 73.	4.5	1
9212	Initial Chemotherapy for Locally Advanced and Metastatic NUT Carcinoma. Journal of Thoracic Oncology, 2023, , .	1.1	1
9213	Effects of Inoculation with Plant Growth-Promoting Rhizobacteria on Chemical Composition of the Substrate and Nutrient Content in Strawberry Plants Growing in Different Water Conditions. Agriculture (Switzerland), 2024, 14, 46.	3.1	0
9214	PyRates—A code-generation tool for modeling dynamical systems in biology and beyond. PLoS Computational Biology, 2023, 19, e1011761.	3.2	1
9215	Automatic Code Generation for High-Performance Graph Algorithms. , 2023, , .		0
9217	Modeling large‐scale bioreactors with diffusion equations. Part I: Predicting axial dispersion coefficient and mixing times. Biotechnology and Bioengineering, 2024, 121, 1060-1075.	3.3	1
9218	The UNCOVER Survey: A First-look HST+JWST Catalog of Galaxy Redshifts and Stellar Population Properties Spanning 0.2 ≲ z ≲ 15. Astrophysical Journal, Supplement Series, 2024, 270, 12.	7.7	5
9219	What Holes in the Gas Distribution of Nearly Face-on Galaxies Can Tell Us about the Host Disk Parameters: The Case of the NGC 628 Southeast Superbubble. Astrophysical Journal, 2024, 960, 81.	4.5	0
9220	Selecting, optimizing and externally validating a preexisting machine-learning regression algorithm for estimating waist circumference. Computers in Biology and Medicine, 2024, 169, 107909.	7.0	0
9221	Transient Corotating Clumps around Adolescent Low-mass Stars from Four Years of TESS. Astronomical Journal, 2024, 167, 38.	4.7	0
9223	Advantages of unsupervised learning analysis methods in single-trace SCA attacks. Microprocessors and Microsystems, 2024, 105, 104994.	2.8	0
9224	Coupled local residual shear and compressive strain in NaNbO3 ceramics under cooling. Acta Materialia, 2024, 266, 119640.	7.9	0
9225	Modeling large‐scale bioreactors with diffusion equations. Part II: Characterizing substrate, oxygen, temperature, carbon dioxide, and pH profiles. Biotechnology and Bioengineering, 2024, 121, 1102-1117.	3.3	1
9226	Supervised machine learning model to predict mortality in patients undergoing venovenous extracorporeal membrane oxygenation from a nationwide multicentre registry. BMJ Open Respiratory Research, 2023, 10, e002025.	3.0	0
9228	Towards a More Extensible Machine Learning Demonstration Tool. , 2023, , .		0
9229	Disentangling Stellar Age Estimates from Galactic Chemodynamical Evolution. Astrophysical Journal, 2024, 960, 84.	4.5	0
9230	Making waves in massive star asteroseismology. Astrophysics and Space Science, 2023, 368, .	1.4	0
9231	A Methodology for Integrating Hierarchical VMAP-Data Structures into an Ontology Using Semantically Represented Analyses. Information (Switzerland), 2024, 15, 21.	2.9	0

#	Article	IF	Citations
9233	Elevated Midkine Serum Levels Are Associated with Long-Term Survival in Critically Ill Patients. International Journal of Molecular Sciences, 2024, 25, 454.	4.1	1
9234	Statistical Analysis of Electric Currents Within the Magnetosheath Using Dayside Magnetospheric Multiscale Mission Observations. Journal of Geophysical Research: Space Physics, 2024, 129, .	2.4	0
9235	Toxicological assessment of divalent ion-modified ZnO nanomaterials through artificial intelligence and in vivo study. Aquatic Toxicology, 2024, 267, 106826.	4.0	0
9236	WISDOM Project - XVI. The link between circumnuclear molecular gas reservoirs and active galactic nucleus fuelling. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
9237	Quantum Particle-in-a-Sandbox: A Video Game That Explores the Time-Dependent Wave Function for Any Arbitrary One-Dimensional Potential. Journal of Chemical Education, 0, , .	2.3	0
9238	Modelling biochar long-term carbon storage in soil with harmonized analysis of decomposition data. Geoderma, 2024, 441, 116761.	5.1	0
9239	Unraveling the role of Slc10a4 in auditory processing and sensory motor gating: Implications for neuropsychiatric disorders?. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2024, 131, 110930.	4.8	0
9240	Applying the Effective Bond Energy Formalism (EBEF) to Describe the Sigma (σ) Phase in the Co-Cr-Ni-Re System. Journal of Phase Equilibria and Diffusion, 0, , .	1.4	0
9241	Deep-learning prediction of safety moiety of salen-type complex crystals towards explosive perchlorate salts. FirePhysChem, 2023, , .	3.4	0
9243	The Atacama Cosmology Telescope: Galactic Dust Structure and the Cosmic PAH Background in Cross-correlation with WISE. Astrophysical Journal, 2024, 960, 96.	4.5	0
9244	Intraoperative margin assessment for basal cell carcinoma with deep learning and histologic tumor mapping to surgical site. Npj Precision Oncology, 2024, 8, .	5.4	0
9245	MENDER: fast and scalable tissue structure identification in spatial omics data. Nature Communications, 2024, 15, .	12.8	2
9246	A rapid, low-cost, and highly sensitive SARS-CoV-2 diagnostic based on whole-genome sequencing. PLoS ONE, 2023, 18, e0294283.	2.5	0
9247	Data-driven mathematical and visualization approaches for removing rare features for Compositional Data Analysis (CoDA). NAR Genomics and Bioinformatics, 2024, 6, .	3.2	0
9248	Theory predicts 2D chiral polaritons based on achiral Fabry–Pérot cavities using apparent circular dichroism. Nature Communications, 2024, 15, .	12.8	1
9249	The POKEMON Speckle Survey of Nearby M Dwarfs. II. Observations of 1125 Targets. Astronomical Journal, 2024, 167, 56.	4.7	1
9250	Multimodal measures of spontaneous brain activity reveal both common and divergent patterns of cortical functional organization. Nature Communications, 2024, 15, .	12.8	1
9251	Enhancing ReaxFF for molecular dynamics simulations of lithium-ion batteries: an interactive reparameterization protocol. Scientific Reports, 2024, 14, .	3.3	0

#	ARTICLE	IF	CITATIONS
9252	New framework reveals gaps in US ocean biodiversity protection. One Earth, 2024, 7, 31-43.	6.8	0
9253	Statistical mechanical model for crack growth. Physical Review E, 2024, 109, .	2.1	0
9254	Multiphase neutral interstellar medium: analysing simulation with H <scp>i</scp> 21cm observational data analysis techniques. Monthly Notices of the Royal Astronomical Society, 2023, 527, 8475-8496.	4.4	1
9255	Machine Learning-Guided Discovery of AcrB and MexB Efflux Pump Inhibitors. Journal of Physical Chemistry B, 2024, 128, 648-663.	2.6	0
9256	Trunk and glenohumeral joint adaptations to manual wheelchair propulsion over a cross-slope: An exploratory study. Clinical Biomechanics, 2024, 111, 106167.	1.2	0
9257	Signs of Similar Stellar Obliquity Distributions for Hot and Warm Jupiters Orbiting Cool Stars. Astronomical Journal, 2024, 167, 48.	4.7	1
9258	JWST Imaging of Edge-on Protoplanetary Disks. II. Appearance of Edge-on Disks with a Tilted Inner Region: Case Study of IRAS04302+2247. Astrophysical Journal, 2024, 961, 95.	4.5	0
9259	Covalent inhibition of pro-apoptotic BAX. Nature Chemical Biology, 0, , .	8.0	0
9260	Simulation and Data-Driven Modeling of the Transport Properties of the Mie Fluid. Journal of Physical Chemistry B, 2024, 128, 551-566.	2.6	1
9261	Beta bursts question the ruling power for brain–computer interfaces. Journal of Neural Engineering, 2024, 21, 016010.	3.5	0
9262	A machine learning-based prediction model for postoperative delirium in cardiac valve surgery using electronic health records. BMC Cardiovascular Disorders, 2024, 24, .	1.7	0
9263	Earthquake or blast? Classification of local-distance seismic events in Sweden using fully connected neural networks. Geophysical Journal International, 2024, 236, 1728-1742.	2.4	1
9264	MTL neurons phase-lock to human hippocampal theta. ELife, 0, 13, .	6.0	0
9265	The preoptic area and dorsal habenula jointly support homeostatic navigation in larval zebrafish. Current Biology, 2024, 34, 489-504.e7.	3.9	0
9266	Dendritic Copper Current Collectors as a Capacity Boosting Material for Polymer-Templated Si/Ge/C Anodes in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2024, 16, 2309-2318.	8.0	0
9267	Conformational diversity and protein–protein interfaces in drug repurposing in Ras signaling pathway. Scientific Reports, 2024, 14, .	3.3	0
9268	Genetic drift promotes and recombination hinders speciation on holey fitness landscapes. PLoS Genetics, 2024, 20, e1011126.	3.5	0
9269	The dynamic centres of infrared-dark clouds and the formation of cores. Monthly Notices of the Royal Astronomical Society, 2024, 528, 1172-1197.	4.4	0

#	Article	IF	Citations
9270	Insights Into Electrophysiological Metrics of Cochlear Health in Cochlear Implant Users Using a Computational Model. JARO - Journal of the Association for Research in Otolaryngology, 2024, 25, 63-78.	1.8	0
9271	Mapping clinical interactions in an Australian tertiary hospital emergency department for patients presenting with risk of suicide or self-harm: Network modeling from observational data. PLoS Medicine, 2024, 21, e1004241.	8.4	0
9272	Free Energy Barriers for Passive Drug Transport through the Mycobacterium tuberculosis Outer Membrane: A Molecular Dynamics Study. International Journal of Molecular Sciences, 2024, 25, 1006.	4.1	1
9273	The interplay between feedback, accretion, transport, and winds in setting gas-phase metal distribution in galaxies. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2232-2256.	4.4	0
9274	Buzzard to Cardinal: Improved Mock Catalogs for Large Galaxy Surveys. Astrophysical Journal, 2024, 961, 59.	4.5	0
9275	The Structure and Composition of Multiphase Galactic Winds in a Large Magellanic Cloud Mass Simulated Galaxy. Astrophysical Journal, 2024, 960, 100.	4.5	1
9276	Spatial and temporal heterogeneity alter the cost of plasticity in Pristionchus pacificus. PLoS Computational Biology, 2024, 20, e1011823.	3.2	0
9277	Optical Tweezers Apparatus Based on a Cost-Effective IR Laser—Hardware and Software Description. Sensors, 2024, 24, 643.	3.8	0
9278	Single-molecule FRET probes allosteric effects on protein-translocating pore loops of a AAA+ machine. Biophysical Journal, 2024, 123, 374-388.	0.5	0
9279	Natural language processing analysis of online reviews for small business: extracting insight from small corpora. Annals of Operations Research, 0, , .	4.1	0
9280	Evolution of the Magnetic Field in High- and Low-β Disks with Initially Toroidal Fields. Astrophysical Journal, 2024, 960, 97.	4.5	0
9281	Numerical and experimental study of impact dynamics of bistable buckled beams. Journal of Sound and Vibration, 2024, 576, 118291.	3.9	0
9282	Machine Learning Made Easy (MLme): a comprehensive toolkit for machine learning—driven data analysis. GigaScience, 2024, 13, .	6.4	0
9283	Epistasis between mutator alleles contributes to germline mutation spectrum variability in laboratory mice. ELife, 0, 12, .	6.0	1
9286	Characterization of the repeating FRB 20220912A with the Allen Telescope Array. Monthly Notices of the Royal Astronomical Society, 2023, 527, 10425-10439.	4.4	0
9287	Distributed Coordinate Descent Algorithm for Variational Quantum Classification. , 2023, , .		0
9288	Three topologies of deep neural networks for pulse height extraction. Applied Radiation and Isotopes, 2024, 204, 111137.	1.5	0
9289	cuQuantum SDK: A High-Performance Library for Accelerating Quantum Science. , 2023, , .		3

#	ARTICLE	IF	CITATIONS
9290	Semisupervised Anomaly Detection using Support Vector Regression with Quantum Kernel. , 2023, , .		0
9291	Explainable machine learning for profiling the immunological synapse and functional characterization of therapeutic antibodies. Nature Communications, 2023, 14, .	12.8	2
9292	Forecasting of mobile network traffic and spatio–temporal analysis using modLSTM. Machine Learning, 0, , .	5.4	0
9293	Ensemble flow reconstruction in the atmospheric boundary layer from spatially limited measurements through latent diffusion models. Physics of Fluids, 2023, 35, .	4.0	2
9295	EMD and VMD in Pre-Movement EEG Signal Analysis: A Hybrid Mode Selection to Classify Upper Limb Complex Movements Using Statistical Features. , 2023, , .		0
9296	Green's functions of quasi-one-dimensional layered systems and their application to Josephson junctions. Physical Review B, 2024, 109, .	3.2	0
9297	Calibration of an SKA‐Low Prototype Station Using Holographic Techniques. Radio Science, 2024, 59, .	1.6	0
9298	Building a Binary Classification Machine-Learning Model: A Guide to Predicting Participation in a Lyme Disease Program at a Medical Institute. Methods in Molecular Biology, 2024, , 185-237.	0.9	0
9299	Insight into the Formation of β Pic b through the Composition of Its Parent Protoplanetary Disk as Revealed by the β Pic Moving Group Member HD 181327. Astronomical Journal, 2024, 167, 45.	4.7	0
9300	Roughness Prediction in the End Milling of Additively Manufactured Maraging Steel with Machine Learning. , 2023, , .		0
9301	Human Visual Cortex and Deep Convolutional Neural Network Care Deeply about Object Background. Journal of Cognitive Neuroscience, 2024, 36, 551-566.	2.3	0
9302	dSalmon: High-Speed Anomaly Detection for Evolving Multivariate Data Streams. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 153-169.	0.3	0
9303	High-speed imaging system to detect stellar occultations by Kuiper belt and Oort cloud objects. Journal of Astronomical Telescopes, Instruments, and Systems, 2024, 10, .	1.8	0
9304	New Mass and Radius Constraints on the LHS 1140 Planets: LHS 1140 b Is either a Temperate Mini-Neptune or a Water World. Astrophysical Journal Letters, 2024, 960, L3.	8.3	1
9305	Revisiting the membership, multiplicity, and age of the Beta Pictoris Moving Group in the <i>Gaia</i> era. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4760-4774.	4.4	0
9306	Rapid Grapevine Health Diagnosis Based on Digital Imaging and Deep Learning. Plants, 2024, 13, 135.	3.5	0
9307	Using the photon isoeffective dose formalism to compare and combine BNCT and CIRT in a head and neck tumour. Scientific Reports, 2024, 14, .	3.3	0
9308	Locosim: An Open-Source Cross-Platform Robotics Framework. Lecture Notes in Networks and Systems, 2024, , 395-406.	0.7	0

#	ARTICLE	IF	CITATIONS
9309	Identifying epigenetic aging moderators using the epigenetic pacemaker. Frontiers in Bioinformatics, 0, 3, .	2.1	0
9310	The Structure and Morphology of Galaxies during the Epoch of Reionization Revealed by JWST. Astrophysical Journal, 2024, 960, 104.	4.5	4
9311	The Sm2S3-X-SmS-Sm2O2S refractory system: thermal analysis, phase diagram, and properties of the phases. Journal of Thermal Analysis and Calorimetry, 2024, 149, 2057-2073.	3.6	1
9312	Characterization of membrane protein interactions by peptidisc-mediated mass photometry. IScience, 2024, 27, 108785.	4.1	0
9313	Resolving the eccentricity of stellar mass binary black holes with next generation ground-based gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2024, 528, 833-842.	4.4	0
9314	The Karabo SCADA System at the European XFEL. Synchrotron Radiation News, 2023, 36, 40-46.	0.8	0
9315	Helical reconstruction of VP39 reveals principles for baculovirus nucleocapsid assembly. Nature Communications, 2024, 15, .	12.8	0
9316	Variation in the Photoplethysmogram Response to Arousal From Sleep Depending on the Cause of Arousal and the Presence of Desaturation. IEEE Journal of Translational Engineering in Health and Medicine, 2024, 12, 328-339.	3.7	0
9317	Operational strategy of reconfigurable membrane process for bio-based amino acid production. Separation and Purification Technology, 2024, 336, 126272.	7.9	0
9318	Detection of wells in images of deformed 96-wells plates. MRS Advances, 0, , .	0.9	0
9319	Analog vacuum decay from vacuum initial conditions. Physical Review D, 2024, 109, .	4.7	1
9320	Thoracic electrical impedance tomography identifies heterogeneity in lungs associated with respiratory disease in cattle. A pilot study. Frontiers in Veterinary Science, 0, 10, .	2.2	0
9321	The rotation curve and mass distribution of M31. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2653-2666.	4.4	0
9322	Hartree-fock roothaan calculations using optimized huzinaga orbitals on small molecules. Physica Scripta, 2024, 99, 025406.	2.5	0
9323	treams â€" a T-matrix-based scattering code for nanophotonics. Computer Physics Communications, 2024, 297, 109076.	7.5	1
9324	GWTC-2.1: Deep extended catalog of compact binary coalescences observed by LIGO and Virgo during the first half of the third observing run. Physical Review D, 2024, 109, .	4.7	17
9327	Extracting ultralight boson properties from boson clouds around postmerger remnants. Physical Review D, 2024, 109, .	4.7	1
9328	Comprehending conformational changes in EmrE, multidrug transporter at different pH: insights from molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 0, , 1-14.	3.5	0

#	Article	IF	Citations
9329	Coherent full microwave scattering formulation for random layered media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2024, 41, 355.	1.5	0
9330	A joint SRG/eROSITA +ÂZTF search: Discovery of a 97-min period eclipsing cataclysmic variable with evidence of a brown dwarf secondary. Monthly Notices of the Royal Astronomical Society, 2024, 528, 676-692.	4.4	0
9332	Indium defect complexes in $(In_x Ga_{1-x})_2O_3$: a combined experimental and hybrid density functional theory study. Journal Physics D: Applied Physics, 2024, 57, 145302.	2.8	2
9333	Interpreting the effect of mutations to protein binding sites from large-scale genomic screens. Methods, 2024, 222, 122-132.	3.8	0
9334	Radiomic tractometry reveals tract-specific imaging biomarkers in white matter. Nature Communications, 2024, 15, .	12.8	0
9335	Anomaly detection in feature space for detecting changes in phytoplankton populations. Frontiers in Marine Science, 0, 10, .	2.5	1
9336	Optimal Brain Dissection in Dense Autoencoders: Towards Determining Feature Importance in -Omics Data. , 2023, , .		0
9338	Constraining the nature of dark compact objects with spin-induced octupole moment measurement. Physical Review D, 2024, 109, .	4.7	1
9339	A validated model for variable-speed multi-chillers to assess different operation modes. International Journal of Refrigeration, 2024, 160, 9-27.	3.4	0
9340	QuantEcon.py: A community based Python library for quantitative economics. Journal of Open Source Software, 2024, 9, 5585.	4.6	0
9341	Machine learning methods in the detection of brain tumors. Biometrical Letters, 2023, 60, 125-148.	0.2	0
9342	Cultural transmission, competition for prey, and the evolution of cooperative hunting. Theoretical Population Biology, 2024, 156, 12-21.	1.1	0
9343	Spatiotemporal Dynamics of Ecosystem Service Balance in the Beijing-Tianjin-Hebei Region and Its Ecological Security Barrier with Inner Mongolia. Atmosphere, 2024, 15, 76.	2.3	0
9345	Impact of selection biases on tests of general relativity with gravitational-wave inspirals. Physical Review D, 2024, 109, .	4.7	2
9346	Statistical Distribution Function of Orbital Spacings in Planetary Systems. Astronomical Journal, 2024, 167, 46.	4.7	0
9347	AB Aur, a Rosetta stone for studies of planet formation. Astronomy and Astrophysics, 2024, 683, A141.	5.1	0
9349	Accretion-induced flickering variability among symbiotic stars from space photometry with NASA TESS. Astronomy and Astrophysics, 2024, 683, A84.	5.1	1
9350	The APO-K2 Catalog. I. â¼7500 Red Giants with Fundamental Stellar Parameters from APOGEE DR17 Spectroscopy and K2-GAP Asteroseismology. Astronomical Journal, 2024, 167, 50.	4.7	1

#	Article	IF	Citations
9351	Application of Reinforcement Learning in Decision Systems: Lift Control Case Study. Applied Sciences (Switzerland), 2024, 14, 569.	2.5	0
9352	Grain boundary network plasticity: Reduced-order modeling of deformation-driven shear-coupled microstructure evolution. Journal of the Mechanics and Physics of Solids, 2024, 184, 105541.	4.8	0
9353	Application of collisional analysis to the differential velocity of solar wind ions. Frontiers in Astronomy and Space Sciences, 0, 10, .	2.8	0
9354	Detecting Fast Radio Bursts with Spectral Structure Using the Continuous Forward Algorithm. Astrophysical Journal, 2024, 960, 128.	4.5	0
9355	Intrinsic alignment from multiple shear estimates: a first application to data and forecasts for stage IV. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2980-2999.	4.4	1
9356	High-z quasar candidate archive: a spectroscopic catalogue of quasars and contaminants in various quasar searches. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2679-2710.	4.4	0
9357	Assessing Feed-Forward Backpropagation Artificial Neural Networks for Strain-Rate-Sensitive Mechanical Modeling. Materials, 2024, 17, 317.	2.9	0
9358	Spatiotemporal map of star clusters in the Magellanic Clouds using *Gaia*: synchronized peaks and radial shrinkage of cluster formation. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2274-2298.	4.4	0
9359	A machine learning approach to identify groups of patients with hematological malignant disorders. Computer Methods and Programs in Biomedicine, 2024, 246, 108011.	4.7	0
9360	Trend and the Cycle of Fluctuations and Statistical Distribution of Temperature of Berlin, Germany, in the Period 1995â€"2012. , 0, , .		0
9361	Rapid and synchronous chemical induction of replicativeâ€like senescence via a small molecule inhibitor. Aging Cell, 2024, 23, .	6.7	0
9362	A dark siren measurement of the Hubble constant using gravitational wave events from the first three LIGO/Virgo observing runs and DELVE. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3249-3259.	4.4	1
9363	Force balance ratio is a robust predictor of arterial thrombus stability. Biophysical Journal, 2024, 123, 464-477.	0.5	0
9364	Machine-learning-based detection of spin structures. Physical Review Applied, 2024, 21, .	3.8	0
9365	Uniting **_Gaia_** and APOGEE to unveil the cosmic chemistry of the Milky Way disc. Astronomy and Astrophysics, 2024, 683, A128.	5.1	0
9366	Novel proteomics-based plasma test for early detection of multiple cancers in the general population. , 2024, 3, e000073.		0
9367	Long-term retention and distribution of highly enriched uranium in an occupationally exposed female. Radiation and Environmental Biophysics, 2024, 63, 109-123.	1.4	0
9368	Small polymorphisms are a source of ancestral bias in structural variant breakpoint placement. Genome Research, 2024, 34, 7-19.	5.5	0

#	Article	IF	Citations
9371	SimplyFire: An Open-Source, Customizable Software Application forÂthe Analysis of Synaptic Events. ENeuro, 2024, 11, ENEURO.0326-23.2023.	1.9	0
9372	Augmenting the power of time-delay cosmography in lens galaxy clusters by probing their member galaxies. Astronomy and Astrophysics, 2024, 682, L2.	5.1	0
9373	HDAC2 SCAN: An Expert System for Virtual Screening of Histone Deacetylase 2 Inhibitors. Russian Journal of General Chemistry, 2023, 93, S426-S437.	0.8	0
9374	Effect of double spin-precession and higher harmonics on spin-induced quadrupole moment measurements. Physical Review D, 2024, 109, .	4.7	0
9375	To Sample or Not to Sample: Retrieving Exoplanetary Spectra with Variational Inference and Normalizing Flows. Astrophysical Journal, 2024, 961, 30.	4.5	0
9376	LIBSsa: an open source software for analyzing LIBS spectra. Journal of Open Source Software, 2024, 9, 5961.	4.6	0
9377	Enhancing Georeferencing and Mosaicking Techniques over Water Surfaces with High-Resolution Unmanned Aerial Vehicle (UAV) Imagery. Remote Sensing, 2024, 16, 290.	4.0	1
9378	H-wave â€" A Python package for the Hartree-Fock approximation and the random phase approximation. Computer Physics Communications, 2024, 298, 109087.	7.5	0
9379	A Multiwavelength Study of the Symbiotic Mira HM Sge with SOFIA and HST. Astrophysical Journal, 2024, 961, 14.	4.5	0
9380	Accelerating materials research with a comprehensive data management tool: a case study on an electrochemical laboratory. Journal of Materials Chemistry A, 2024, 12, 3933-3942.	10.3	0
9382	Icequake insights on transient glacier slip mechanics near channelized subglacial drainage. Earth and Planetary Science Letters, 2024, 627, 118513.	4.4	0
9383	New insights into the role of AGNs in forming the cluster red sequence. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3679-3695.	4.4	2
9384	Mapping Obscured Star Formation in the Host Galaxy of FRB 20201124A. Astrophysical Journal, 2024, 961, 44.	4.5	1
9386	The Star Formation Efficiency during Reionization as Inferred from the Hubble Frontier Fields. Astrophysical Journal, 2024, 961, 50.	4.5	0
9387	Enhanced Tumor Targeting of Radiolabeled Mouse/Human Chimeric Anti-Tn Antibody in Losartan-Treated Mice Bearing Tn-Expressing Lung Tumors. Cancer Biotherapy and Radiopharmaceuticals, 0, , .	1.0	0
9388	Itâ€™s Not Always about Wide and Deep Models: Click-Through Rate Prediction with a Customer Behavior-Embedding Representation. Journal of Theoretical and Applied Electronic Commerce Research, 2024, 19, 135-151.	5.7	0
9389	Fine-structure Transitions of Ne^+, Ar^+, Ne^{2+}, and Ar^{2+} Induced by Collisions with Atomic Hydrogen. Astrophysical Journal, 2024, 961, 43.	4.5	0
9390	Star Formation Efficiency in Nearby Galaxies Revealed with a New CO-to-H_2 Conversion Factor Prescription. Astrophysical Journal, 2024, 961, 42.	4.5	1

#	ARTICLE	IF	CITATIONS
9391	MetageneCluster: a Python package for filtering conflicting signal trends in metagene plots. BMC Bioinformatics, 2024, 25, .	2.6	0
9392	JWST Observations of Young protoStars (JOYS+): Detecting icy complex organic molecules and ions. Astronomy and Astrophysics, 2024, 683, A124.	5.1	1
9393	Two Long-period Giant Planets around Two Giant Stars: HD 112570 and HD 154391. Astronomical Journal, 2024, 167, 59.	4.7	0
9394	cellanneal: A user-friendly deconvolution software for transcriptomics data. Journal of Open Source Software, 2024, 9, 5610.	4.6	0
9395	Mode Transition Induced by Gas Heating Along the Discharge Channel in Capacitively Coupled Atmospheric Pressure Micro Plasma Jets. Plasma Chemistry and Plasma Processing, 0, , .	2.4	1
9396	New candidate hypervelocity red clump stars in the inner Galactic bulge. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5495-5510.	4.4	0
9397	Fuzzy-Based Image Contrast Enhancement for Wind Turbine Detection: A Case Study Using Visual Geometry Group Model 19, Xception, and Support Vector Machines. Machines, 2024, 12, 55.	2.2	0
9398	A Lagrangian theory for galaxy shape statistics. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 027.	5.4	1
9399	GMF G214.5-1.8 as traced by CO: I â€" cloud-scale CO freeze-out as a result of a low cosmic-ray ionization rate. Monthly Notices of the Royal Astronomical Society, 2024, 528, 1555-1572.	4.4	0
9400	High-resolution repeat topography of drifting ice floes in the Arctic Ocean from terrestrial laser scanning. Scientific Data, 2024, 11, .	5.3	1
9401	VINTERGATAN-GM: How do mergers affect the satellite populations of MW-like galaxies?. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2346-2357.	4.4	1
9402	Accurate halo mass functions from the simplest excursion set theory. Monthly Notices of the Royal Astronomical Society, 2024, 528, 1372-1387.	4.4	0
9404	Digital remote monitoring for screening and early detection of urinary tract infections. Npj Digital Medicine, 2024, 7, .	10.9	0
9405	Gravitational torque in circumbinary discs: global radial oscillations. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2358-2376.	4.4	2
9408	Trajectory maps: molecular dynamics visualization and analysis. NAR Genomics and Bioinformatics, 2024, 6, .	3.2	1
9409	Using Explainable Artificial Intelligence (XAI) to Predict the Influence of Weather on the Thermal Soaring Capabilities of Sailplanes for Smart City Applications. Smart Cities, 2024, 7, 163-178.	9.4	1
9410	Robust Detrending of Spatially Correlated Systematics in Kepler Light Curves Using Low-rank Methods. Astronomical Journal, 2024, 167, 60.	4.7	0
9411	SuPyMode: an open-source library for design and optimization of fiber optic components,. , 2024, 3, 242.		0

#	Article	IF	Citations
9412	Resource-rational account of sequential effects in human prediction. ELife, 0, 13, .	6.0	0
9413	easyunfold: A Python package for unfolding electronic band structures. Journal of Open Source Software, 2024, 9, 5974.	4.6	0
9414	Ultradeep ATCA Imaging of 47 Tucanae Reveals a Central Compact Radio Source. Astrophysical Journal, 2024, 961, 54.	4.5	1
9416	Simulating the Detection of the Global 21 cm Signal with MIST for Different Models of the Soil and Beam Directivity. Astrophysical Journal, 2024, 961, 56.	4.5	0
9417	Jovian Electrons in the Inner Heliosphere: Opportunities for Multi-spacecraft Observations and Modeling. Astrophysical Journal, 2024, 961, 57.	4.5	0
9419	Assessing the accuracy of OpenET satellite-based evapotranspiration data to support water resource and land management applications. , 2024, 2, 193-205.		6
9420	Towards estimating the number of strains that make up a natural bacterial population. Nature Communications, 2024, 15, .	12.8	2
9421	Chemodynamical Nature of the Anticenter Stream and Monoceros Ring. Astrophysical Journal, 2024, 961, 65.	4.5	0
9422	The GLM-spectrum: A multilevel framework for spectrum analysis with covariate and confound modelling. , 2024, 2, 1-26.		0
9423	Black holes as the source of dark energy: A stringent test with high-redshift JWST AGNs. Science China: Physics, Mechanics and Astronomy, 2024, 67, .	5.1	2
9424	Simulating Hydrogen-poor Interaction-powered Supernovae with CHIPS. Astrophysical Journal, 2024, 961, 67.	4.5	0
9425	One-Year-Long, Comprehensive Analysis of PM Number and Mass Size Distributions in Warszawa (Poland). Ecological Chemistry and Engineering S, 2023, 30, 541-556.	1.5	0
9426	Population genomic analyses reveal high diversity, recombination and nosocomial transmission among Candida glabrata (Nakaseomyces glabrata) isolates causing invasive infections. Microbial Genomics, 2024, 10, .	2.0	0
9427	A Morphokinematic Study of the Enigmatic Emission Nebula NGC 6164/5 Surrounding the Magnetic O-type Star HD 148937. Astrophysical Journal, 2024, 961, 72.	4.5	0
9430	A Machine Learning Approach to Understanding the Physical Properties of Magnetic Flux Ropes in the Solar Wind at 1 au. Astrophysical Journal, 2024, 961, 81.	4.5	1
9431	MBPPE: A Modular Batch Processing Platform for Electroencephalography. Applied Sciences (Switzerland), 2024, 14, 770.	2.5	0
9432	More Accurate Measurement of Return Peak Current in Cyclic Voltammetry Using Diffusional Baseline Fitting. Analytical Chemistry, 2024, 96, 1530-1537.	6.5	0
9433	Designed allosteric protein logic. Cell Discovery, 2024, 10, .	6.7	0

#	Article	IF	Citations
9434	SPA^HM(a,b): Encoding the Density Information from Guess Hamiltonian in Quantum Machine Learning Representations. Journal of Chemical Theory and Computation, 2024, 20, 1108-1117.	5.3	0
9435	Cosmological constraints on 4-dimensional Einstein-Gauss-Bonnet gravity. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 043.	5.4	0
9436	Simulating image coaddition with the *Nancy Grace Roman Space Telescope —* I. Simulation methodology and general results. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2533-2561.	4.4	0
9437	Genomic heterogeneity at baseline is associated with T790M resistance mutations in *EGFR*â€mutated lung cancer treated with the firstâ€/secondâ€generation tyrosine kinase inhibitors. Journal of Pathology: Clinical Research, 2024, 10, .	3.0	0
9438	Bioverse: The Habitable Zone Inner Edge Discontinuity as an Imprint of Runaway Greenhouse Climates on Exoplanet Demographics. Planetary Science Journal, 2024, 5, 3.	3.6	2
9439	Spectroscopic Imaging of the Sun with MeerKAT: Opening a New Frontier in Solar Physics. Astrophysical Journal, 2024, 961, 96.	4.5	0
9440	The Discovery of the Faintest Known Milky Way Satellite Using UNIONS. Astrophysical Journal, 2024, 961, 92.	4.5	0
9441	Analysis of the Mouse Hepatic Peroxisome Proteomeâ€"Identification of Novel Protein Constituents Using a Semi-Quantitative SWATH-MS Approach. Cells, 2024, 13, 176.	4.1	0
9442	Automatic Detection of Acoustic Signals of Beluga Whales and Bottlenose Dolphins. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2023, 78, S217-S225.	0.4	0
9443	Data mining prototyping knowledge graphs for design process insights. Journal of Engineering Design, 0, , 1-27.	2.3	1
9444	Sulfur dioxide in the mid-infrared transmission spectrum of WASP-39b. Nature, 2024, 626, 979-983.	27.8	1
9445	Proposed Host Galaxies of Repeating Fast Radio Burst Sources Detected by CHIME/FRB. Astrophysical Journal, 2024, 961, 99.	4.5	2
9446	Pisces VII/Triangulum III â€" M33â€™s second dwarf satellite galaxy. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2614-2620.	4.4	0
9447	The evolution of catastrophically evaporating rocky planets. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4314-4336.	4.4	0
9448	12 Ã— 2 pt combined probes: pipeline, neutrino mass, and data compression. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 042.	5.4	0
9449	From Feast to Famine: A Systematic Study of Accretion onto Oblique Pulsars with 3D GRMHD Simulations. Astrophysical Journal Letters, 2024, 961, L20.	8.3	0
9450	AIRI: Predicting Retention Indices and Their Uncertainties Using Artificial Intelligence. Journal of Chemical Information and Modeling, 2024, 64, 690-696.	5.4	0
9451	MehNet: a vigesimal-based model by amino acid melting points generates unique ID numbers for protein sequences. Journal of Biomolecular Structure and Dynamics, 0, , 1-7.	3.5	0

#	Article	IF	Citations
9452	On differential privacy for federated learning in wireless systems with multiple base stations. IET Communications, 0, , .	2.2	1
9453	Identifying 850 δ Scuti pulsators in a narrow <i>Gaia</i> colour range with <i>TESS</i> 10-min full-frame images. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2464-2473.	4.4	0
9454	Flexible and rigorous numerical modelling of multiphysics processes in fractured porous media using PorePy. Results in Applied Mathematics, 2024, 21, 100428.	1.3	0
9455	The effect of relativistic precession on light curves of tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2568-2587.	4.4	0
9456	Optimal 1D Lyα forest power spectrum estimation – III. DESI early data. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3941-3963.	4.4	0
9457	Simulating image coaddition with the Nancy Grace Roman Space Telescope – II. Analysis of the simulated images and implications for weak lensing. Monthly Notices of the Royal Astronomical Society, 2024, 528, 6680-6705.	4.4	0
9458	A comparative assessment of time-consuming and laborious diatom analysis：Brief experimentation with suggestion of automatic identification. Forensic Science International, 2024, 355, 111939.	2.2	0
9459	A Census of Star Formation Histories of Massive Galaxies at 0.6 < z < 1 from Spectrophotometric Modeling Using Bagpipes and Prospector. Astrophysical Journal, 2024, 961, 118.	4.5	1
9460	Modelling disease mitigation at mass gatherings: A case study of COVID-19 at the 2022 FIFA World Cup. PLoS Computational Biology, 2024, 20, e1011018.	3.2	0
9461	Programming in Python. , 2024, , 1-40.		0
9462	Revealing key structural features for developing new agonists targeting δ opioid receptor: Combined machine learning and molecular modeling perspective. Medicine in Drug Discovery, 2024, 21, 100176.	4.5	0
9463	Prediction of Hydrogen Abstraction Rate Constants at the Allylic Site between Alkenes and OH with Multiple Machine Learning Models. Journal of Physical Chemistry A, 2024, 128, 761-772.	2.5	1
9464	Real-time line-field optical coherence tomography for cellular resolution imaging of biological tissue. Biomedical Optics Express, 2024, 15, 1059.	2.9	0
9465	GW190521: Tracing imprints of spin-precession on the most massive black hole binary. Physical Review D, 2024, 109, .	4.7	2
9466	Atmospheric Escape From Three Terrestrial Planets in the L 98-59 System. Astrophysical Journal, 2024, 961, 115.	4.5	0
9467	Improving cross-subject classification performance of motor imagery signals: a data augmentation-focused deep learning framework. Machine Learning: Science and Technology, 2024, 5, 015021.	5.0	0
9468	Genetic Algorithm-Based Prediction of Emerging SARS-CoV-2 Variants: A Computational Biology Perspective. , 2023, , .		0
9469	Inferring Stellar Parameters from Iodine-imprinted Keck/HIRES Spectra with Machine Learning. Astrophysical Journal Letters, 2024, 961, L24.	8.3	0

#	Article	IF	Citations
9470	Reinforcement learning based agents for improving layouts of automotive crash structures. Applied Intelligence, 2024, 54, 1751-1769.	5.3	0
9471	Coordinating brain-distributed network activities in memory resistant to extinction. Cell, 2024, 187, 409-427.e19.	28.9	0
9472	Comparison of two peroxidases with high potential for biotechnology applications â€" HRP vs. APEX2. Computational and Structural Biotechnology Journal, 2024, 23, 742-751.	4.1	0
9473	Uniform Forward-modeling Analysis of Ultracool Dwarfs. III. Late-M and L Dwarfs in Young Moving Groups, the Pleiades, and the Hyades. Astrophysical Journal, 2024, 961, 121.	4.5	0
9474	Chemistry of Complex Organic Molecules in the V883 Ori Disk Revealed by ALMA Band 3 Observations. Astronomical Journal, 2024, 167, 66.	4.7	0
9475	The Age Distribution of Stellar Orbit Space Clumps. Astrophysical Journal, 2024, 961, 113.	4.5	0
9476	The era of the ARG: An introduction to ancestral recombination graphs and their significance in empirical evolutionary genomics. PLoS Genetics, 2024, 20, e1011110.	3.5	3
9477	SLiCE: An open building data model for scalable high-definition life cycle engineering, dynamic impact assessment, and systematic hotspot analysis. Sustainable Production and Consumption, 2024, 45, 450-463.	11.0	0
9478	A Bigger Cloud 9? New Hâ€‰i Observations of the RELHIC Candidate M94- Cloud 9. Research Notes of the AAS, 2024, 8, 24.	0.7	0
9479	Properties Optimization of Polypropylene/Montmorillonite Nanocomposite Drawn Fibers. Nanomaterials, 2024, 14, 223.	4.1	0
9480	Assessing the Impact of Non-Compliant Users Response to System-Optimal Dynamic Traffic Assignment. , 2023, , .		0
9481	Differentiable programming in machine learning. Tehnika, 2023, 78, 699-711.	0.2	0
9482	A comparative study of clinical trial and real-world data in patients with diabetic kidney disease. Scientific Reports, 2024, 14, .	3.3	0
9483	Gaussian Processes and Nested Sampling Applied to Kepler's Small Long-period Exoplanet Candidates. Astronomical Journal, 2024, 167, 68.	4.7	0
9484	Maximum Correntropy Ensemble Kalman Filter. , 2023, , .		0
9485	Seismic Station Monitoring Using Deviation from the Gaussianity. Seismological Research Letters, 2024, 95, 1687-1700.	1.9	0
9486	TorchAudio 2.1: Advancing Speech Recognition, Self-Supervised Learning, and Audio Processing Components for Pytorch. , 2023, , .		0
9487	Jet Reorientation in Central Galaxies of Clusters and Groups: Insights from VLBA and Chandra Data. Astrophysical Journal, 2024, 961, 134.	4.5	1

#	Article	IF	Citations
9488	First JWST Observations of JAGB Stars in the SN Ia Host Galaxies: NGC 7250, NGC 4536, NGC 3972. Astrophysical Journal, 2024, 961, 132.	4.5	0
9489	A massive multiphase plume of gas in Abell 2390â€™s brightest cluster galaxy. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3441-3455.	4.4	0
9490	Chemical evolution of local post-starburst galaxies: implications for the massâ€"metallicity relation. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4029-4052.	4.4	0
9492	Coupling data-driven geochemical analysis and ensemble machine learning for automatic identification of oceanic anoxic events. Journal of Asian Earth Sciences, 2024, 263, 106027.	2.3	0
9493	Synthetic observations: bridging the gap between theory and observations. , 2024, , 337-363.		0
9494	Controlling Randomization in Astronomy Simulations. Research Notes of the AAS, 2024, 8, 25.	0.7	0
9495	An error correction strategy for image reconstruction by DNA sequencing microscopy. Nature Computational Science, 2024, 4, 119-127.	8.0	1
9496	Connectome-based reservoir computing with the conn2res toolbox. Nature Communications, 2024, 15, .	12.8	1
9497	Towards cost-effective and resource-aware aggregation at Edge for Federated Learning. , 2023, , .		0
9498	Sub-membrane actin rings compartmentalize the plasma membrane. Journal of Cell Biology, 2024, 223, .	5.2	0
9499	A multi-modality and multi-dyad approach to measuring flexibility in psychotherapy. Psychotherapy Research, 0, , 1-17.	1.8	0
9500	PICALO: principal interaction component analysis for the identification of discrete technical, cell-type, and environmental factors that mediate eQTLs. Genome Biology, 2024, 25, .	8.8	0
9501	Gaitmapâ€"An Open Ecosystem for IMU-Based Human Gait Analysis and Algorithm Benchmarking. IEEE Open Journal of Engineering in Medicine and Biology, 2024, 5, 163-172.	2.3	0
9502	Redshifted Iron Emission and Absorption Lines in the Chandra X-Ray Spectrum of Centaurus A. Astrophysical Journal, 2024, 961, 150.	4.5	0
9503	Deep Learning-Based Detection and Classification of Bone Lesions on Staging Computed Tomography in Prostate Cancer: A Development Study. Academic Radiology, 2024, , .	2.5	0
9504	The Site/Group Extended Data Format and Tools. Genome Biology and Evolution, 2024, 16, .	2.5	0
9506	Systematic determination of a materialâ€™s magnetic ground state from first principles. Npj Computational Materials, 2024, 10, .	8.7	0
9507	Increasing Burden of Lower-Extremity Fractures in the Middle East and North Africa (MENA). Journal of Bone and Joint Surgery - Series A, 2024, 106, 414-424.	3.0	0

#	Article	IF	Citations
9508	Scalable Data-based Diagnostic Concept - Scalability Measures. , 2023, , .		0
9509	Active smectics on a sphere. Journal of Physics Condensed Matter, 2024, 36, 185001.	1.8	0
9510	Using Generative Modeling to Endow with Potency Initially Inert Compounds with Good Bioavailability and Low Toxicity. Journal of Chemical Information and Modeling, 2024, 64, 590-596.	5.4	3
9513	An end-to-end workflow for nondestructive 3D pathology. Nature Protocols, 2024, 19, 1122-1148.	12.0	1
9514	Enhancing the quality of panel-based tumor mutation burden assessment: a comprehensive study of real-world and in-silico outcomes. Npj Precision Oncology, 2024, 8, .	5.4	0
9515	Sub-kpc scale gas density histogram of the galactic molecular gas: a new statistical method to characterize galactic-scale gas structures. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3473-3485.	4.4	0
9516	Combined flat-field and frequency filter approach to correcting artifacts of multichannel two-photon microscopy. Journal of Biomedical Optics, 2024, 29, .	2.6	0
9517	First Observational Evidence for an Interconnected Evolution between Time Lag and QPO Frequency among AGNs. Astrophysical Journal Letters, 2024, 961, L32.	8.3	0
9518	Testing He ii Emission from Wolf–Rayet Stars as a Dust Attenuation Measure in Eight Nearby Star-forming Galaxies. Astrophysical Journal, 2024, 961, 159.	4.5	0
9519	Recording animal-view videos of the natural world using a novel camera system and software package. PLoS Biology, 2024, 22, e3002444.	5.6	0
9521	PlayMolecule Viewer: A Toolkit for the Visualization of Molecules and Other Data. Journal of Chemical Information and Modeling, 2024, 64, 584-589.	5.4	0
9523	Extending relax-and-round combinatorial optimization solvers with quantum correlations. Physical Review A, 2024, 109, .	2.5	1
9524	filoVision – using deep learning and tip markers to automate filopodia analysis. Journal of Cell Science, 2024, 137, .	2.0	0
9525	A comparison of deep learning segmentation models for synchrotron radiation based tomograms of biodegradable bone implants. Frontiers in Physics, 0, 12, .	2.1	0
9526	RIˆCalc: A user friendly software and web server for refractive index calculation. Computer Physics Communications, 2024, 298, 109100.	7.5	0
9527	A study of dipolar signal in distant Quasars with various observables. European Physical Journal C, 2024, 84, .	3.9	0
9528	Hybrid Rocket Engine Burnback Simulations Using Implicit Geometry Descriptions. Aerospace, 2024, 11, 103.	2.2	0
9529	An Extensive Hubble Space Telescope Study of the Offset and Host Light Distributions of Type I Superluminous Supernovae. Astrophysical Journal, 2024, 961, 169.	4.5	0

#	ARTICLE	IF	CITATIONS
9530	Disentangling the Black Hole Mass Spectrum with Photometric Microlensing Surveys. Astrophysical Journal, 2024, 961, 179.	4.5	1
9531	Development and Application of a Comprehensive Nontargeted Screening Strategy for Aristolochic Acid Analogues. Analytical Chemistry, 2024, 96, 1922-1931.	6.5	0
9532	3D Optical Coherence Tomography image processing in BISCAP: characterization of biofilm structure and properties. Bioinformatics, 2024, 40, .	4.1	0
9533	A study of extreme Câ‰<scp>iii</scp>]1908Â& [Oâ‰<scp>iii</scp>]88/[Câ‰<scp>ii</scp>]157 emission in Pox 186: implications for <i>JWST</i>+ALMA (FUVÂ+ÂFIR) studies of distant galaxies. Monthly Notices of the Royal Astronomical Society, 2024, 529, 781-801.	4.4	1
9534	Behind the mask: can HARMONI@ELT detect biosignatures in the reflected light of Proxima b?. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3509-3522.	4.4	0
9535	Unsupervised machine learning for the classification of astrophysical X-ray sources. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4852-4871.	4.4	0
9536	On an apparent dearth of recurrent nova super-remnants in the Localâ‰Group. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3531-3548.	4.4	0
9538	The treasure behind the haystack: MUSE analysis of five recently discovered globular clusters. Astronomy and Astrophysics, 2024, 683, A167.	5.1	0
9539	Lethal effect of <i>Goniozus legneri</i> on <i>Cactoblastis cactorum</i>: A potential biocontrol agent for inundative releases. Bulletin of Entomological Research, 2024, 114, 149-158.	1.0	0
9540	Hunting young stars in the Galactic centre. Astronomy and Astrophysics, 2024, 681, L21.	5.1	0
9541	JWST MIRI/Medium Resolution Spectrograph (MRS) Observations and Spectral Models of the Underluminous Type Ia Supernova 2022xkq. Astrophysical Journal, 2024, 961, 187.	4.5	0
9542	An Updated Modular Set of Synthetic Spectral Energy Distributions for Young Stellar Objects. Astrophysical Journal, 2024, 961, 188.	4.5	0
9543	Filament Formation due to Diffusive Instabilities in Dusty Protoplanetary Disks. Astrophysical Journal, 2024, 961, 183.	4.5	0
9544	Coherent control of the translational and point group symmetries of crystals with light. Physical Review B, 2024, 109, .	3.2	1
9545	Environmental Dependence of Type Ia Supernovae in Low-redshift Galaxy Clusters. Astrophysical Journal, 2024, 961, 185.	4.5	0
9546	Gas Morphology of Milky Wayâ€"like Galaxies in the TNG50 Simulation: Signals of Twisting and Stretching. Astrophysical Journal, 2024, 961, 193.	4.5	0
9547	The variable magnetic field of V889 Her and the challenge of detecting exoplanets around young Suns using Gaussian process regression. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4092-4114.	4.4	0
9548	Precision MARS Mass Reconstruction of A2744: Synergizing the Largest Strong-lensing and Densest Weak-lensing Data Sets from JWST. Astrophysical Journal, 2024, 961, 186.	4.5	1

#	Article	IF	Citations
9549	Lock-In enhanced non-quantum ghost imaging approach for low scattering surfaces in a highly light contaminated environment. , 2024, , .		0
9550	*BioXTAS RAW 2*: new developments for a free open-source program for small-angle scattering data reduction and analysis. Journal of Applied Crystallography, 2024, 57, 194-208.	4.5	0
9551	Transiting exoplanets with the Mid-InfraRed Instrument on board JWST: From simulations to observations. Astronomy and Astrophysics, 2024, 683, A212.	5.1	0
9552	Searching for X-ray counterparts of degree-wide TeV halos around middle-aged pulsars with SRG/eROSITA. Astronomy and Astrophysics, 2024, 683, A180.	5.1	0
9553	A catalogue of Galactic GEMS: Globular cluster Extra-tidal Mock Stars. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5189-5211.	4.4	0
9554	Weighting Low-Intensity MS/MS Ions and m/z Frequency for Spectral Library Annotation. Journal of the American Society for Mass Spectrometry, 2024, 35, 266-274.	2.8	0
9555	Toward Quantum-Informed Atom Pairs. ACS Omega, 2024, 9, 5966-5971.	3.5	0
9556	Improving the precision of shock resuscitation by predicting fluid responsiveness with machine learning and arterial blood pressure waveform data. Scientific Reports, 2024, 14, .	3.3	0
9557	Adaptive geofields similarity measure based on binary similarity measures generalization. Geodeziya I Kartografiya, 2024, 1002, 38-48.	0.3	0
9558	Testing strengths, limitations, and biases of current pulsar timing arrays' detection analyses on realistic data. Astronomy and Astrophysics, 2024, 683, A201.	5.1	0
9559	Deep learning approach for identification of HÂii regions during reionization in 21-cm observations â€" II. Foreground contamination. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5212-5230.	4.4	0
9560	PyTME (Python Template Matching Engine): A fast, flexible, and multi-purpose template matching library for cryogenic electron microscopy data. SoftwareX, 2024, 25, 101636.	2.6	0
9562	Graphylo: A deep learning approach for predicting regulatory DNA and RNA sites from whole-genome multiple alignments. IScience, 2024, 27, 109002.	4.1	0
9563	CUQIpy: II. Computational uncertainty quantification for PDE-based inverse problems in Python. Inverse Problems, 2024, 40, 045010.	2.0	2
9564	Atmospheric turbulence observed during a fuel-bed-scale low-intensity surface fire. Atmospheric Chemistry and Physics, 2024, 24, 1119-1142.	4.9	0
9565	Optimal control of large quantum systems: assessing memory and runtime performance of GRAPE. Journal of Physics Communications, 2024, 8, 025002.	1.2	0
9566	CUQIpy: I. Computational uncertainty quantification for inverse problems in Python. Inverse Problems, 2024, 40, 045009.	2.0	0
9567	Noteworthy Consensus Effects of D/E Residues in Umami Peptides Used for Designing the Novel Umami Peptides. Journal of Agricultural and Food Chemistry, 2024, 72, 2789-2800.	5.2	0

#	ARTICLE	IF	CITATIONS
9568	JWST discovers an AGN ionization cone but only weak radiatively driven feedback in a powerful <i>z</i> â‰ˆ 3.5 radio-loud AGN. Astronomy and Astrophysics, 2024, 683, A169.	5.1	0
9569	E2Evideo: End toÂEnd Video andÂImage Pre-processing andÂAnalysis Tool. Lecture Notes in Computer Science, 2024, , 258-264.	1.3	0
9570	matscipy: materials science at the atomic scale with Python. Journal of Open Source Software, 2024, 9, 5668.	4.6	2
9571	á¹†itrogen footprint of Korean beef cattle farms: Scenarios toward more sustainable production. Nutrient Cycling in Agroecosystems, 2024, 128, 163-181.	2.2	0
9572	Multi-parameter tests of general relativity using Bayesian parameter estimation with principal component analysis for LISA. Results in Physics, 2024, 57, 107407.	4.1	0
9574	Informativeness of Feature Sets in Data with Missing Values. Lecture Notes in Networks and Systems, 2024, , 30-39.	0.7	0
9575	In Silico Study of Camptothecin-Based Pro-Drugs Binding to Human Carboxylesterase 2. Biomolecules, 2024, 14, 153.	4.0	0
9576	An Adaptive Spectral Method for Oscillatory Second-Order Linear ODEs with Frequency-Independent Cost. SIAM Journal on Numerical Analysis, 2024, 62, 295-321.	2.3	0
9577	Large language models improve annotation of prokaryotic viral proteins. Nature Microbiology, 2024, 9, 537-549.	13.3	2
9579	Fast Generation of Mock Galaxy Catalogs with COLA. Astrophysical Journal, Supplement Series, 2024, 270, 25.	7.7	0
9580	Linking Gene Fusions to Bone Marrow Failure and Malignant Transformation in Dyskeratosis Congenita. International Journal of Molecular Sciences, 2024, 25, 1606.	4.1	0
9581	The TESS-Keck Survey. XVII. Precise Mass Measurements in a Young, High-multiplicity Transiting Planet System Using Radial Velocities and Transit Timing Variations. Astronomical Journal, 2024, 167, 70.	4.7	0
9582	Fuel-Optimal Guidance of an Ultra-Long Endurance Aircraft. , 2024, , .		0
9583	Experimental Study of an Autonomous Power Supply System with a Special Type of Electric Drive. , 2023, , .		0
9585	Search for Hidden Patterns in the Study of Coronavirus Patients Using Data Mining Methods. Lecture Notes in Networks and Systems, 2024, , 325-334.	0.7	0
9586	A Dynamic Galaxy: Stellar Age Patterns across the Disk of M101. Astrophysical Journal, 2024, 961, 217.	4.5	0
9587	A GA-based model updating procedure for the numerical simulation of FRCM-to-masonry bond. Engineering Structures, 2024, 303, 117512.	5.3	0
9589	Blood Oxygen Saturation Estimation with Laser-Induced Graphene Respiration Sensor. Journal of Sensors, 2024, 2024, 1-10.	1.1	0

#	Article	IF	Citations
9590	Development and prognostic validation of a three-level NHG-like deep learning-based model for histological grading of breast cancer. Breast Cancer Research, 2024, 26, .	5.0	0
9591	High-throughput determination of Hubbard <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>U</mml:mi></mml:math> and Hund <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>J</mml:mi></mml:math> values for transition metal oxides via the linear response formalism. Physical Review Materials, 2024, 8, .	2.4	1
9592	GALAXY CRUISE: Spiral and ring classifications for bright galaxies at <i>z</i> = 0.01â€"0.3. Publication of the Astronomical Society of Japan, 2024, 76, 191-204.	2.5	1
9593	Optimization of Aero-gravity assisted maneuvers for spaceplanes at high atmospheric flight on Earth. , 2024, , .		0
9594	Meta-Analysis of Experimental Rotating Detonation Engines for Performance Trends. , 2024, , .		0
9595	Lattice QCD study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ι€</mml:mi><mml:mi mathvariant="normal">Σ</mml:mi><mml:mo>âˆ'</mml:mo><mml:mover accent="true"><mml:mi>K</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mi>N</mml:mi></mml:math> scattering and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>	4.7	2
9596	Gamma-ray Spectroscopy in Low-Power Nuclear Research Reactors. Journal of Nuclear Engineering, 2024, 5, 26-43.	1.6	0
9597	First frequency-domain phenomenological model of the multipole asymmetry in gravitational-wave signals from binary-black-hole coalescence. Physical Review D, 2024, 109, .	4.7	1
9598	Dynamical masses across the Hertzsprungâ€"Russell diagram. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4272-4288.	4.4	0
9599	Risk Prediction of Diabetic Foot Amputation Using Machine Learning and Explainable Artificial Intelligence. Journal of Diabetes Science and Technology, 0, , .	2.2	0
9600	Optical trapping of polystyrene beads in mixed solvents. Optics and Lasers in Engineering, 2024, 176, 108059.	3.8	0
9602	hillmaker: A Python package for occupancy analysis in discrete entity flow systems. Journal of Open Source Software, 2024, 9, 6154.	4.6	0
9603	Temporal Alterations in White Matter in An<i>App</i>Knock-In Mouse Model of Alzheimerâ€™s Disease. ENeuro, 2024, 11, ENEURO.0496-23.2024.	1.9	0
9604	Disentangling Multiple Emitting Components in Molecular Observations with Nonnegative Matrix Factorization. Astrophysical Journal, 2024, 961, 225.	4.5	0
9605	Dust Production Rates in Jupiter-family Comets: A Two Year Study with ATLAS Photometry. Planetary Science Journal, 2024, 5, 25.	3.6	0
9606	Two-Pole Nature of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1405</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 137 Td (stretchy="fa	1.3	2
9607	Distinct genomic contexts predict gene presenceâ€"absence variation in different pathotypes of <i>Magnaporthe oryzae</i>. Genetics, 2024, 226, .	2.9	0
9608	Anomaly Detection in Gas Turbines Using Outlet Energy Analysis with Cluster-Based Matrix Profile. Energies, 2024, 17, 653.	3.1	0

#	ARTICLE	IF	CITATIONS
9610	Evaluation of Inner Products of Implicitly Defined Finite Element Functions on Multiply Connected Planar Mesh Cells. SIAM Journal of Scientific Computing, 2024, 46, A338-A359.	2.8	0
9611	Striatal dopamine signals reflect perceived cueâ€"actionâ€"outcome associations in mice. Nature Neuroscience, 2024, 27, 747-757.	14.8	3
9612	Constraints on the Faint End of the Galaxy Stellar Mass Function at $z \approx 4$â€"8 from Deep JWST Data. Astrophysical Journal, 2024, 961, 207.	4.5	0
9613	Using AI for Wave-front Estimation with the Rubin Observatory Active Optics System. Astronomical Journal, 2024, 167, 86.	4.7	0
9615	Calibration and uncertainty quantification for Davis Equation of State models for the High Explosive PBX 9501 products. Propellants, Explosives, Pyrotechnics, 2024, 49, .	1.6	0
9616	Compact Symmetric Objects. I. Toward a Comprehensive Bona Fide Catalog. Astrophysical Journal, 2024, 961, 240.	4.5	3
9617	Estimation of auto-covariance of log hydraulic conductivity from Generalized Sub-Gaussian porosity and particle size random fields. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2024, 480, .	2.1	0
9618	Massive black holes in nuclear star clusters. Astronomy and Astrophysics, 2024, 682, A36.	5.1	0
9619	Detecting fast neutrino flavor conversions with machine learning. Physical Review D, 2024, 109, .	4.7	1
9620	Evidence of Weak Circumstellar Medium Interaction in the Type II SN 2023axu. Astrophysical Journal, 2024, 961, 247.	4.5	1
9621	Detection of CO(1â€"0) Emission at the Tips of the Tidal Tail in the Antennae Galaxies. Astrophysical Journal, 2024, 962, 4.	4.5	0
9622	Spinal <scp>fMRI</scp> demonstrates segmental organisation of functionally connected networks in the cervical spinal cord: <scp>A</scp> testâ€"retest reliability study. Human Brain Mapping, 2024, 45, .	3.6	0
9623	Atacama Cosmology Telescope: The persistence of neutrino self-interaction in cosmological measurements. Physical Review D, 2024, 109, .	4.7	1
9624	Improving crop-specific groundwater use estimation in the Mississippi Alluvial Plain: Implications for integrated remote sensing and machine learning approaches in data-scarce regions. Journal of Hydrology: Regional Studies, 2024, 52, 101674.	2.4	0
9625	Flight of the Bumblebee: the Early Excess Flux of Type Ia Supernova 2023bee Revealed by TESS, Swift, and Young Supernova Experiment Observations. Astrophysical Journal, 2024, 962, 17.	4.5	0
9626	The MeerKAT Absorption Line Survey (MALS) Data Release. I. Stokes I Image Catalogs at 1â€"1.4 GHz. Astrophysical Journal, Supplement Series, 2024, 270, 33.	7.7	0
9627	Geomorphology of the Makgadikgadi Basin (Botswana): Insight Into the Propagation of the East African Rift System. Tectonics, 2024, 43, .	2.8	0
9628	The prediction of single-molecule magnet properties via deep learning. IUCrJ, 2024, 11, 182-189.	2.2	0

#	Article	IF	Citations
9629	Accuracy of the explicit energy-conserving particle-in-cell method for under-resolved simulations of capacitively coupled plasma discharges. Physics of Plasmas, 2024, 31, .	1.9	1
9630	The Factory and the Beehive. V. Chromospheric and Coronal Activity and Its Dependence on Rotation in Praesepe and the Hyades. Astrophysical Journal, 2024, 962, 12.	4.5	0
9631	Anti-CRISPR Anopheles mosquitoes inhibit gene drive spread under challenging behavioural conditions in large cages. Nature Communications, 2024, 15, .	12.8	2
9632	The HERMES calibration pipeline: mescal. Astronomy and Computing, 2024, 46, 100797.	1.7	0
9633	The Asteroseismological Richness of RCB and dLHdC Stars. Astrophysical Journal, 2024, 962, 20.	4.5	0
9634	A New Cosmic-Ray Rejection Routine for HST WFC3/UVIS via Label-free Training of deepCR. Astrophysical Journal, 2024, 962, 7.	4.5	0
9636	Multitask Deep Learning for Joint Detection of Necrotizing Viral and Noninfectious Retinitis From Common Blood and Serology Test Data. , 2024, 65, 5.		0
9637	Comparison of two pupillometric measures as indicators of cognitive strain and under the influence of screen luminance. Applied Ergonomics, 2024, 117, 104242.	3.1	0
9638	Intelligent Fault Diagnosis for Low-Voltage Power Network. , 2023, , .		0
9639	thebeat: A Python package for working with rhythms and other temporal sequences. Behavior Research Methods, 0, , .	4.0	0
9640	Accelerating Pythonic Coupled-Cluster Implementations: A Comparison Between CPUs and GPUs. Journal of Chemical Theory and Computation, 2024, 20, 1130-1142.	5.3	0
9642	Temporal stability of tongue microbiota in older patients â€" A pilot study. Journal of Dental Sciences, 2024, 19, 1087-1095.	2.5	0
9643	Floating-point histograms for exploratory analysis of large scale real-world data sets. Intelligent Data Analysis, 2024, , 1-48.	0.9	0
9644	Recovery from desensitization in GluA2 AMPA receptors is affected by a single mutation in the N-terminal domain interface. Journal of Biological Chemistry, 2024, 300, 105717.	3.4	0
9645	<i>xrdPlanner</i>: exploring area detector geometries for powder diffraction and total scattering experiments. Journal of Synchrotron Radiation, 2024, 31, 394-398.	2.4	0
9646	A kinase to cytokine explorer to identify molecular regulators and potential therapeutic opportunities. ELife, 0, 12, .	6.0	0
9647	Quantification of the effect of in-utero events on lifetime resilience in dairy cows. Journal of Dairy Science, 2024, , .	3.4	0
9648	Machine learning enables non-Gaussian investigation of changes to peripheral nerves related to electrical stimulation. Scientific Reports, 2024, 14, .	3.3	0

#	Article	IF	Citations
9649	Hamiltonian switching control of noisy bipartite qubit systems. New Journal of Physics, 2024, 26, 023051.	2.9	0
9650	Lipidomics signature in post-COVID patient sera and its influence on the prolonged inflammatory response. Journal of Infection and Public Health, 2024, 17, 588-600.	4.1	1
9651	A Lens Finder Map to Check Claimed High-z Galaxies behind SMACS J0723.3-7327. Astrophysical Journal, 2024, 962, 30.	4.5	0
9652	Simulating the Photospheric to Coronal Plasma Using Magnetohydrodynamic Characteristics. I. Data-driven Boundary Conditions. Astrophysical Journal, Supplement Series, 2024, 270, 30.	7.7	0
9653	Inferring spin tilts of binary black holes at formation with plus-era gravitational wave detectors. Physical Review D, 2024, 109, .	4.7	0
9654	Discovering optimal features for neuron-type identification from extracellular recordings. Frontiers in Neuroinformatics, 0, 18, .	2.5	0
9655	An intuitive approach for spike removal in Raman spectra based on peaks' prominence and width. Analytica Chimica Acta, 2024, 1295, 342312.	5.4	0
9656	Stellar Atmospheric Parameters for Cool Dwarfs in Gaia Data Release 3. Astrophysical Journal, Supplement Series, 2024, 270, 32.	7.7	0
9657	Dynamics of baryon ejection in magnetar giant flares: implications for radio afterglows, r-process nucleosynthesis, and fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5323-5345.	4.4	0
9658	Tigerfish designs oligonucleotide-based in situ hybridization probes targeting intervals of highly repetitive DNA at the scale of genomes. Nature Communications, 2024, 15, .	12.8	0
9659	Adaptive kernel density estimation for improved sky map computation in gamma-ray astronomy. Astroparticle Physics, 2024, 158, 102934.	4.3	0
9660	Micromagnetic tomography: Numerical libraries. Computers and Geosciences, 2024, 185, 105555.	4.2	0
9661	Dynamic Transitive Closure-Based Static Analysis through the Lens of Quantum Search. ACM Transactions on Software Engineering and Methodology, 0, , .	6.0	0
9662	RatInABox, a toolkit for modelling locomotion and neuronal activity in continuous environments. ELife, 0, 13, .	6.0	0
9663	Two rest-frame wavelength measurements of galaxy sizes at z < 1: the evolutionary effects of emerging bulges and quenched newcomers. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4797-4828.	4.4	0
9664	Connectivity detection for automatic construction of building geometric digital twins. Automation in Construction, 2024, 159, 105281.	9.8	0
9665	*ProSPyX*: software for post-processing images of X-ray ptychography with spectral capabilities. Journal of Synchrotron Radiation, 2024, 31, 399-408.	2.4	0
9667	Capturing variation in daily energy demand profiles over time with cluster analysis in British homes (September 2019 – August 2022). Applied Energy, 2024, 360, 122683.	10.1	0

#	ARTICLE	IF	CITATIONS
9668	Open-Source Software forÂOnline Machine Learning. , 2024, , 97-104.		0
9669	Analysis of Using Machine Learning Techniques for Estimating Solar Panel Performance in Edge Sensor Devices. Applied Sciences (Switzerland), 2024, 14, 1296.	2.5	0
9670	Differentiable Bayesian Structure Learning with Acyclicity Assurance. , 2023, , .		0
9672	Computational Screening for mAb Colloidal Stability with Coarse-Grained, Molecular-Scale Simulations. Journal of Physical Chemistry B, 2024, 128, 1515-1526.	2.6	0
9673	Waveform-based classification of dentate spikes. Scientific Reports, 2024, 14, .	3.3	0
9674	Symmetry breaking at a topological phase transition. Physical Review B, 2024, 109, .	3.2	0
9675	Indicator designing for performance evaluation of collision avoidance algorithms programs on autonomous ships. Ocean Engineering, 2024, 295, 116810.	4.3	0
9676	Stratigraphy in space and time: A reproducible approach to analysis and visualization. Earth-Science Reviews, 2024, 250, 104706.	9.1	0
9677	The Directional Isotropy of LIGOâ€"Virgo Binaries. Astrophysical Journal, 2024, 962, 19.	4.5	0
9678	MxPL: A Programming Language for Matrix-Related Operations. Symmetry, 2024, 16, 181.	2.2	0
9679	An Algorithm to Mitigate Charge Migration Effects in Data from the Near Infrared Imager and Slitless Spectrograph on the James Webb Space Telescope*. Publications of the Astronomical Society of the Pacific, 2024, 136, 014503.	3.1	0
9680	JWST/NIRCam Transmission Spectroscopy of the Nearby Sub-Earth GJ 341b. Astronomical Journal, 2024, 167, 90.	4.7	0
9681	Protein structure generation via folding diffusion. Nature Communications, 2024, 15, .	12.8	3
9682	RABBITS â€" I. The crucial role of nuclear star formation in driving the coalescence of supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5080-5097.	4.4	0
9683	MUSE-ALMA Haloes X: the stellar masses of gas-rich absorbing galaxies. Monthly Notices of the Royal Astronomical Society, 2024, 528, 6159-6166.	4.4	0
9686	Simultaneous nanopore profiling of mRNA m6A and pseudouridine reveals translation coordination. Nature Biotechnology, 0, , .	17.5	0
9687	Investigations of bioinspired soil penetration strategies via a numerical model: Does radial expansion improve soil intruder performances?. Acta Geotechnica, 2024, 19, 1275-1293.	5.7	1
9688	Criss-cross Nebula: A Case Study of Shock Regions with Resolved Microstructures at Scales of â¬¼1000 au. Astrophysical Journal, 2024, 962, 51.	4.5	0

#	Article	IF	Citations
9689	Predicting the Timing of the Solar Cycle 25 Polar Field Reversal. Astrophysical Journal Letters, 2024, 962, L15.	8.3	0
9690	TESS Stellar Rotation up to 80 Days in the Southern Continuous Viewing Zone. Astrophysical Journal, 2024, 962, 47.	4.5	3
9691	Differentiable Cosmological Simulation with the Adjoint Method. Astrophysical Journal, Supplement Series, 2024, 270, 36.	7.7	0
9692	Opyrability: A Python package for process operability analysis. Journal of Open Source Software, 2024, 9, 5966.	4.6	0
9693	Geometric modeling of advanced cellular structures with skeletal graphs. International Journal of Mechanical Sciences, 2024, 270, 109087.	6.7	0
9694	A Massive Protocluster Anchored by a Luminous Quasar at z = 6.63. Astrophysical Journal Letters, 2024, 962, L11.	8.3	0
9695	Lightweight Photovoltaic Forecasting Method for Agricultural Microgrids. , 2023, , .		0
9697	Census for the rest-frame optical and UV morphologies of galaxies at <i>z</i> = 4–10: First phase of inside-out galaxy formation. Publication of the Astronomical Society of Japan, 2024, 76, 219-250.	2.5	0
9698	A Cacophony of Echoes from Daily Monitoring of the Crab Pulsar at Jodrell Bank. Astrophysical Journal, 2024, 962, 57.	4.5	0
9699	Prediction of Astrometric and Timing Microlensing Events with Pulsars by ATNF Catalog and Gaia DR3. Astrophysical Journal, 2024, 962, 56.	4.5	0
9700	Integrating programming-based modules into a materials characterization laboratory course to reinforce data science and scientific writing. , 0, , .		0
9701	Adaptive auditory assistance for stride length cadence modification in older adults and people with Parkinson's. Frontiers in Physiology, 0, 15, .	2.8	0
9702	Respecting causality for training physics-informed neural networks. Computer Methods in Applied Mechanics and Engineering, 2024, 421, 116813.	6.6	1
9703	Detecting non-thermal emission in a solar microflare using nested sampling. Monthly Notices of the Royal Astronomical Society, 2024, 529, 702-714.	4.4	0
9704	Pre-processing techniques to enhance the classification of lung sounds based on deep learning. Biomedical Signal Processing and Control, 2024, 92, 106009.	5.7	0
9705	KETCHUP: Parameterizing of large-scale kinetic models using multiple datasets with different reference states. Metabolic Engineering, 2024, 82, 123-133.	7.0	0
9706	Implementation and Evaluation of a Predictive Maintenance Course Utilizing Machine Learning. , 0, , .		0
9707	Transformative Progress in Document Digitization: An In-Depth Exploration of Machine and Deep Learning Models for Character Recognition. , 0, 2, 174.		0

#	ARTICLE	IF	CITATIONS
9708	The HST Nondetection of SN Ia 2011fe 11.5 yr after Explosion Further Restricts Single-degenerate Progenitor Systems. Astrophysical Journal, 2024, 962, 74.	4.5	0
9709	TRAILS: Tree reconstruction of ancestry using incomplete lineage sorting. PLoS Genetics, 2024, 20, e1010836.	3.5	0
9710	Kartograf: A Geometrically Accurate Atom Mapper for Hybrid-Topology Relative Free Energy Calculations. Journal of Chemical Theory and Computation, 2024, 20, 1862-1877.	5.3	0
9711	On the challenges of global entity-aware deep learning models for groundwater level prediction. Hydrology and Earth System Sciences, 2024, 28, 525-543.	4.9	0
9712	Discovery of a nova super-remnant cavity surrounding RSâ€‰Ophiuchi. Monthly Notices of the Royal Astronomical Society: Letters, 2023, 529, L175-L180.	3.3	0
9713	Strategies for optimal sky subtraction in the low surface brightness regime. Monthly Notices of the Royal Astronomical Society, 2024, 528, 4289-4306.	4.4	0
9714	Fully automated whole brain segmentation from rat MRI scans with a convolutional neural network. Journal of Neuroscience Methods, 2024, 405, 110078.	2.5	0
9715	Simple visualization of submicroscopic protein clusters with a phase-separation-based fluorescent reporter. Cell Systems, 2024, 15, 166-179.e7.	6.2	0
9716	Simulations of spin-driven AGN jets in gas-rich galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5432-5451.	4.4	0
9717	Soluble Semaphorin 4D Serum Concentrations Are Elevated in Critically Ill Patients with Liver Cirrhosis and Correlate with Aminotransferases. Diagnostics, 2024, 14, 370.	2.6	0
9718	Resolving cosmic star formation histories of present-day bulges, discs, and spheroids with <scp>ProFuse</scp>. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5452-5476.	4.4	0
9719	On the Spin Period Distribution of Millisecond Pulsars. Astrophysical Journal, 2024, 962, 80.	4.5	0
9720	The EDGE-CALIFA Survey: Molecular Gas and Star Formation Activity across the Green Valley. Astrophysical Journal, 2024, 962, 88.	4.5	2
9721	Xanthomonas immunity proteins protect against the cis-toxic effects of their cognate T4SS effectors. EMBO Reports, 2024, 25, 1436-1452.	4.5	0
9722	KPM: A Flexible and Data-driven K-process Model for Nucleosynthesis. Astronomical Journal, 2024, 167, 98.	4.7	0
9723	Eccentric Minidisks in Accreting Binaries. Astrophysical Journal, 2024, 962, 76.	4.5	0
9726	Features of adaptive training algorithms for improved complex skill acquisition. Frontiers in Virtual Reality, 0, 5, .	3.7	0
9727	Muted Features in the JWST NIRISS Transmission Spectrum of Hot Neptune LTT 9779b. Astrophysical Journal Letters, 2024, 962, L20.	8.3	0

#	ARTICLE	IF	CITATIONS
9729	Clonally heritable gene expression imparts a layer of diversity within cell types. Cell Systems, 2024, 15, 149-165.e10.	6.2	1
9730	AI on the Road: NVIDIA Jetson Nano-Powered Computer Vision-Based System for Real-Time Pedestrian and Priority Sign Detection. Applied Sciences (Switzerland), 2024, 14, 1440.	2.5	0
9731	Graph plotting of 1-D motion in introductory physics education using scripts generated by ChatGPT 3.5. Physics Education, 2024, 59, 025020.	0.5	0
9732	Novel thresholding method and convolutional neural network for fiber volume content determination from 3D <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.svg" display="inline" id="d1e1466"><mml:mi mathvariant="normal">μ</mml:mi></mml:math>CT images. NDT and E International, 2024, 144, 103067.	3.7	0
9733	A High-resolution Non-detection of Escaping Helium in the Ultrahot Neptune LTT 9779b: Evidence for Weakened Evaporation. Astrophysical Journal Letters, 2024, 962, L19.	8.3	0
9734	Active Galactic Nuclei Âand Host Galaxies in COSMOS-Web. I. NIRCam Images, Point-spread-function Models and Initial Results on X-Ray-selected Broad-line AGNsÂat 0.35 â‰² z â‰² 3.5. Astrophysical Journal, 2024, 962, 93.	4.5	1
9735	High-spectral-resolution Observations of the Optical Filamentary Nebula Surrounding NGC 1275. Astrophysical Journal, 2024, 962, 96.	4.5	0
9736	PARMESAN: Meteorological Timeseries and Turbulence Analysis Backed by Symbolic Mathematics. Journal of Open Source Software, 2024, 9, 6127.	4.6	0
9737	Training an automated circulating tumor cell classifier when the true classification is uncertain. , 2024, 3, .		0
9738	Ab initio electron-lattice downfolding: Potential energy landscapes, anharmonicity, and molecular dynamics in charge density wave materials. SciPost Physics, 2024, 16, .	4.9	0
9739	Olenekian sulfur isotope records: Deciphering global trends, links to marine redox changes and faunal evolution. Chemical Geology, 2024, 649, 121984.	3.3	0
9740	Retention of the RNA ends provides the molecular memory for maintaining the activation of the Csm complex. Nucleic Acids Research, 2024, 52, 3896-3910.	14.5	0
9741	Improving Hydrological Modeling with Hybrid Models: A Comparative Study of Different Mechanisms for Coupling Deep Learning Models with Process-based Models. Water Resources Management, 2024, 38, 2471-2488.	3.9	0
9742	The benefit of noise-injection for dynamic gray-box model creation. Advanced Engineering Informatics, 2024, 60, 102381.	8.0	0
9743	Novel principal component analysis tool based on <scp>python</scp> for analysis of complex spectra of time-of-flight secondary ion mass spectrometry. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2024, 42, .	2.1	0
9744	Transferability of atomic energies from alchemical decomposition. Journal of Chemical Physics, 2024, 160, .	3.0	1
9745	Long-term day-by-day tracking of microvascular networks sprouting in fibrin gels: From detailed morphological analyses to general growth rules. APL Bioengineering, 2024, 8, .	6.2	0
9746	Opening Pandora's box: diagnostics characters for the confuse taxonomy of the Brazilian <i>Cardiomya</i> (Bivalvia: Cuspidariidae). Journal of the Marine Biological Association of the United Kingdom, 2024, 104, .	0.8	0

#	ARTICLE	IF	CITATIONS
9747	Absorption Troughs of LyÎ± Emitters in HETDEX. Astrophysical Journal, 2024, 962, 102.	4.5	0
9748	Stellar Population Properties in the Stellar Streams around SPRC047. Astrophysical Journal, 2024, 962, 111.	4.5	0
9750	Male Pedigree Toolbox: A Versatile Software for Y-STR Data Analyses. Genes, 2024, 15, 227.	2.4	0
9751	Optimizing machine learning yield functions using query-by-committee for support vector classification with a dynamic stopping criterion. Computational Mechanics, 0, , .	4.0	0
9752	Clinical trials are becoming more complex: a machine learning analysis of data from over 16,000 trials. Scientific Reports, 2024, 14, .	3.3	0
9753	Aggressive Driver Behavior Detection Using Multi-Label Classification. , 2024, , .		0
9754	Dashing Growth Curves: a web application for rapid and interactive analysis of microbial growth curves. BMC Bioinformatics, 2024, 25, .	2.6	0
9755	The PHANGS-AstroSat Atlas of Nearby Star-forming Galaxies. Astrophysical Journal, Supplement Series, 2024, 271, 2.	7.7	0
9756	PB-LKS: a python package for predicting phageâ€"bacteria interaction through local K-mer strategy. Briefings in Bioinformatics, 2024, 25, .	6.5	0
9757	Human Activity Recognition through Smartphone Inertial Sensors with ML Approach. Engineering, Technology & Applied Science Research, 2024, 14, 12780-12787.	1.9	0
9758	Estimating the phase diagrams of deep eutectic solvents within an extensive chemical space. Communications Chemistry, 2024, 7, .	4.5	0
9760	Potential Effects of Climate Change in Saline Shallow Lakes in the North of Chile (Salar de Atacama,) Tj ETQq1 1 0.784314 rgBT /Over		0
9761	Behavioural variation facilitates coexistence and explains the functions of mixed-species groups of sympatric delphinids. Animal Behaviour, 2024, 210, 395-408.	1.9	0
9762	Inductive simulation of calorimeter showers with normalizing flows. Physical Review D, 2024, 109, .	4.7	1
9763	Jet Structure and Burst Environment of GRB 221009A. Astrophysical Journal, 2024, 962, 115.	4.5	0
9764	A Galactic Eclipse: The Small Magellanic Cloud Is Forming Stars in Two Superimposed Systems. Astrophysical Journal, 2024, 962, 120.	4.5	0
9765	System-Optimal Dynamic Traffic Assignment with Partial Users Control: An Analysis of Different Strategies. , 2023, , .		0
9766	Fast Extraction Algorithm of Planar Targets Based on Point Cloud Data for Monitoring the Synchronization of Bridge Jacking Displacements. Structural Control and Health Monitoring, 2024, 2024, 1-19.	4.0	0

#	ARTICLE	IF	CITATIONS
9767	Antibody agonists trigger immune receptor signaling through local exclusion of receptor-type protein tyrosine phosphatases. Immunity, 2024, 57, 256-270.e10.	14.3	1
9768	The Hubble Deep Hydrogen Alpha (HDHα) Project. I. Catalog of Emission-line Galaxies. Astrophysical Journal, Supplement Series, 2024, 271, 5.	7.7	0
9769	The Salient360! toolbox: Handling gaze data in 3D made easy. Computers and Graphics, 2024, 119, 103890.	2.5	0
9770	The JWST Advanced Deep Extragalactic Survey: Discovery of an Extreme Galaxy Overdensity at $z = 5.4$ with JWST/NIRCam in GOODS-S. Astrophysical Journal, 2024, 962, 124.	4.5	3
9771	Early Prediction of Characteristic Compressive Strength of Concrete Based on Mix Proportions Using Modified Dimensional Analysis. , 2024, , .		0
9772	On the pixel selection criterion for the calculation of the Pearson's correlation coefficient in fluorescence microscopy. Journal of Microscopy, 0, , .	1.8	0
9774	Use of Raman spectroscopy to study rat lung tissues for distinguishing asphyxia from sudden cardiac death. RSC Advances, 2024, 14, 5665-5674.	3.6	0
9775	Influence of pump laser fluence on ultrafast myoglobin structural dynamics. Nature, 2024, 626, 905-911.	27.8	3
9776	Gamma-Ray Burst Detection with Poisson-FOCuS and Other Trigger Algorithms. Astrophysical Journal, 2024, 962, 137.	4.5	1
9777	Axisymmetric High Spot Coverage on Exoplanet Host HD 189733 A. Astronomical Journal, 2024, 167, 107.	4.7	0
9778	Introduction to NumPy. Synthesis Lectures on Engineering Science and Technology, 2024, , 127-159.	0.2	0
9779	Crystal Structure Generation Based on Polyhedra Using Dual Periodic Graphs. Crystal Growth and Design, 2024, 24, 2168-2178.	3.0	0
9780	Differentiation of large extracellular vesicles in oral fluid: Combined protocol of small force centrifugation and sedimentation pattern analysis. , 2024, 3, .		0
9781	Vapor equilibrium models of accreting rocky planets demonstrate direct core growth by pebble accretion. Astronomy and Astrophysics, 2024, 683, A217.	5.1	0
9782	Characterization of JWST NIRCam PSFs and Implications for AGN+host Image Decomposition. Astrophysical Journal, 2024, 962, 139.	4.5	0
9783	Performance metrics to unleash the power of self-driving labs in chemistry and materials science. Nature Communications, 2024, 15, .	12.8	1
9784	Establishment of a non-Westernized gut microbiota in men who have sex with men is associated with sexual practices. Cell Reports Medicine, 2024, 5, 101426.	6.5	0
9785	Tapioca: a platform for predicting de novo protein–protein interactions in dynamic contexts. Nature Methods, 2024, 21, 488-500.	19.0	0

#	ARTICLE	IF	CITATIONS
9786	U-FLEX: Unsupervised Feature Learning withÂEvolutionary eXploration. Lecture Notes in Computer Science, 2024, , 364-378.	1.3	0
9787	Widespread alteration of protein autoinhibition in human cancers. Cell Systems, 2024, 15, 246-263.e7.	6.2	0
9788	MatNexus: A comprehensive text mining and analysis suite for materials discovery. SoftwareX, 2024, 26, 101654.	2.6	0
9789	Functional subtypes of synaptic dynamics in mouse and human. Cell Reports, 2024, 43, 113785.	6.4	0
9790	Near-Infrared photometry of Neptuneâ€™s small regular satellites with Keck. Icarus, 2024, 413, 116004.	2.5	0
9791	Assessment of intracranial aneurysm rupture risk using a point cloud-based deep learning model. Frontiers in Physiology, 0, 15, .	2.8	0
9792	Systematic SARS-CoV-2 S-gene sequencing in wastewater samples enables early lineage detection and uncovers rare mutations in Portugal. Science of the Total Environment, 2024, 921, 170961.	8.0	0
9793	Smart Management of Electric Vehicle Chargers Through Reinforcement Learning. , 2024, , .		0
9794	Unveiling predictive insights for enhanced performance of PVDF-based nanogenerators via machine learning modeling. Chemical Engineering Journal, 2024, 484, 149661.	12.7	0
9795	ColabSeg: An interactive tool for editing, processing, and visualizing membrane segmentations from cryo-ET data. Journal of Structural Biology, 2024, 216, 108067.	2.8	0
9796	Genetic Programming withÂSynthetic Data forÂInterpretable Regression Modelling andÂLimited Data. Lecture Notes in Computer Science, 2024, , 142-157.	1.3	0
9797	CIRCUS: an autonomous control system for antimatter, atomic and quantum physics experiments. EPJ Quantum Technology, 2024, 11, .	6.3	0
9798	Prospects for Detecting Gaps in Globular Cluster Stellar Streams in External Galaxies with the Nancy Grace Roman Space Telescope. Astrophysical Journal, 2024, 962, 151.	4.5	0
9799	Pressure Anisotropy in Polymer Brushes and Its Effects on Wetting. Langmuir, 2024, 40, 4401-4409.	3.5	0
9800	Nitrogen Nutrition Modulates the Response to Alternaria brassicicola Infection via Metabolic Modifications in Arabidopsis Seedlings. Plants, 2024, 13, 534.	3.5	0
9801	Tailoring Hot-Carrier Distributions of Plasmonic Nanostructures through Surface Alloying. ACS Nano, 2024, 18, 6398-6405.	14.6	0
9802	*JWST* spectroscopy of *z* â˜¼ 5â€"8 UV-selected galaxies: new constraints on the evolution of the Lyâ‰¡Î± escape fraction in the reionization era. Monthly Notices of the Royal Astronomical Society, 2024, 528, 7052-7075.	4.4	1
9803	Cyclodextrins: Establishing building blocks for AI-driven drug design by determining affinity constants in silico. Computational and Structural Biotechnology Journal, 2024, 23, 1117-1128.	4.1	0

#	Article	IF	Citations
9804	p-adic distance and k-Nearest Neighbor classification. Neurocomputing, 2024, 578, 127400.	5.9	0
9805	A user-friendly system for identifying the optimal insertion direction and to choose the best pedicle screws for patient-specific spine surgery. Heliyon, 2024, 10, e26334.	3.2	0
9806	Torque wiggles â€" a robust feature of the global discâ€"planet interaction. Monthly Notices of the Royal Astronomical Society, 2024, 529, 425-443.	4.4	0
9807	Do We Really Need Imputation in AutoML Predictive Modeling?. ACM Transactions on Knowledge Discovery From Data, 2024, 18, 1-64.	3.5	0
9808	Orbital Torus Imaging: Acceleration, Density, and Dark Matter in the Galactic Disk Measured with Element Abundance Gradients. Astrophysical Journal, 2024, 962, 165.	4.5	0
9809	Multimass modelling of milky way globular clusters â€" II. Present-day black hole populations. Monthly Notices of the Royal Astronomical Society, 2024, 529, 331-347.	4.4	0
9810	Is Betelgeuse Really Rotating? Synthetic ALMA Observations of Large-scale Convection in 3D Simulations of Red Supergiants. Astrophysical Journal Letters, 2024, 962, L36.	8.3	1
9811	Generative Adversarial Networks for Brain MRI Synthesis: Impact of Training Set Size on Clinical Application. , 0, , .		0
9812	Fault Detection and Diagnosis of Rotor Broken Bars Using Artificial Intelligence. , 2023, , .		0
9813	<tt>ALPACA</tt>: a new semi-analytical model for metal absorption lines emerging from clumpy galactic environments. Monthly Notices of the Royal Astronomical Society, 2024, 529, 444-463.	4.4	0
9814	Validated WGS and WES protocols proved saliva-derived gDNA as an equivalent to blood-derived gDNA for clinical and population genomic analyses. BMC Genomics, 2024, 25, .	2.8	0
9815	Pipeline Leakage Detection viaÂExtreme Seeking Entropy. Lecture Notes in Networks and Systems, 2024, , 67-74.	0.7	0
9816	The dynamical evolution of star-forming regions measured with INDICATE. Monthly Notices of the Royal Astronomical Society, 2024, 528, 7477-7491.	4.4	0
9817	The boundary element method for acoustic transmission with nonconforming grids. Journal of Computational and Applied Mathematics, 2024, 445, 115838.	2.0	0
9818	Experimental target strength measurements of pteropods and shrimp emphasize the importance of scattering model inputs. ICES Journal of Marine Science, 0, , .	2.5	0
9819	How space-charge behaviour at grain boundaries in electroceramic oxides is modified by two restricted equilibria. Physical Chemistry Chemical Physics, 2024, 26, 8287-8298.	2.8	0
9820	MORe DWR: Space-time goal-oriented error control for incremental POD-based ROM for time-averaged goal functionals. Journal of Computational Physics, 2024, 504, 112863.	3.8	0
9821	Sparse Graph Neural Networks withÂScikit-Network. Studies in Computational Intelligence, 2024, , 16-24.	0.9	0

#	Article	IF	Citations
9822	Cerebrovascular Responses in a Patient with Lundberg B Waves Following Subarachnoid Haemorrhage Assessed with a Novel Non-Invasive Brain Pulse Monitor: A Case Report. Medical Devices: Evidence and Research, 0, Volume 17, 73-87.	0.8	0
9823	Evolution of the Sizeâ€"Mass Relation of Star-forming Galaxies Since z = 5.5 Revealed by CEERS. Astrophysical Journal, 2024, 962, 176.	4.5	0
9824	Ensuring Consistency between Noise and Detection in Hierarchical Bayesian Inference. Astrophysical Journal, 2024, 962, 169.	4.5	0
9825	The Weird and the Wonderful in Our Solar System: Searching for Serendipity in the Legacy Survey of Space and Time. Astronomical Journal, 2024, 167, 118.	4.7	0
9826	Baryonic properties of nearby galaxies across the stellar-to-total dynamical mass relation. Nature Astronomy, 0, , .	10.1	0
9827	A least-cost network neutral landscape model of human sites and routes. Landscape Ecology, 2024, 39, .	4.2	0
9828	Computing tools for effective field theories. European Physical Journal C, 2024, 84, .	3.9	0
9829	An X-Ray Synchrotron Shell and a Pulsar: The Peculiar Supernova Remnant G32.4+0.1. Astrophysical Journal, 2024, 962, 179.	4.5	0
9830	An Efficient and Effective Image Decolorization Algorithm Based on Cumulative Distribution Function. Journal of Imaging, 2024, 10, 51.	3.0	0
9831	Local structural investigation across the magnetic transition in the type-II multiferroic material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>FeVO</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2024, 109, .	3.2	0
9833	Time Variability of FUV Emission from Cool Stars on Multi-year Timescales. Publications of the Astronomical Society of the Pacific, 2024, 136, 024202.	3.1	0
9834	Arrow Matrix Decomposition: A Novel Approach for Communication-Efficient Sparse Matrix Multiplication. , 2024, , .		0
9835	Hunting for Hydrated Minerals on Trans-Neptunian Objects. Planetary Science Journal, 2024, 5, 42.	3.6	0
9836	Electrochemical Impedance Spectroscopy (EIS) and non-linear harmonic analysis (NHA) of Li-SOCl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si34.svg" display="inline" id="d1e333"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>/SO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si34.svg" display="inline" id="d1e341"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>/	5.2	0
9837	Revisiting Seizure Prediction with Path Signatures: the Limitations of System Identification. , 2024, , .		0
9838	Measuring neutrino mass and asymmetry with matter pairwise velocities. Monthly Notices of the Royal Astronomical Society, 2024, 529, 360-373.	4.4	0
9839	A spectral finite element Reissnerâ€"Mindlin shell formulation with NURBS-based geometry definition. Computational Mechanics, 0, , .	4.0	0
9840	Accelerating spiking neural network simulations with PymoNNto and PymoNNtorch. Frontiers in Neuroinformatics, 0, 18, .	2.5	0

#	ARTICLE	IF	CITATIONS
9841	Smartphone-based colorimetric method for decentralized wastewater treatment monitoring by inexperienced users. Chemometrics and Intelligent Laboratory Systems, 2024, 246, 105087.	3.5	0
9842	Sources of uncertainty in satellite-derived chlorophyll-a concentrationâ€"An Adriatic Sea case study. International Journal of Applied Earth Observation and Geoinformation, 2024, 128, 103727.	1.9	0
9843	Blind spots and biases: The dangers of ignoring eccentricity in gravitational-wave signals from binary black holes. Physical Review D, 2024, 109, .	4.7	0
9844	Extreme Variability Quasars in Their Various States. II. Spectral Variation Revealed with Multiepoch Spectra. Astrophysical Journal, 2024, 963, 7.	4.5	0
9845	A-SOiD, an active-learning platform for expert-guided, data-efficient discovery of behavior. Nature Methods, 2024, 21, 703-711.	19.0	0
9846	Effect of conduction drying on nutrient and fatty acid profiles: a comparative analysis of hazelnuts and walnuts. Frontiers in Sustainable Food Systems, 0, 8, .	3.9	0
9847	Near-real-time 3D Reconstruction of the Solar Coronal Parameters Based on the Magnetohydrodynamic Algorithm outside a Sphere Using Deep Learning. Astrophysical Journal, Supplement Series, 2024, 271, 14.	7.7	0
9848	Probing efficient microbial CO_2 utilisation through metabolic and process modelling. Microbial Biotechnology, 2024, 17, .	4.2	0
9849	Universal Digital High-Resolution Melt Analysis for the Diagnosis of Bacteremia. Journal of Molecular Diagnostics, 2024, 26, 349-363.	2.8	0
9851	Automated Scheduling of Doppler Exoplanet Observations at Keck Observatory. Astronomical Journal, 2024, 167, 122.	4.7	0
9852	The highest mass Kepler red giants â€" I. Global asteroseismic parameters of 48 stars. Monthly Notices of the Royal Astronomical Society, 2024, 528, 7397-7410.	4.4	0
9853	Advanced process integration and machine learning-based optimization to enhance techno-economic-environmental performance of CO2 capture and conversion to methanol. Energy, 2024, 293, 130758.	8.8	0
9854	Enhanced Subkiloparsec-scale Star Formation: Results from a JWST Size Analysis of 341 Galaxies at 5 < z < 14. Astrophysical Journal, 2024, 963, 9.	4.5	0
9855	Epistasis between mutator alleles contributes to germline mutation spectrum variability in laboratory mice. ELife, 0, 12, .	6.0	0
9856	Bioframe: operations on genomic intervals in *Pandas* dataframes. Bioinformatics, 2024, 40, .	4.1	0
9857	Laboratory-assessed gait cycle entropy for classifying walking limitations among community-dwelling older adults. Experimental Gerontology, 2024, 188, 112381.	2.8	0
9858	SARS-CoV-2-infection- and vaccine-induced antibody responses are long lasting with an initial waning phase followed by a stabilization phase. Immunity, 2024, 57, 587-599.e4.	14.3	0
9860	Multi-scale V-net architecture with deep feature CRF layers for brain extraction. Communications Medicine, 2024, 4, .	4.2	0

#	Article	IF	Citations
9861	Predicting postoperative systolic dysfunction in mitral regurgitation: CT vs. echocardiography. Frontiers in Cardiovascular Medicine, 0, 11, .	2.4	0
9862	Formation of Unipolar Outflow and Protostellar Rocket Effect in Magnetized Turbulent Molecular Cloud Cores. Astrophysical Journal, 2024, 963, 20.	4.5	0
9863	Evaluation of Pulmonary Nodules by Radiologists vs. Radiomics in Stand-Alone and Complementary CT and MRI. Diagnostics, 2024, 14, 483.	2.6	0
9864	A Detection of Cosmological 21 cm Emission from CHIME in Cross-correlation with eBOSS Measurements of the Lyl± Forest. Astrophysical Journal, 2024, 963, 23.	4.5	0
9865	Ion-Induced PIP2 Clustering with Martini3: Modification of Phosphateâ€"Ion Interactions and Comparison with CHARMM36. Journal of Physical Chemistry B, 2024, 128, 2134-2143.	2.6	0
9866	Looking in the axion mirror: An all-sky analysis of stimulated decay. Physical Review D, 2024, 109, .	4.7	0
9867	Augmented Intelligence for Clinical Discovery in Hypertensive Disorders of Pregnancy Using Outlier Analysis. Cureus, 2023, , .	0.5	0
9868	ReBack: recommending backports in social coding environments. Automated Software Engineering, 2024, 31, .	2.9	0
9869	Bar-driven Gas Dynamics of M31. Astrophysical Journal, 2024, 963, 22.	4.5	0
9870	Open hardware solutions in quantum technology. , 2024, 1, .		0
9871	Greedy centroid initialization for federated K-means. Knowledge and Information Systems, 0, , .	3.2	0
9872	Mapping icebergs in sea ice: An analysis of seasonal SAR backscatter at C- and L-band. Remote Sensing of Environment, 2024, 304, 114074.	11.0	0
9873	â€œHigh-throughput screening of catalytically active inclusion bodies using laboratory automation and Bayesian optimizationâ€• Microbial Cell Factories, 2024, 23, .	4.0	0
9874	Harvesting Insights from the Sky: Satellite-Powered Automation for Detecting Mowing Based on Predicted Compressed Sward Heights. Applied Sciences (Switzerland), 2024, 14, 1923.	2.5	0
9875	Developing a phantom for simulating robotic-assisted complete mesocolic excision using 3D printing and medical imaging. BMC Surgery, 2024, 24, .	1.3	0
9876	X-rays, electrons, and neutrons as probes of atomic matter. Structure, 2024, 32, 630-643.e6.	3.3	0
9877	Understanding key factors in automated vehicle collisions: Automating data extraction and analyzing key insights using explainable AI. Journal of Transportation Safety and Security, 0, , 1-24.	1.6	0
9878	Long Short-Term Deterministic Policy Gradient forÂJoint Optimization ofÂComputational Offloading andÂResource Allocation inÂMEC. Lecture Notes in Computer Science, 2024, , 329-348.	1.3	0

#	ARTICLE	IF	CITATIONS
9879	The Optimization of a Natural Language Processing Approach for the Automatic Detection of Alzheimer's Disease Using GPT Embeddings. Brain Sciences, 2024, 14, 211.	2.3	0
9880	The Spatial Distribution of Type Ia Supernovae within Host Galaxies. Astronomical Journal, 2024, 167, 131.	4.7	0
9881	A stochastic method for solving time-fractional differential equations. Computers and Mathematics With Applications, 2024, 159, 240-253.	2.7	0
9882	Convergence of successive linear programming algorithms for noisy functions. Computational Optimization and Applications, 0, , .	1.6	0
9883	Structural insights into the morpholino nucleic acid/RNA duplex using the new XNA builder Ducque in a molecular modeling pipeline. Nucleic Acids Research, 2024, 52, 2836-2847.	14.5	0
9884	Modeling Transformation Pathways of European Final Energy Consumption in the Transport and Buildings Sector Using Country Clustering. Energy Technology, 0, , .	3.8	0
9889	IRIS^{2+}: A Comprehensive Database of Stratified Thermodynamic Models in the Low Solar Atmosphere. Astrophysical Journal, Supplement Series, 2024, 271, 24.	7.7	0
9895	Evaluation of Corrosion Performance of AZ31 Mg Alloy in Physiological and Highly Corrosive Solutions. ACS Applied Bio Materials, 2024, 7, 1735-1747.	4.6	0
9896	CACTUS: A Comprehensive Abstraction and Classification Tool for Uncovering Structures. ACM Transactions on Intelligent Systems and Technology, 2024, 15, 1-23.	4.5	0
9897	Direct N-body Simulations of Satellite Formation around Small Asteroids: Insights from DART's Encounter with the Didymos System. Planetary Science Journal, 2024, 5, 54.	3.6	0
9898	Host and viral determinants of airborne transmission of SARS-CoV-2 in the Syrian hamster. ELife, 0, 12, .	6.0	0
9899	Extracting linear and nonlinear quasinormal modes from black hole merger simulations. Physical Review D, 2024, 109, .	4.7	0
9900	Applying a genetic risk score model to enhance prediction of future multiple sclerosis diagnosis at first presentation with optic neuritis. Nature Communications, 2024, 15, .	12.8	0
9901	Approximating Higher-Order Derivative Tensors Using Secant Updates. SIAM Journal on Optimization, 2024, 34, 893-917.	2.0	0
9902	A Solution for the Density Dichotomy Problem of Kuiper Belt Objects with Multispecies Streaming Instability and Pebble Accretion. Planetary Science Journal, 2024, 5, 55.	3.6	0
9903	Response surface methodology optimizes selenium inhibition of prostate cancer PC-3 cell viability. Journal of Trace Elements in Medicine and Biology, 2024, 84, 127414.	3.0	0
9904	pygwb: a Python-based library for gravitational-wave background searches. Journal of Open Source Software, 2024, 9, 5454.	4.6	0
9905	Understanding social dynamics and patient experience in out of hospital care: validation of a co-responsibility questionnaire (CoReCare). Scientific Reports, 2024, 14, .	3.3	0

#	Article	IF	Citations
9906	Most of the photons that reionized the Universe came from dwarf galaxies. Nature, 2024, 626, 975-978.	27.8	0
9907	Data leakage inflates prediction performance in connectome-based machine learning models. Nature Communications, 2024, 15, .	12.8	0
9908	A Massive Quiescent Galaxy in a Group Environment at z = 4.53. Astrophysical Journal, 2024, 963, 49.	4.5	0
9909	3D Facial Reconstruction from a Single Image Using a Hybrid Model Based on 3DMM and Deep Learning. Lecture Notes in Computer Science, 2024, , 115-126.	1.3	0
9911	Thermodynamic Analysis of Silk Fibroinâ€"Graphite Hybrid Materials and Their Morphology. Journal of Physical Chemistry B, 2024, 128, 2371-2380.	2.6	0
9912	Modular segmentation, spatial analysis and visualization of volume electron microscopy datasets. Nature Protocols, 0, , .	12.0	0
9913	Quantifying the Effects of Known Unknowns on Inferred High-redshift Galaxy Properties: Burstiness, IMF, and Nebular Physics. Astrophysical Journal, 2024, 963, 74.	4.5	0
9914	PyBADS: Fast and robust black-box optimization in Python. Journal of Open Source Software, 2024, 9, 5694.	4.6	0
9915	Python-Based Algorithm for Estimating the Parameters of Physical Property Models for Substances Not Available in Database. ACS Omega, 2024, 9, 11895-11909.	3.5	0
9916	Rapid simulation of glycoprotein structures by grafting and steric exclusion of glycan conformer libraries. Cell, 2024, 187, 1296-1311.e26.	28.9	0
9917	Comparative genomics identifies genetic markers linked to structural variations that differentiate <i>Puccinia graminis tritici</i> and <i>secalis formae speciales</i>. Plant Pathology, 0, , .	2.4	0
9918	The emergence of compositionality in a brain-inspired cognitive architecture. Cognitive Systems Research, 2024, 86, 101215.	2.7	0
9921	Toward Verification of DAG-Based Distributed Ledger Technologies through Discrete-Event Simulation. Sensors, 2024, 24, 1583.	3.8	0
9922	Submillimeter-wavelength Polarimetry of IRC+10216. Astrophysical Journal, 2024, 963, 76.	4.5	0
9923	Assessing Sensor Integrity for Nuclear Waste Monitoring Using Graph Neural Networks. Sensors, 2024, 24, 1580.	3.8	0
9924	Validation of the brain health index in the European Prevention of Alzheimer's Dementia cohort. Cerebral Circulation - Cognition and Behavior, 2024, 6, 100214.	0.9	0
9925	Fourier Methods. , 2024, , 5569-5615.		0
9926	A gut microbial signature for combination immune checkpoint blockade across cancer types. Nature Medicine, 2024, 30, 797-809.	30.7	0

#	Article	IF	Citations
9927	On the Existence, Rareness, and Uniqueness of Quenched H i-rich Galaxies in the Local Universe. Astrophysical Journal, 2024, 963, 86.	4.5	0
9928	A Large and Variable Leading Tail of Helium in a Hot Saturn Undergoing Runaway Inflation. Astronomical Journal, 2024, 167, 142.	4.7	0
9929	The Mass of the Large Magellanic Cloud from the Three-dimensional Kinematics of Its Globular Clusters. Astrophysical Journal, 2024, 963, 84.	4.5	0
9930	A Fast Radio Burst in a Compact Galaxy Group at z â̂¼ 1. Astrophysical Journal Letters, 2024, 963, L34.	8.3	0
9931	Measuring data drift with the unstable population indicator1. Data Science, 2024, , 1-12.	0.9	0
9932	The Mira Distance to M101 and a 4% Measurement of H $_0$. Astrophysical Journal, 2024, 963, 83.	4.5	0
9933	Phi_extrm{ML}: Intuitive Scientific Computing with Dimension Types for Jax, PyTorch, TensorFlow & NumPy. Journal of Open Source Software, 2024, 9, 6171.	4.6	0
9934	Magnifying Networks for Histopathological Images with Billions of Pixels. Diagnostics, 2024, 14, 524.	2.6	0
9935	Reanalysis of Immunopeptidomics Datasets Provides Mechanistic Insight into TAPBPR-Mediated Peptide Editing on HLA-A, -B and -C Molecules. Wellcome Open Research, 0, 9, 113.	1.8	0
9936	drexml: A command line tool and Python package for drug repurposing. Computational and Structural Biotechnology Journal, 2024, 23, 1129-1143.	4.1	0
9937	MRI Segmentation of Musculoskeletal Components Using U-Net: Preliminary Results. , 2024, , .		0
9938	Sexually dimorphic control of affective state processing and empathic behaviors. Neuron, 2024, 112, 1498-1517.e8.	8.1	0
9939	Introducing the Condor array telescope II â€" deep imaging observations of the edge-on spiral galaxy NGCÂ5907 and the NGCÂ5866 Group: yet another view of the iconic stellar stream. Monthly Notices of the Royal Astronomical Society, 2024, 529, 197-211.	4.4	0
9940	The Orbital Geometries and Stellar Obliquities of Exoplanet-hosting Multistar Systems. Astronomical Journal, 2024, 167, 126.	4.7	0
9942	Hound: a novel tool for automated mapping of genotype to phenotype in bacterial genomes assembled <i>de novo</i>. Briefings in Bioinformatics, 2024, 25, .	6.5	0
9943	PRFect: a tool to predict programmed ribosomal frameshifts in prokaryotic and viral genomes. BMC Bioinformatics, 2024, 25, .	2.6	0
9944	The Inner Disk Rim of HD 163296: Linking Radiative Hydrostatic Models with Infrared Interferometry. Astronomical Journal, 2024, 167, 124.	4.7	0
9946	DNA Barcoding of Invasive Terrestrial Plant Species in India. Molecular Biotechnology, 0, , .	2.4	0

#	Article	IF	Citations
9947	Rising sea levels and the increase of shoreline wave energy at American Samoa. Scientific Reports, 2024, 14, .	3.3	0
9948	Rush regression workbench: An integrated open-source application for regression modeling and analysis in healthcare analytics. Healthcare Analytics, 2024, 5, 100314.	4.3	0
9949	CLASS Angular Power Spectra and Map-component Analysis for 40 GHz Observations through 2022. Astrophysical Journal, 2024, 963, 92.	4.5	0
9950	Introducing the Condor Array Telescope â€" III. The expansion and age of the shell of the dwarf nova Z Camelopardalis, and detection of a second, larger shell. Monthly Notices of the Royal Astronomical Society, 2024, 529, 212-223.	4.4	0
9951	Introducing the Condor Array Telescope â€" IV. A possible nova super-remnant surrounding the putative recurrent nova KT Eridani. Monthly Notices of the Royal Astronomical Society, 2024, 529, 224-235.	4.4	0
9952	BIMBAMBUM: A potential flow solver for single cavitation bubble dynamics. Computer Physics Communications, 2024, 299, 109150.	7.5	0
9953	A density functional tight-binding based strategy for modeling ion bombardment and its application to Ar bombardment of silicon nitride. Journal of Applied Physics, 2024, 135, .	2.5	0
9954	Comparison of Machine Learning Techniques of Damage Detection in Pipes Using Image Classification. Advances in Logistics, Operations, and Management Science Book Series, 2024, , 237-247.	0.4	0
9955	Coronagraphic Data Post-processing Using Projections on Instrumental Modes. Astrophysical Journal, 2024, 963, 96.	4.5	0
9956	PyPWA: A software toolkit for parameter optimization and amplitude analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2024, 1062, 169150.	1.6	0
9958	Unraveling the molecular dynamics of sugammadex-rocuronium complexation: A blueprint for cyclodextrin drug design. Carbohydrate Polymers, 2024, 334, 122018.	10.2	0
9959	Addressing the Contrast Media Recognition Challenge. Investigative Radiology, 0, , .	6.2	0
9961	Do Faculae Affect Autocorrelation Rotation Periods in Sun-like Stars?. Astrophysical Journal, 2024, 963, 102.	4.5	0
9962	A New Database of Giant Impacts over a Wide Range of Masses and with Material Strength: A First Analysis of Outcomes. Planetary Science Journal, 2024, 5, 59.	3.6	0
9963	Strongly lensed extreme mass-ratio inspirals. Physical Review D, 2024, 109, .	4.7	0
9964	MIDIS: JWST NIRCam and MIRI Unveil the Stellar Population Properties of LyÎ± Emitters and Lyman-break Galaxies at $z \simeq 3$â€"7. Astrophysical Journal, 2024, 963, 97.	4.5	0
9965	Quantifying the thickness of WTe2 using atomic-resolution STEM simulations and supervised machine learning. Journal of Chemical Physics, 2024, 160, .	3.0	0
9966	Chemical Cartography of the Sagittarius Stream with Gaia. Astrophysical Journal, 2024, 963, 95.	4.5	0

#	ARTICLE	IF	CITATIONS
9967	Reactivity and stability in facial expressions as an indicator of therapeutic alliance strength. Psychotherapy Research, 0, , 1-15.	1.8	0
9968	Unveiling the Merger Structure of Black Hole Binaries in Generic Planar Orbits. Physical Review Letters, 2024, 132, .	7.8	0
9969	Analyzing the Impact Factors of Occupational Struck-By Fatality with the Random Forest Model. , 2024, , .		0
9970	High-throughput UAV-based rice panicle detection and genetic mapping of heading-date-related traits. Frontiers in Plant Science, 0, 15, .	3.6	0
9971	Reconstructing warm-season temperatures using brGDGTs and assessing biases in Holocene temperature records in northern Fennoscandia. Quaternary Science Reviews, 2024, 329, 108555.	3.0	0
9972	Data visualization techniques for the identification of missing values in dairy farming. AIP Conference Proceedings, 2024, , .	0.4	0
9973	X-ray stacking reveals average SMBH accretion properties of star-forming galaxies and their cosmic evolution over 4 ≲ z ≲ 7. Monthly Notices of the Royal Astronomical Society, 2024, 529, 926-940.	4.4	0
9974	Development and utility of a clinical research informatics application for participant recruitment and workflow management for a return of results pilot trial in familial hypercholesterolemia in the Million Veteran Program. JAMIA Open, 2024, 7, .	2.0	0
9975	A supervised U-Net based color image semantic segmentation for detection & classification of human intestinal parasites. E-Prime, 2022, 2, 100069.	2.0	0
9976	Simultaneous, cortex-wide dynamics of up to 1 million neurons reveal unbounded scaling of dimensionality with neuron number. Neuron, 2024, , .	8.1	0
9977	Searching for ringdown higher modes with a numerical relativity-informed post-merger model. European Physical Journal C, 2024, 84, .	3.9	0
9978	GBT/Argus Observations of Molecular Gas in the Inner Regions of IC 342. Astrophysical Journal, 2024, 963, 117.	4.5	0
9979	Earthquake-Induced Liquefaction Manifestation Multiclass Prediction Utilizing Random Forests for the Canterbury Earthquake Sequence. , 2024, , .		0
9980	Bottom-Illuminated Photothermal Nanoscale Chemical Imaging with a Flat Silicon ATR in Air and Liquid. Analytical Chemistry, 2024, 96, 4410-4418.	6.5	0
9982	Estuarine environmental flow assessment based on the flow-ecological health index relation model: a case study in Yangtze River Estuary, China. Environmental Monitoring and Assessment, 2024, 196, .	2.7	0
9983	PyHeatDemand - Processing Tool for Heat Demand Data. Journal of Open Source Software, 2024, 9, 6275.	4.6	0
9984	A concerted neuron–astrocyte program declines in ageing and schizophrenia. Nature, 2024, 627, 604-611.	27.8	0
9985	Operating minimally intelligent agent-based manufacturing systems across the Average demand Interval – coefficient of variation (ADI-CV) demand state space. Production and Manufacturing Research, 2024, 12, .	1.5	0

#	ARTICLE	IF	CITATIONS
9986	Little Red Dots: An Abundant Population of Faint Active Galactic Nuclei at z â˜¼ 5 Revealed by the EIGER and FRESCO JWST Surveys. Astrophysical Journal, 2024, 963, 129.	4.5	0
9988	GPAW: An open Python package for electronic structure calculations. Journal of Chemical Physics, 2024, 160, .	3.0	0
9989	A Wave-corrected Assessment of the Local Midplane. Astrophysical Journal, 2024, 963, 136.	4.5	0
9990	An Integrated Multi-Source Dataset for Measuring Settlement Evolution in the United States from 1810 to 2020. Scientific Data, 2024, 11, .	5.3	0
9991	The cortical representation of language timescales is shared between reading and listening. Communications Biology, 2024, 7, .	4.4	0
9992	The NANOGrav 12.5 yr Data Set: A Computationally Efficient Eccentric Binary Search Pipeline and Constraints on an Eccentric Supermassive Binary Candidate in 3C 66B. Astrophysical Journal, 2024, 963, 144.	4.5	0
9993	Multiwavelength Pulsations and Surface Temperature Distribution in the Middle-aged Pulsar B1055â€"52. Astrophysical Journal, 2024, 963, 138.	4.5	0
9994	TensorTable: Extending PyTorch for mixed relational and linear algebra pipelines. BenchCouncil Transactions on Benchmarks, Standards and Evaluations, 2024, 4, 100161.	3.1	0
9995	Be prepared for interruptions: EEG correlates of anticipation when dealing with task interruptions and the role of aging. Scientific Reports, 2024, 14, .	3.3	0
9996	The Reliability of Accretion Disk Inclination Derived from X-Ray Spectroscopy of Active Galaxies. Astrophysical Journal, 2024, 963, 152.	4.5	0
9997	Molecular Crowding Alters the Interactions of Polymyxin Lipopeptides within the Periplasm of <i>E. coli</i>: Insights from Molecular Dynamics. Journal of Physical Chemistry B, 2024, 128, 2717-2733.	2.6	0
9998	Revealing the dynamics and mechanisms of bacterial interactions in cheese production with metabolic modelling. Metabolic Engineering, 2024, 83, 24-38.	7.0	0
9999	Detecting the Effect of Nonthermal Sources on the Warm-hot Galactic Halo. Astrophysical Journal Letters, 2024, 963, L48.	8.3	0
10000	AlphaPept: a modern and open framework for MS-based proteomics. Nature Communications, 2024, 15, .	12.8	0
10001	On the habit planes between elastically distorted austenite and martensite in NiTi. Acta Materialia, 2024, 269, 119828.	7.9	0
10002	Multi-epoch sampling of the radio star population with the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 2024, 529, 1258-1270.	4.4	0
10004	Classification of likely functional class for ligand binding sites identified from fragment screening. Communications Biology, 2024, 7, .	4.4	0
10007	SynBPS: a parametric simulation framework for the generation of event-log data. Simulation, 0, , .	1.8	0

#	ARTICLE	IF	CITATIONS
10010	Combining machine learning with structure-based protein design to predict and engineer post-translational modifications of proteins. PLoS Computational Biology, 2024, 20, e1011939.	3.2	0
10011	Bulk and Single-Cell RNA Sequencing Elucidate the Etiology of Severe COVID-19. International Journal of Molecular Sciences, 2024, 25, 3280.	4.1	0
10012	Changes in Gut Microbiome Taxonomic Composition and Ð•heir Relationship to Biosynthetic and Metabolic Pathways of B Vitamins in Children with Multiple Sclerosis. Journal of Evolutionary Biochemistry and Physiology, 2024, 60, 114-135.	0.6	0
10013	Unraveling the chicken T cell repertoire with enhanced genome annotation. Frontiers in Immunology, 0, 15, .	4.8	0
10014	IoT sensors as a tool for assessing spatiotemporal risk to extreme heat. Journal of Environmental Planning and Management, 0, , 1-23.	4.5	0
10015	Ultrafast Computational Screening of Molecules with Inverted Singletâ€"Triplet Energy Gaps Using the Pariserâ€"Parrâ€"Pople Semiempirical Quantum Chemistry Method. Journal of Physical Chemistry A, 2024, 128, 2445-2456.	2.5	0
10016	Mechanistic insights into interactions between ionizable lipid nanodroplets and biomembranes. Journal of Biomolecular Structure and Dynamics, 0, , 1-11.	3.5	0
10017	Brown Dwarf Candidates in the JADES and CEERS Extragalactic Surveys. Astrophysical Journal, 2024, 964, 66.	4.5	0
10018	Benchmarking spatial clustering methods with spatially resolved transcriptomics data. Nature Methods, 2024, 21, 712-722.	19.0	0
10019	Leveraging Multitime Hamiltonâ€"Jacobi PDEs for Certain Scientific Machine Learning Problems. SIAM Journal of Scientific Computing, 2024, 46, C216-C248.	2.8	0
10020	The Gas-phase Massâ€"Metallicity Relation for Massive Galaxies at z â^¼ 0.7 with the LEGA-C Survey. Astrophysical Journal, 2024, 964, 59.	4.5	0
10021	Revealing High-z Fermi-LAT BL Lacs Using Swift and SARA Data with Photometric Analysis. Astrophysical Journal, 2024, 964, 63.	4.5	0
10022	A Laser-Induced Breakdown Spectroscopy (LIBS) Instrument for In-Situ Exploration with the DLR Lightweight Rover Unit (LRU). Applied Sciences (Switzerland), 2024, 14, 2467.	2.5	0
10023	Analysis and comparison of feature selection methods towards performance and stability. Expert Systems With Applications, 2024, 249, 123667.	7.6	0
10024	Search for high-creep-strength welding conditions considering HAZ shape factors for 2 1/4Crâ€"1Mo steel. Welding in the World, Le Soudage Dans Le Monde, 0, , .	2.5	0
10027	Angular correlations of cosmic microwave background spectrum distortions from photon diffusion. Monthly Notices of the Royal Astronomical Society, 2024, 529, 2274-2288.	4.4	0
10030	Deep learning-based characterization of neutrophil activation phenotypes in ex vivo human Candida blood infections. Computational and Structural Biotechnology Journal, 2024, 23, 1260-1273.	4.1	0
10031	An ALMA Molecular Inventory of Warm Herbig Ae Disks. I. Molecular Rings, Asymmetries, and Complexity in the HD 100546 Disk. Astronomical Journal, 2024, 167, 164.	4.7	0

#	Article	IF	Citations
10032	Alrecon: computed tomography reconstruction web application based on Solara. Open Research Europe, 0, 4, 54.	2.0	0
10033	The NANOGrav 15 yr Data Set: Search for Transverse Polarization Modes in the Gravitational-wave Background. Astrophysical Journal Letters, 2024, 964, L14.	8.3	0
10034	The Cosmos in Its Infancy: JADES Galaxy Candidates at z > 8 in GOODS-S and GOODS-N. Astrophysical Journal, 2024, 964, 71.	4.5	0
10035	Systematic Approaches for the Encoding of Chemical Groups: A Case Study. Chemical Research in Toxicology, 2024, 37, 600-619.	3.3	0
10036	Visualizing climate targets: mapping the 93 funded E.U. Erasmus+ projects versus SDGs and horizon missions targets. Journal of Maps, 2024, 20, .	2.0	0
10037	Leveraging the Sensitivity of Plants with Deep Learning to Recognize Human Emotions. Sensors, 2024, 24, 1917.	3.8	0
10038	Analyzing the Impact of Oncological Data at Different Time Points and Tumor Biomarkers on Artificial Intelligence Predictions for Five-Year Survival in Esophageal Cancer. Machine Learning and Knowledge Extraction, 2024, 6, 679-698.	5.0	0
10039	Quantitative Chemical Mapping of Pt/Rh Gauze Catalysts for Ammonia Oxidation using Resonant X-ray Tomography. Journal of Physical Chemistry C, 2024, 128, 5053-5063.	3.1	0
10040	Antimicrobial resistance landscape in a metropolitan city context using open drain wastewater-based metagenomic analysis. Environmental Research, 2024, 252, 118556.	7.5	0
10041	A two-step fluidâ€"structure approach for the vibration analysis of flexible propeller blade. Journal of Fluids and Structures, 2024, 126, 104091.	3.4	0
10042	Lensing-band approach to spacetime constraints. Physical Review D, 2024, 109, .	4.7	0
10043	Synergistic use of Sentinel-2 and UAV-derived data for plant fractional cover distribution mapping of coastal meadows with digital elevation models. Biogeosciences, 2024, 21, 1411-1431.	3.3	0
10044	TYC 3340-2437-1: A Quadruple System with a Massive Star. Astrophysical Journal, 2024, 964, 86.	4.5	0
10048	Polarimetry of GRB 230818A. Research Notes of the AAS, 2024, 8, 87.	0.7	0
10049	Mitotic chromosomes are self-entangled and disentangle through a topoisomerase-II-dependent two-stage exit from mitosis. Molecular Cell, 2024, 84, 1422-1441.e14.	9.7	0
10051	Co-Processed Crystalline Solids of Ivermectin with SpanÂ® 60 as Solubility Enhancers of Ivermectin in Natural Oils. AAPS PharmSciTech, 2024, 25, .	3.3	0
10052	Kadastro parsel sÄ±nÄ±rlarÄ±nÄ±n obje olarak kullanÄ±larak arpa ve buÄŸday Ã¼rÃ¼nlerinin Ã§ok zamanlÄ± Sentinel-2 uydu gÃ¶rÃ¼ntÃ¼leri ile belirlenmesi. Turkish Journal of Remote Sensing and GIS, 0, , 1-14.	0.0	0
10053	Graph admissibility: Case generation and analysis by learning models. Journal of Computational Science, 2024, 78, 102281.	2.9	0

#	Article	IF	Citations
10054	*Lipid Wizard*: Analysis Software for Comprehensive Two-Dimensional Liquid Chromatographyâ€"Mass Spectrometry-Based Lipid Profiling. Analytical Chemistry, 2024, 96, 5375-5383.	6.5	0
10055	Subcallosal cingulate deep brain stimulation evokes two distinct cortical responses via differential white matter activation. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	0
10058	Efficient Speech Detection in Environmental Audio Using Acoustic Recognition and Knowledge Distillation. Sensors, 2024, 24, 2046.	3.8	0
10059	Extending the definition of atomic basis sets to atoms with fractional nuclear charge. Journal of Chemical Physics, 2024, 160, .	3.0	0
10060	tightbinder: A Python package for semi-empirical tight-binding models of crystalline and disordered solids. Journal of Open Source Software, 2024, 9, 5810.	4.6	0
10064	Sphractal: Estimating the Fractal Dimension of Surfaces Computed from Precise Atomic Coordinates via Boxâ€Counting Algorithm. Advanced Theory and Simulations, 0, , .	2.8	0
10065	ORTEGA v1.0: an open-source Python package for context-aware interaction analysis using movement data. Movement Ecology, 2024, 12, .	2.8	0
10066	PerMetrics: A Framework of Performance Metrics for Machine Learning Models. Journal of Open Source Software, 2024, 9, 6143.	4.6	0
10067	Multi-Omics integration can be used to rescue metabolic information for some of the dark region of the Pseudomonas putida proteome. BMC Genomics, 2024, 25, .	2.8	0
10068	Synthetic data generation using finite element method to pre-train an image segmentation model for defect detection using infrared thermography. Journal of Intelligent Manufacturing, 0, , .	7.3	0
10069	Road Corner Detection System. , 2023, , .		0
10070	Phybers: a package for brain tractography analysis. Frontiers in Neuroscience, 0, 18, .	2.8	0
10071	Quantifying how single dose Ad26.COV2.S vaccine efficacy depends on Spike sequence features. Nature Communications, 2024, 15, .	12.8	0
10072	Comparing Observed with Simulated Solar-disk-center Scattering Polarization in the Sr i 4607 Ã… Line. Astrophysical Journal, 2024, 964, 10.	4.5	0
10073	Efficient surrogate models for materials science simulations: Machine learning-based prediction of microstructure properties. Machine Learning With Applications, 2024, 16, 100544.	4.4	0
10074	From pandemic to endemic: Divergence of COVID-19 positive-tests and hospitalization numbers from SARS-CoV-2 RNA levels in wastewater of Rochester, Minnesota. Heliyon, 2024, 10, e27974.	3.2	0
10075	On decoding of rapid motor imagery in a diverse population using a high-density NIRS device. Frontiers in Neuroergonomics, 0, 5, .	1.1	0
10076	Widespread prevalence of a methylation-dependent switch to activate an essential DNA damage response in bacteria. PLoS Biology, 2024, 22, e3002540.	5.6	0

#	ARTICLE	IF	CITATIONS
10077	Machine learning framework to extract the biomarker potential of plasma IgG N-glycans towards disease risk stratification. Computational and Structural Biotechnology Journal, 2024, 23, 1234-1243.	4.1	0
10078	Orbital Stability and Secular Dynamics of the Proxima Centauri Planetary System. Astrophysical Journal, 2024, 964, 4.	4.5	0
10079	Variational Monte Carlo with large patched transformers. Communications Physics, 2024, 7, .	5.3	0
10080	A novel land surface temperature reconstruction method and its application for downscaling surface soil moisture with machine learning. Journal of Hydrology, 2024, 634, 131051.	5.4	0
10083	Dynamic antennal positioning allows honeybee followers to decode the dance. Current Biology, 2024, 34, 1772-1779.e4.	3.9	0
10084	Estimation of Peptide Helicity from Circular Dichroism Using the Ensemble Model. Journal of Physical Chemistry B, 2024, 128, 2652-2663.	2.6	0
10085	Virtual metrology for chemical mechanical planarization of semiconductor wafers. Journal of Intelligent Manufacturing, 0, , .	7.3	0
10086	Aperture and Resolution Effects on Ultraviolet Star-forming Properties: Insights from Local Galaxies and Implications for High-redshift Observations*. Astrophysical Journal, 2024, 964, 25.	4.5	0
10087	JWST-MIRI Spectroscopy of Warm Molecular Emission and Variability in the AS 209 Disk. Astrophysical Journal, 2024, 964, 36.	4.5	0
10088	Many Roads Lead to Lithium: Formation Pathways For Lithium-rich Red Giants. Astrophysical Journal, 2024, 964, 42.	4.5	0
10089	Determining the core-collapse supernova explosion mechanism with current and future gravitational-wave observatories. Physical Review D, 2024, 109, .	4.7	0
10090	Using Bright Point Shapes to Constrain Wave Heating of the Solar Corona: Predictions for DKIST. Astrophysical Journal, 2024, 964, 50.	4.5	0
10091	Agent-based models under uncertainty. F1000Research, 0, 12, 834.	1.6	0
10092	BST1047+1156: A (Failing) Ultradiffuse Tidal Dwarf in the Leo I Group. Astrophysical Journal, 2024, 964, 67.	4.5	0
10093	A computational framework for modeling socio-technical agents in the life-cycle sustainability assessment of supply networks. Sustainable Production and Consumption, 2024, 46, 641-654.	11.0	0
10094	CECILIA: Direct O, N, S, and Ar Abundances in Q2343-D40, a Galaxy at z â‰¼ 3. Astrophysical Journal Letters, 2024, 964, L12.	8.3	0
10095	In This Day and Age: An Empirical Gyrochronology Relation for Partially and Fully Convective Single Field Stars. Astronomical Journal, 2024, 167, 159.	4.7	0
10096	Estimation of the Lifetime of Slow-Decaying Unipolar Active Regions in the Framework of the Turbulent Erosion Model. Solar Physics, 2024, 299, .	2.5	0

#	ARTICLE	IF	CITATIONS
10097	Deep Learning Powered Identification of Differentiated Early Mesoderm Cells from Pluripotent Stem Cells. Cells, 2024, 13, 534.	4.1	0
10098	Organic-walled microfossils from the Ediacaran Sete Lagoas Formation, BambuÃ-Group, Southeast Brazil: taxonomic and biostratigraphic analyses. Journal of Paleontology, 0, , 1-25.	0.8	0
10099	An ALMA Molecular Inventory of Warm Herbig Ae Disks. II. Abundant Complex Organics and Volatile Sulphur in the IRS 48 Disk. Astronomical Journal, 2024, 167, 165.	4.7	0
10100	Revisiting the evidence for precession in GW200129 with machine learning noise mitigation. Physical Review D, 2024, 109, .	4.7	0
10101	Quaia, the Gaia-unWISE Quasar Catalog: An All-sky Spectroscopic Quasar Sample. Astrophysical Journal, 2024, 964, 69.	4.5	0
10102	Magnetic moments of astrophysical neutrinos. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 043.	5.4	0
10103	Spectroscopic Confirmation of Obscured AGN Populations from Unsupervised Machine Learning. Astronomical Journal, 2024, 167, 169.	4.7	0
10105	Coherent Imaging with Photonic Lanterns. Astrophysical Journal, 2024, 964, 113.	4.5	0
10106	Glass design using machine learning property models with prediction uncertainties: Nuclear waste glass formulation. Journal of Non-Crystalline Solids, 2024, 631, 122907.	3.1	0
10107	Automatic Computation for Robot Design (ACRoD): A Python package for numerical calculation of Jacobian of a robot at a given configuration around a specified end-effector point. Journal of Open Source Software, 2024, 9, 5927.	4.6	0
10108	The first cut is the cheapest: optimizing Athena/X-IFU-like TES detectors resolution by filter truncation. Experimental Astronomy, 2024, 57, .	3.7	0
10109	Leveraging Deep Learning for Fine-Grained Categorization of Parkinsonâ€™s Disease Progression Levels through Analysis of Vocal Acoustic Patterns. Bioengineering, 2024, 11, 295.	3.5	0
10110	Evolution of the Ratio of Mg ii Intensities during Solar Flares. Astrophysical Journal, 2024, 964, 106.	4.5	0
10111	A Dataset of Electrical Components for Mesh Segmentation and Computational Geometry Research. Scientific Data, 2024, 11, .	5.3	0
10112	Quantifying noise effects in optical measures of excited state transport. Journal of Chemical Physics, 2024, 160, .	3.0	0
10113	Artificial-intelligence-enabled dynamic demand response system for maximizing the use of renewable electricity in production processes. International Journal of Advanced Manufacturing Technology, 0, , .	3.0	0
10114	FESTIM: An open-source code for hydrogen transport simulations. International Journal of Hydrogen Energy, 2024, 63, 786-802.	7.1	0
10115	The POKEMON Speckle Survey of Nearby M Dwarfs. III. The Stellar Multiplicity Rate of M Dwarfs within 15 pc. Astronomical Journal, 2024, 167, 174.	4.7	0

#	ARTICLE	IF	CITATIONS
10116	The PFS View of TOI-677 b: A Spin–Orbit Aligned Warm Jupiter in a Dynamically Hot System*. Astronomical Journal, 2024, 167, 175.	4.7	0
10117	Optimal Control Strategies for Assessing the Impact of Medical Masks on COVID-19 Dynamics: Global Perspectives and Societal Well-Being. Open Journal of Social Sciences, 2024, 12, 315-330.	0.3	0
10119	Systematic analysis, aggregation and visualisation of interaction fingerprints for molecular dynamics simulation data. Journal of Cheminformatics, 2024, 16, .	6.1	0
10120	A Dusty Locale: evolution of galactic dust populations from Milky Way to dwarf-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2024, 529, 2356-2378.	4.4	0
10121	A fast uncertainty quantification methodology and sampling technique for joint probability distribution of the Arrhenius rate expression: a case study applied to H_2/CO kinetic mechanism. Combustion Theory and Modelling, 0, , 1-30.	1.9	0
10122	Non-zero temperature study of spin 1/2 charmed baryons using lattice gauge theory. European Physical Journal A, 2024, 60, .	2.5	0
10124	PyF2F: a robust and simplified fluorophore-to-fluorophore distance measurement tool for Protein interactions from Imaging Complexes after Translocation experiments. NAR Genomics and Bioinformatics, 2024, 6, .	3.2	0
10125	ALMA-LEGUS. II. The Influence of Subgalactic Environments on Molecular Cloud Properties. Astrophysical Journal, 2024, 964, 13.	4.5	0
10126	ALMA-LEGUS. I. The Influence of Galaxy Morphology on Molecular Cloud Properties. Astrophysical Journal, 2024, 964, 12.	4.5	0
10129	Gauge preheating with full general relativity. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 017.	5.4	0
10130	Development and prospective validation of an artificial intelligence-based smartphone app for rapid intraoperative pituitary adenoma identification. Communications Medicine, 2024, 4, .	4.2	0
10131	Image processing approaches for microtubule remodeling quantification at the immunological synapse. Methods in Cell Biology, 2024, , .	1.1	0
10132	Quantitative measurement of the ureter on three-dimensional magnetic resonance urography images using deep learning. Medical Physics, 0, , .	3.0	0
10133	Cloud Identification and Reconstruction from All-sky Camera Images Based on Star Photometry Estimation. Publications of the Astronomical Society of the Pacific, 2024, 136, 035002.	3.1	0
10134	Gravitational-wave imprints of nonconvex dynamics in binary neutron star mergers. Physical Review D, 2024, 109, .	4.7	0
10135	BEaTmap: Simplified Rigorous BET Analysis of Isothermal Adsorption Data. Journal of Open Research Software, 2024, 12, .	5.9	0
10136	The TESS-Keck Survey. XII. A Dense 1.8 $R_⊕$ Ultra-short-period Planet Possibly Clinging to a High-mean-molecular-weight Atmosphere after the First Gigayear. Astronomical Journal, 2024, 167, 153.	4.7	0
10137	High-content method for mechanosignaling studies using IsoStretcher technology and quantitative Ca2+ imaging applied to Piezo1 in cardiac HL-1 cells. Cellular and Molecular Life Sciences, 2024, 81, .	5.4	0

#	ARTICLE	IF	CITATIONS
10138	The Active Asteroids Citizen Science Program: Overview and First Results. Astronomical Journal, 2024, 167, 156.	4.7	0
10139	A Parametric Study of the SASI Comparing General Relativistic and Nonrelativistic Treatments*. Astrophysical Journal, 2024, 964, 38.	4.5	0
10140	SAGUARO: Time-domain Infrastructure for the Fourth Gravitational-wave Observing Run and Beyond. Astrophysical Journal, 2024, 964, 35.	4.5	0
10141	Pywaterflood: Well connectivity analysis through capacitance-resistance modeling. Journal of Open Source Software, 2024, 9, 6191.	4.6	0
10142	Atacama Cosmology Telescope: High-resolution component-separated maps across one third of the sky. Physical Review D, 2024, 109, .	4.7	0
10143	Recognizing Blazars Using Radio Morphology from the VLA Sky Survey. Astrophysical Journal, 2024, 964, 98.	4.5	0