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SciPy 1.0: fundamental algorithms for scientific computing in Python

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## (2021-2021)

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581	Atomistic origins of biomass recalcitrance in organosolv pretreatment. <b>2023</b> , 272, 118587	О
580	Unraveling Key Features of Microbial Alpha-Diversity Metrics and Their Practical Applications.	O
579	A structure-preserving neural differential operator with embedded Hamiltonian constraints for modeling structural dynamics.	О
578	Benchmarking framework for machine learning classification from fNIRS data. 4,	O
577	Machine learning identifies straightforward early warning rules for human Puumala hantavirus outbreaks. <b>2023</b> , 13,	О
576	Storm Time Electrified MSTIDs Observed Over Mid-Latitude North America. <b>2023</b> , 128,	O
575	Extending Imaging Volume in Soft X-Ray Tomography. <b>2023</b> , 4,	О
574	Variable microtubule architecture in the malaria parasite. <b>2023</b> , 14,	O
573	How is Emotional Evidence from Multiple Sources Used in Perceptual Decision Making?.	О
572	Non-linear black hole dynamics and Carrollian fluids. <b>2023</b> , 2023,	O
571	Hunting for C-rich long-period variable stars in the Milky Way® bar-bulge using unsupervised classification ofGaiaBP/RP spectra. <b>2023</b> , 521, 2745-2764	О
570	A case study for the assessment of fuel savings using speed optimization. <b>2023</b> , 274, 113990	О
569	Large-Scale Validation Study of an Improved Semi-Autonomous Urine Cytology Assessment Tool: AutoParis-X.	O
568	Accounting for differential rotation in calculations of the Sun's angular momentum-loss rate.	О

567	An observationally derived kick distribution for neutron stars in binary systems. 2023, 521, 2504-2524	О
566	PhytoOracle: Scalable, modular phenomics data processing pipelines. 14,	O
565	LOTUS: A (Non-) LTE Optimization Tool for Uniform Derivation of Stellar Atmospheric Parameters. <b>2023</b> , 165, 145	0
564	A Semiblind PCA-based Foreground Subtraction Method for 21 cm Intensity Mapping. <b>2023</b> , 945, 38	O
563	Multifrequency Black Hole Imaging for the Next-generation Event Horizon Telescope. <b>2023</b> , 945, 40	0
562	Incremental improvements in tractometry-based brain-age modeling with deep learning.	O
561	Truncated atomic plane wave method for subband structure calculations of moir ystems. 2023, 107,	0
560	A mathematical approach to survey electrochemical impedance spectroscopy for aging in lithium-ion batteries. 11,	O
559	Histology-based Prediction of Therapy Response to Neoadjuvant Chemotherapy for Esophageal and Esophagogastric Junction Adenocarcinomas Using Deep Learning.	0
558	Live-cell imaging uncovers the relationship between histone acetylation, transcription initiation, and nucleosome mobility.	O
557	Understanding Passive Membrane Permeation of Peptides: Physical Models and Sampling Methods Compared. <b>2023</b> , 24, 5021	1
556	Hydrological objective functions and ensemble averaging with the Wasserstein distance. <b>2023</b> , 27, 991-1010	O
555	Classification of Common Food Lipid Sources Regarding Healthiness Using Advanced Lipidomics: A Four-Arm Crossover Study. <b>2023</b> , 24, 4941	0
554	Temperature-Dependent Morphological Evolution during Corrosion of the Ni-20Cr Alloy in Molten Salt Revealed by Multiscale Imaging. <b>2023</b> , 15, 13772-13782	O
553	A Measurement of the Cosmic Optical Background and Diffuse Galactic Light Scaling from the R < 50 au New Horizons-LORRI Data. <b>2023</b> , 945, 45	O
552	Simulations suggest walking with reduced propulsive force would not mitigate the energetic consequences of lower tendon stiffness.	O
551	Mathematical Model of a Main Rhythm in Limbic Seizures. <b>2023</b> , 11, 1233	0
550	Super-Resolution of Dental Panoramic Radiographs Using Deep Learning: A Pilot Study. <b>2023</b> , 13, 996	Ο

549	Altered functional connectivity and network excitability in a model of cortical dysplasia.	О
548	Transcriptional Response to Hypoxia: The Role of HIF-1-Associated Co-Regulators. <b>2023</b> , 12, 798	O
547	Does the HCN/CO Ratio Trace the Star-forming Fraction of Gas? I. A Comparison with Analytical Models of Star Formation. <b>2023</b> , 945, 42	О
546	Benefits of fully focused SAR altimetry to coastal wave height estimates: A case study in the North Sea. <b>2023</b> , 289, 113517	O
545	A study of indirect action impact on simulated neutron-induced DNA damage. 2023, 68, 075014	О
544	Inferring gene regulatory networks using transcriptional profiles as dynamical attractors.	O
543	Particle-based model shows complex rearrangement of tissue mechanical properties are needed for roots to grow in hard soil. <b>2023</b> , 19, e1010916	О
542	The XQR-30 metal absorber catalogue: 778 absorption systems spanning 2?z?6.5. <b>2023</b> , 521, 289-313	1
541	A novel convergence enhancement method based on online dimension reduction optimization. <b>2023</b> , 35, 036124	О
540	Mouse spontaneous behavior reflects individual variation rather than estrous state. <b>2023</b> , 33, 1358-1364.e4	O
539	The use of novel electronic nose technology to locate missing persons for criminal investigations. <b>2023</b> , 26, 106353	О
538	SynapseCLR: Uncovering features of synapses in primary visual cortex through contrastive representation learning. <b>2023</b> , 4, 100693	O
537	Get a New Perspective on EEG: Convolutional Neural Network Encoders for Parametric t-SNE. <b>2023</b> , 13, 453	О
536	Automatic comprehensive aspects reports in clinical acute stroke MRIs. <b>2023</b> , 13,	O
535	Temperature sensitivity of carbon concentrating mechanisms in the diatom Phaeodactylum tricornutum.	О
	CHCOHIGCUII.	
534	Statistical analysis of the total magnetic flux decay rate in solar active regions. <b>2023</b> , 521, 2187-2195	O
534		0

531	Tensorial independent component analysis reveals social and reward networks associated with major depressive disorder. <b>2023</b> , 44, 2905-2920	0
530	Performance comparison of optimization methods on variational quantum algorithms. <b>2023</b> , 107,	O
529	Examining the decline in the C iv content of the Universe over 4.3 ? z ? 6.3 using the E-XQR-30 sample. <b>2023</b> , 521, 314-331	1
528	Apples to Apples: Impartial Assessment of Drilling Technologies through Big Data and Machine Learning. <b>2023</b> ,	O
527	Optical simulation supported development of a dual channel photoelectric smoke detector. 2023,	O
526	Tigerfish designs oligonucleotide-basedin situhybridization probes targeting intervals of highly repetitive DNA at the scale of genomes.	0
525	Dissolving Constraints for Riemannian Optimization.	0
524	Identifying and overcoming the sampling challenges in relative binding free energy calculations of a model protein:protein complex.	O
523	EDEN Survey: Small Transiting Planet Detection Limits and Constraints on the Occurrence Rates of Planets around Late-M Dwarfs within 15 pc. <b>2023</b> , 165, 149	0
522	RR Lyrae Mid-infrared PeriodIluminosityMetallicity and PeriodIWesenheitMetallicity Relations Based on Gaia DR3 Parallaxes. <b>2023</b> , 945, 83	O
521	The Pan-STARRS1 z > 5.6 Quasar Survey. II. Discovery of 55 Quasars at 5.6 < z < 6.5. <b>2023</b> , 265, 29	0
520	Persistable: persistent and stable clustering. <b>2023</b> , 8, 5022	Ο
519	An APEX Study of Molecular Outflows in FUor-type Stars. <b>2023</b> , 945, 80	О
518	Promoting extinction or minimizing growth? The impact of treatment on trait trajectories in evolving populations.	O
517	The Glass Transition Temperature of Heterogeneous Biopolymer Systems. <b>2023</b> , 24, 1627-1637	0
516	FBA-PRCC. Partial Rank Correlation Coefficient (PRCC) Global Sensitivity Analysis (GSA) in Application to Constraint-Based Models. <b>2023</b> , 13, 500	O
515	Human generalization of internal representations through prototype learning with goal-directed attention. <b>2023</b> , 7, 442-463	0
514	Analysis of Surrogate Models for Vapour Transport and Distribution in a Hollow Fibre Membrane Humidifier. <b>2023</b> , 16, 2578	0

513	Elucidating dynamic anaerobe metabolism with HRMAS 13C NMR and genome-scale modeling.	O
512	New insights into the rotational evolution of near-solar age stars from the open cluster M 67. <b>2023</b> , 672, A159	O
511	X-ray Time Lag Evaluation of MAXI J1820+070 with a Differential Cross-correlation Analysis. <b>2023</b> , 945, 92	О
510	Cats Did Not Change Their Problem-Solving Behaviours after Human Demonstrations. <b>2023</b> , 13, 984	O
509	Recovering density disturbance spectra from FLDI. Part 1. <b>2023</b> , 62, 3042	1
508	Standing wave mesoscopy.	Ο
507	A candidate magnetic helium-core white dwarf in the globular cluster NGC 6397. <b>2023</b> , 521, 5026-5032	Ο
506	Best Practices in Flux Sampling of Constrained-Based Models. 2023, 234-248	О
505	SViMULATE: a computer program facilitating interactive, multi-mode simulation of analytical ultracentrifugation data.	O
504	Implementation and parametric study of J-integral data reduction methods for the translaminar toughness of hierarchical thin-ply composites. <b>2023</b> , 282, 109169	О
503	Spatially Correlated Nuclear Magnetic Resonance Profiles as a Tool for Precision Agriculture. <b>2023</b> , 71, 4745-4754	О
502	Identifying opportunities to improve the microbiological diagnosis of tuberculosis in a low endemic urban setting. <b>2023</b> ,	O
501	OpenMSIStream: A Python package for facilitating integration of streaming data in diverse laboratory environments. <b>2023</b> , 8, 4896	О
500	Simplified Optimization of the Magnetic Configuration of HEMP-Thrusters. <b>2023</b> , 13, 3491	O
499	Confusion noise from Galactic binaries for Taiji. <b>2023</b> , 107,	О
498	Microglial MHC-I induction with aging and Alzheimer∃ is conserved in mouse models and humans.	Ο
497	Robust clustering of the local Milky Way stellar kinematic substructures withGaiaeDR3. <b>2023</b> , 521, 2623-2648	O
496	Detecting and characterizing pulsar haloes with the Cherenkov telescope array. <b>2023</b> , 521, 3793-3809	O

495	Observational Characterization of Main-belt Comet and Candidate Main-belt Comet Nuclei. <b>2023</b> , 4, 43	0
494	Finite Impulse Response Errors-in-Variables System Identification Utilizing Approximated Likelihood and Gaussian Mixture Models. <b>2023</b> , 11, 24615-24630	O
493	Dissecting the subcellular forces sculpting earlyC. elegansembryos.	O
492	Automatic Crack Segmentation and Feature Extraction in Electroluminescence Images of Solar Modules. <b>2023</b> , 13, 334-342	O
491	Wide-Angular Tolerance Optical Filter Design and Its Application to Green Pepper Segmentation. <b>2023</b> , 23, 2981	O
490	Whole-bone toughness is linked to canal and osteocyte lacunae deficits in the ZDSD type 2 diabetic rat model.	O
489	BSSE-corrected consistent Gaussian basis sets of triple-zeta valence quality of the lanthanides La-Lu for solid-state calculations.	О
488	A Family of Soil Water Retention Models Based on Sigmoid Functions. <b>2023</b> , 59,	O
487	Allosteric inhibition of TEM -1 [lactamase: Microsecond molecular dynamics simulations provide mechanistic insights. <b>2023</b> , 32,	O
486	An optimized reporter of the transcription factor hypoxia-inducible factor 1 deveals complex HIF-1 detivation dynamics in single cells. <b>2023</b> , 299, 104599	O
485	Deep audio embeddings for vocalisation clustering.	0
484	Application of quantum approximate optimization algorithm to job shop scheduling problem. 2023,	O
483	MAHOMES II: A webserver for predicting if a metal binding site is enzymatic.	0
482	Genotoxic colibactin mutational signature in colorectal cancer is associated with clinicopathological features, specific genomic alterations and better survival.	O
481	Topology of reionisation times: Concepts, measurements, and comparisons to Gaussian random field predictions. <b>2023</b> , 672, A184	0
480	The Influence of Disclosing the AI Potential Error to the User on the Efficiency of UserAI Collaboration. <b>2023</b> , 13, 3572	O
479	Microbial adaptation to spaceflight is correlated with bacteriophage-encoded functions.	О
478	Stoichiometry on the edgeflumans induce strong imbalances of reactive C:N:P ratios in streams. <b>2023</b> , 18, 044016	O

477	Impact of galactic distributions in celestial capture of dark matter. 2023, 107,	О
476	SwarmFACE: A Python package for field-aligned currents exploration with Swarm. 9,	О
475	How localized are computational templates? A machine learning approach. 2023, 201,	0
474	Simulations approaching data: cortical slow waves in inferred models of the whole hemisphere of mouse. <b>2023</b> , 6,	О
473	Formal autopoiesis: Solutions of the classical and extended functional closure equations. 2023, 226, 104872	О
472	A generalizable machine learning framework for classifying DNA repair defects using ctDNA exomes. <b>2023</b> , 7,	О
471	Molecular dynamics simulations reveal the impact of NUDT15 R139C and R139H variants in structural conformation and dynamics. 1-10	0
470	Circumstellar Medium Interaction in SN 2018lab, A Low-luminosity Type IIP Supernova Observed with TESS. <b>2023</b> , 945, 107	О
469	Evidence for embracing normative modeling. 12,	О
468	Preintegration via Active Subspace. <b>2023</b> , 61, 495-514	О
467	Application of mineralogy and geochemistry to identify the landward extent of paleo-tsunami deposits not visible to the naked eye in the coastal wetland of Erimo, Hokkaido, Japan. <b>2023</b> , 447, 106365	0
466	Data-Driven Mathematical Approach for Removing Rare Features in Zero-Inflated Datasets.	O
465	PROSE: phenotype-specific network signatures from individual proteomic samples. <b>2023</b> , 24,	О
464	Hydration Mechanisms of Tungsten Trioxide Revealed by Water Adsorption Isotherms and First-Principles Molecular Dynamics Simulations. <b>2023</b> , 127, 5584-5596	О
463	Building an Acceleration Ladder with Tidal Streams and Pulsar Timing. <b>2023</b> , 945, L32	О
462	Reinforcement Learning for the Face Support Pressure of Tunnel Boring Machines. <b>2023</b> , 13, 82	O
461	Spatiotemporal Mapping of Hole Nucleation and Growth during Block Copolymer Terracing with High-Speed Atomic Force Microscopy. <b>2023</b> , 17, 5644-5652	0
460	MesoTIRF: A prism-based Total Internal Reflection Fluorescence illuminator for high resolution, high contrast imaging of large cell populations. <b>2023</b> , 122, 113701	O

459	Numerical approach to the exterior solution of spherically symmetric and static configuration in scalar-tensor theories. <b>2023</b> , 107,	О
458	A NOEMA Molecular Line Scan of the Hubble Deep Field North: Improved Constraints on the CO Luminosity Functions and Cosmic Density of Molecular Gas. <b>2023</b> , 945, 111	O
457	First Observations of the Brown Dwarf HD 19467 B with JWST. <b>2023</b> , 945, 126	О
456	MAHOMES II: A webserver for predicting if a metal binding site is enzymatic. <b>2023</b> , 32,	О
455	Understanding Structure-Processing Relationships in Metal Additive Manufacturing via Featurization of Microstructural Images.	О
454	A hybrid map-Cltomponent separation method for primordial CMB B-mode searches. 2023, 2023, 035	О
453	JWST Low-resolution MIRI Spectral Observations of SN 2021aefx: High-density Burning in a Type Ia Supernova. <b>2023</b> , 945, L2	2
452	Planet engulfment detections are rare according to observations and stellar modelling. <b>2023</b> , 521, 2969-2987	О
451	Testing nonparametrically for dependence between nonstationary time series with very few replicates.	О
450	Statistically characterizing robustness and fidelity of quantum controls and quantum control algorithms. <b>2023</b> , 107,	О
449	Improved Constraints on the 21 cm EoR Power Spectrum and the X-Ray Heating of the IGM with HERA Phase I Observations. <b>2023</b> , 945, 124	О
448	Revisiting the emission line source detection problem in integral field spectroscopic data.	O
447	Interpretable full-epoch multiclass decoding for M/EEG.	О
446	Interhemispheric Symmetry and Asymmetry of Absence Type Spike-Wave Discharges Caused by Systemic Administration of Pentylenetetrazole. <b>2023</b> , 59, 293-301	О
445	ER proteostasis regulators cell-non-autonomously control sleep. <b>2023</b> , 42, 112267	О
444	Wrist Accelerometer Estimates of Physical Activity Intensity During Walking in Older Adults and People Living With Complex Health Conditions: Retrospective Observational Data Analysis Study. 7, e41685	О
443	Application of Deep Reinforcement Learning to Major Solar Flare Forecasting. 2023, 265, 34	О
442	Depression core network-based individualized targeting for transcranial magnetic stimulation. <b>2023</b> , 16, 619-627	О

441	Insect infestations have an impact on the quality of climate reconstructions using Larix ring-width chronologies from the Tibetan plateau. <b>2023</b> , 148, 110124	O
440	Wrist Accelerometer Estimates of Physical Activity Intensity During Walking in Older Adults and People Living With Complex Health Conditions: Retrospective Observational Data Analysis Study (Preprint).	O
439	The impact of uncertainty in hERG binding mechanism onin silicopredictions of drug-induced proarrhythmic risk.	O
438	The Calar Alto CAFOS direct imaging first data release. <b>2023</b> , 521, 3127-3149	O
437	Local Predecoder to Reduce the Bandwidth and Latency of Quantum Error Correction. 2023, 19,	0
436	Spectroscopic Time Series Performance of the Mid-infrared Instrument on the JWST. 2023, 135, 038002	O
435	Synchrotron-Based X-ray Fluorescence Imaging Elucidates Uranium Toxicokinetics in Daphnia magna. <b>2023</b> , 17, 5296-5305	1
434	Cristae formation is a mechanical buckling event controlled by the inner membrane lipidome.	O
433	Deep learning for automated, interpretable classification of lumbar spinal stenosis and facet arthropathy from axial MRI. <b>2023</b> , 33, 3435-3443	Ο
432	Unraveling the role ofSlc10a4in auditory processing and sensory motor gating: implications for neuropsychiatric disorders?.	O
431	Shared input and recurrency in neural networks for metabolically efficient information transmission.	О
430	Real-time holographic 3D beam manipulation for ultrashort pulse laser processing. 2023,	O
429	GenoPipe: identifying the genotype of origin within (epi)genomic datasets.	O
428	Behavioral and neuroimaging correlates of attentional biases to angry faces in individuals in remission from depression: a population-derived study.	O
427	In situ extreme mass ratio inspirals via subparsec formation and migration of stars in thin, gravitationally unstable AGN discs. <b>2023</b> , 521, 4522-4543	O
426	A point field driven approach to process metrics based on laser powder bed fusion additive manufacturing models and in situ process monitoring. <b>2023</b> , 38, 1866-1881	O
425	Reactive Bimetallic Nanostructures Based on Triply Periodic Minimal Surfaces: A Molecular Dynamics Study toward the Limits of Performance.	0
424	Color Gradients and Half-mass Radii of Galaxies Out to $z=2$ in the CANDELS/3D-HST Fields: Further Evidence for Important Differences in the Evolution of Mass-weighted and Light-weighted Sizes. <b>2023</b> , 945, 155	O

423	Close contact restriction periods for patients who have received iodine-131 therapy for differentiated thyroid cancer. <b>2023</b> , 43, 021501	0
422	Optimal Machine Learning- and Deep Learning- driven algorithms for predicting the future value of investments: A systematic review and meta-analysis.	Ο
421	A sub-ppbv-level Acetone and Ethanol Quantum Cascade Laser Based Photoacoustic Sensor © Characterization and Multi-Component Spectra Recording in Synthetic Breath. <b>2023</b> , 30, 100473	0
420	Dynamic CD8+ T´cell responses to cancer immunotherapy in human regional lymph nodes are disrupted in metastatic lymph nodes. <b>2023</b> , 186, 1127-1143.e18	O
419	Evidence for Black Holes in Green Peas from WISE Colors and Variability. 2023, 945, 157	0
418	Multiple linear regression analysis of cancer treatment effectiveness at the level of constituent entities in the Russian Federation. <b>2023</b> , 9	O
417	Quantum mixed state compiling. <b>2023</b> , 8, 035001	O
416	Symphony: Cosmological Zoom-in Simulation Suites over Four Decades of Host Halo Mass. <b>2023</b> , 945, 159	O
415	Cover your bases: asymptotic distributions of the profile likelihood ratio when constraining effective field theories in high-energy physics. <b>2023</b> , 6,	О
414	The MUSE Ultra Deep Field (MUDF). III. Hubble Space Telescope WFC3 Grism Spectroscopy and Imaging. <b>2023</b> , 265, 40	1
413	Open source variational quantum eigensolver extension of the quantum learning machine for quantum chemistry.	1
412	Fully adaptive Bayesian algorithm for data analysis: FABADA. <b>2023</b> , 2, 129-141	O
411	A charged particle-inspired sampling scheme for improved surrogate model quality. <b>2023</b> , 72, 103447	О
410	Hi-COLA: fast, approximate simulations of structure formation in Horndeski gravity. <b>2023</b> , 2023, 040	O
409	Cosmology-informed neural networks to solve the background dynamics of the Universe. <b>2023</b> , 107,	O
408	PyQMC: An all-Python real-space quantum Monte Carlo module in PySCF. <b>2023</b> , 158, 114801	O
407	A Machine Learning and Feature Engineering Approach for the Prediction of the Uncontrolled Re-Entry of Space Objects. <b>2023</b> , 10, 297	Ο
406	Particle-based simulation of atom and ion transport in HiPIMS: effect of the plasma potential distribution on the ionized flux fraction. <b>2023</b> , 32, 035007	O

405	SOCS1 regulates a subset of NF <b>B</b> -target genes through direct chromatin binding and defines macrophage functional phenotypes. <b>2023</b> , 26, 106442	О
404	Deep deterministic policy gradient and graph attention network for geometry optimization of latticed shells.	O
403	Improved mixed dark matter halo model for ultralight axions. 2023, 107,	О
402	Bright extragalactic ALMA redshift survey (BEARS) III: detailed study of emission lines from 71 Herschel targets. <b>2023</b> , 521, 5508-5535	O
401	Diachronic profile of startup companies through social media. <b>2023</b> , 13,	О
400	A new python package for identifying celestial bodies trapped in mean-motion resonances. <b>2023</b> , 43, 100707	O
399	Perceval: A Software Platform for Discrete Variable Photonic Quantum Computing. 7, 931	О
398	On the morphology of the gamma-ray galactic centre excess. <b>2023</b> , 522, L21-L25	O
397	Predicting an Individual Cerebellar Activity from Functional Connectivity Fingerprints.	О
396	Human Gut Microbial Sulfonolipids are linked to Inflammatory Bowel Diseases through Toll-Like Receptor 4 Signaling.	O
395	Robust classification using average correlations as features (ACF). 2023, 24,	О
394	On K3-fibred LARGE Volume Scenario with de Sitter vacua from anti-D3-branes. 2023, 2023,	O
393	When action is not least for systems with action-dependent Lagrangians. 2023, 64, 032901	О
392	Antioxidant Activity and Inhibition of Liver Cancer CellsIGrowth of Extracts from 14 Marine Macroalgae Species of the Mediterranean Sea. <b>2023</b> , 12, 1310	O
391	A descriptive study of the clinical impacts on COVID-19 survivors using telemonitoring (The TeleCOVID Study). 5,	О
390	Data Combination: Interferometry and Single-dish Imaging in Radio Astronomy. <b>2023</b> , 135, 034501	O
389	Presence of liquid water during the evolution of exomoons orbiting ejected free-floating planets. 1-30	O
388	The Messy Nature of Fiber Spectra: StarQuasar Pairs Masquerading as Dual Type 1 AGNs. <b>2023</b> , 945, 167	0

387	Computational Exploration of Bio-Degradation Patterns of Various Plastic Types. 2023, 15, 1540	0
386	SRG/eROSITA Survey in the Lockman Hole: Classification of X-ray Sources. <b>2022</b> , 48, 755-766	О
385	RANS-Based Aeroacoustic Global Sensitivity Study and Optimization of UAV Propellers. 2023, 10, 306	1
384	SparseTIR: Composable Abstractions for Sparse Compilation in Deep Learning. 2023,	О
383	Humic-Based Polyelectrolyte Complexes for Dust Suppression. <b>2023</b> , 15, 1514	O
382	Zero-shot prediction of therapeutic use with geometric deep learning and clinician centered design.	О
381	ALaSCA: A novelin silicosimulation platform to untangle biological pathway mechanisms, with a case study in Type 1 Diabetes progression.	О
380	Bright-mode Emission from PSR B0823+26 Using the Five-hundred-meter Aperture Spherical Radio Telescope. <b>2023</b> , 946, 2	О
379	Role of genome topology in the stability of viral capsids. <b>2023</b> , 5,	0
378	The influence of the unbalanced magnetic pull on fault-induced rotor eccentricity in induction motors. 107754632311629	О
377	Two new white dwarfs with variable magnetic Balmer emission lines. <b>2023</b> , 522, 693-699	0
376	High-resolution Transmission Spectroscopy of the Terrestrial Exoplanet GJ 486b. <b>2023</b> , 165, 170	О
375	Comprehensive characterization of maternal, fetal, and neonatal microbiomes supports prenatal colonization of the gastrointestinal tract. <b>2023</b> , 13,	0
374	The Demographics of Terrestrial Planets in the Venus Zone. <b>2023</b> , 165, 168	О
373	A Candidate Relativistic Tidal Disruption Event at 340 Mpc. <b>2023</b> , 945, 142	О
372	Terahertz Cross-Correlation Spectroscopy and Imaging of Large-Area Graphene. <b>2023</b> , 23, 3297	1
371	Systems-level transcriptional regulation of Caenorhabditis elegans metabolism.	0
370	Introducing TIGRESS-NCR. I. Coregulation of the Multiphase Interstellar Medium and Star Formation Rates. <b>2023</b> , 946, 3	О

369	Using Machine Learning to Reduce the Need for Contrast Agents in Breast MRI through Synthetic Images.	О
368	Deep-water uptake under drought improved due to locally increased root conductivity in maize, but not in faba bean.	О
367	Star formation rate and stellar mass calibrations based on infrared photometry and their dependence on stellar population age and extinction.	О
366	Unsupervised encoding selection through ensemble pruning for biomedical classification. 2023, 16,	О
365	Understanding the hydrological response of a headwater-dominated catchment by analysis of distributed surfaceBubsurface interactions. <b>2023</b> , 13,	O
364	HIP 67506 C: MagAO-X confirmation of a new low-mass stellar companion to HIP 67506 A. <b>2023</b> , 521, 4775-4784	О
363	Comprehensive Comparison of Different Integrated Thermal Protection Systems with Ablative Materials for Load-Bearing Components of Reusable Launch Vehicles. <b>2023</b> , 10, 319	О
362	Cover Your Basis: Comprehensive Data-driven Characterization of the Binary Black Hole Population. <b>2023</b> , 946, 16	O
361	A Systematic View of Ten New Black Hole Spins. <b>2023</b> , 946, 19	О
360	The Effect of C60 and Pentacene Adsorbates on the Electrical Properties of CVD Graphene on SiO2. <b>2023</b> , 13, 1134	O
359	Why and when to expect Gaussian error distributions in epoch of reionization 21-cm power spectrum measurements. <b>2023</b> , 521, 5191-5206	О
358	Highly chemoselective ligands for SuzukiMiyaura cross-coupling reaction based on virtual ligand-assisted screening. <b>2023</b> , 21, 3132-3142	O
357	New Recurrently Active Main-belt Comet 2010 LH15. <b>2023</b> , 7, 60	О
356	Determining spectral response of the National Ignition Facility particle time of flight diagnostic to x rays. <b>2023</b> , 94, 033510	O
355	Quantitative videomicroscopy reveals latent control of cell-pair rotations in vivo.	О
354	Path separation of dissipation-corrected targeted molecular dynamics simulations of protein Ilgand unbinding. <b>2023</b> , 158, 124106	O
353	Machine Learning Detects Multiplicity of the First Stars in Stellar Archaeology Data. <b>2023</b> , 946, 20	О
352	Continuously Updated Digital Elevation Models (CUDEMs) to Support Coastal Inundation Modeling. <b>2023</b> , 15, 1702	O

351	Surface tension models for binary aqueous solutions: a review and intercomparison.	О
350	Antigen discrimination by T cells relies on size-constrained microvillar contact. 2023, 14,	О
349	The atomic-to-molecular hydrogen transition in the TNG50 simulation: Using realistic UV fields to create spatially resolved H i maps. <b>2023</b> , 521, 5645-5668	O
348	The DREAM complex functions as conserved master regulator of somatic DNA-repair capacities. <b>2023</b> , 30, 475-488	O
347	Improving the creation of SiV centers in diamond via sub-🛭 pulsed annealing treatment.	O
346	The Local Groupā mass: probably no more than the sum of its parts. <b>2023</b> , 521, 4863-4877	0
345	Characterization of radiation-resistance mechanism in Spirosoma montaniterrae DY10T în terms of transcriptional regulatory system. <b>2023</b> , 13,	0
344	The utility and caveat of split-GAL4s in the study of neurodegeneration. <b>2023</b> , 17,	O
343	Integrating EM and Patch-seq data: Synaptic connectivity and target specificity of predicted Sst transcriptomic types.	0
342	A High-precision Survey of the D/H Ratio in the Nearby Interstellar Medium. 2023, 946, 34	O
341	Interdisciplinary design optimization of compressor blades combining low- and high-fidelity models. <b>2023</b> , 66,	O
340	A large-scale machine learning study of sociodemographic factors contributing to COVID-19 severity. 6,	O
339	Searching for Supernovae in HETDEX Data Release 3*. <b>2023</b> , 946, 31	0
338	HLA3DB: comprehensive annotation of peptide/HLA complexes enables blind structure prediction of T cell epitopes.	О
337	Finding a Husband: Using Explainable AI to Define Male Mosquito Flight Differences. <b>2023</b> , 12, 496	0
336	High-frequency Decayless Waves with Significant Energy in Solar Orbiter/EUI Observations. <b>2023</b> , 946, 36	O
335	PtyLab.m/py/jl: a cross-platform, open-source inverse modeling toolbox for conventional and Fourier ptychography. <b>2023</b> , 31, 13763	0
334	Impact of Rubin Observatory Cadence Choices on Supernovae Photometric Classification. <b>2023</b> , 265, 43	O

333	Outflows driven by direct and reprocessed radiation pressure in massive star clusters. <b>2023</b> , 521, 5160-5176	О
332	Modeling the role of immune cell conversion in the tumor-immune microenviroment.	О
331	Detecting non-Gaussian gravitational wave backgrounds: A unified framework. <b>2023</b> , 107,	О
330	Statistical learning in acute and chronic pain.	О
329	Spinal control of locomotion before and after spinal cord injury.	О
328	Dynamic Environmental Conditions Affect the Composition of a Model Prebiotic Reaction Network. <b>2023</b> , 145, 7559-7568	О
327	Measuring the Quantum State of Dark Matter.	0
326	Multi-Scale Spiking Network Model of Human Cerebral Cortex.	O
325	Determinants of functional synaptic connectivity among amygdala-projecting prefrontal cortical neurons in male mice. <b>2023</b> , 14,	0
324	Aqueous habitats and carbon inputs shape the microscale geography and interaction ranges of soil bacteria. <b>2023</b> , 6,	О
323	Evidence of a cognitive bias in the quantification of COVID-19 with CT: an artificial intelligence randomised clinical trial. <b>2023</b> , 13,	О
322	Endogenous viral elements constitute a complementary source of antigens for personalized cancer immunotherapy.	О
321	A neural network-based PDE solving algorithm with high precision. <b>2023</b> , 13,	О
320	Molecular mechanisms of inorganic-phosphate release from the core and barbed end of actin filaments.	О
319	Pan-genome inversion index reveals evolutionary insights into the subpopulation structure of Asian rice. <b>2023</b> , 14,	О
318	An intracochlear electrocochleography dataset - from raw data to objective analysis using deep learning. <b>2023</b> , 10,	О
317	Reaction kinetics determination and uncertainty analysis for the synthesis of the cancer drug lomustine. <b>2023</b> , 275, 118591	О
316	Retinal ganglion cells adapt to ionic stress in experimental glaucoma. 17,	О

315	Stirred but not shaken: a multiwavelength view of HD 16743 debris disc. 2023, 521, 5940-5951	О
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310	Disparities in presentation and management of chronic hepatitis B among Hispanics in a diverse safety net system. <b>2023</b> , 7,	О
309	Non-structural genes of novel lemur adenoviruses reveal codivergence of virus and host. <b>2023</b> , 9,	0
308	Interference-induced anisotropy in a two-dimensional dark-state optical lattice. 2023, 107,	О
307	Photometric Catalogue for Space and Ground Night-Time Remote-Sensing Calibration: RGB Synthetic Photometry from Gaia DR3 Spectrophotometry. <b>2023</b> , 15, 1767	О
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305	CEERS Epoch 1 NIRCam Imaging: Reduction Methods and Simulations Enabling Early JWST Science Results. <b>2023</b> , 946, L12	0
	CEERS Epoch 1 NIRCam Imaging: Reduction Methods and Simulations Enabling Early JWST Science	
305	CEERS Epoch 1 NIRCam Imaging: Reduction Methods and Simulations Enabling Early JWST Science Results. <b>2023</b> , 946, L12  Lower vaccination coverage against COVID-19 in school-aged children is associated with low	0
305	CEERS Epoch 1 NIRCam Imaging: Reduction Methods and Simulations Enabling Early JWST Science Results. 2023, 946, L12  Lower vaccination coverage against COVID-19 in school-aged children is associated with low socioeconomic status in the Metropolitan Area of Santiago, Chile.  The Quest for the Missing Dust. II. Two Orders of Magnitude of Evolution in the Dust-to-gas Ratio	0
305 304 303	CEERS Epoch 1 NIRCam Imaging: Reduction Methods and Simulations Enabling Early JWST Science Results. 2023, 946, L12  Lower vaccination coverage against COVID-19 in school-aged children is associated with low socioeconomic status in the Metropolitan Area of Santiago, Chile.  The Quest for the Missing Dust. II. Two Orders of Magnitude of Evolution in the Dust-to-gas Ratio Resolved within Local Group Galaxies. 2023, 946, 42	0 0
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296	The Optical Light Curve of GRB 221009A: The Afterglow and the Emerging Supernova. <b>2023</b> , 946, L22	O
295	Proportionality, Integration Effect, and Legitimacy of the Electoral System to the Czech Chamber of Representatives: A Simulation study of the impacts of D'Hondt divisor, Imperiali Quota and Hare Quota.	O
294	Limit on Supernova Emission in the Brightest Gamma-Ray Burst, GRB 221009A. <b>2023</b> , 946, L25	O
293	Elemental Abundances of Kepler Objects of Interest in APOGEE DR17. 2023, 165, 178	0
292	Chromosomal dominance in apple after whole genome duplication. 2023, 57-64	О
291	Dynamics of Molecular Gas in the Central Region of the Quasar I Zwicky 1. <b>2023</b> , 946, 45	0
290	Clinical evaluation of optical spectral transmission imaging for detection of disease activity in rheumatoid arthritis. 1-9	O
289	Identifying the regional emergence of climate patterns in the ARISE-SAI-1.5 simulations. <b>2023</b> , 18, 044031	0
288	Efficient Solution of Discrete Subproblems Arising in Integer Optimal Control with Total Variation Regularization.	O
287	Long-Term and Meditation-Specific Modulations of Brain Connectivity Revealed Through Multivariate Pattern Analysis.	0
286	Prediction and Verification of Parker Solar Probe Solar Wind Sources at 13.3 R?. <b>2023</b> , 128,	Ο
285	Abnormal cerebral hemodynamics and blood-brain barrier permeability detected with perfusion MRI in systemic lupus erythematosus patients. <b>2023</b> , 38, 103390	0
284	Converging PMF calculations of antibiotic permeation across an outer membrane porin with sub-kilocalorie per mole accuracy.	O
283	Simulation-based inference of single-molecule force spectroscopy. <b>2023</b> , 4, 025009	0
282	Analytical Formulation of the Second-Order Derivative of Energy for the Orbital-Optimized Variational Quantum Eigensolver: Application to Polarizability. <b>2023</b> , 19, 1998-2009	Ο
281	The connectome of an insect brain. <b>2023</b> , 379,	1
280	The Road Less Traveled: Uncovering the Convergence Toward Specific Pleiotropic Phenotypes in Aging.	Ο

279	KIFRey Interactions Finder: A program to identify the key molecular interactions that regulate protein conformational changes. <b>2023</b> , 158, 144114	O
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277	Constraining the shape of dark matter haloes with globular clusters and diffuse stellar light in the E-MOSAICS simulations. <b>2023</b> , 521, 6368-6382	О
276	Modelling Disease Mitigation at Mass Gatherings: A Case Study of COVID-19 at the 2022 FIFA World Cup.	O
275	Visual integration of omics data to improve 3D models of fungal chromosomes.	Ο
274	Large neutral amino acid levels tune perinatal neuronal excitability and survival. 2023,	O
273	Abnormalities in intron retention characterize patients with systemic lupus erythematosus. <b>2023</b> , 13,	Ο
272	Forming intracluster gas in a galaxy protocluster at a redshift of 2.16. <b>2023</b> , 615, 809-812	Ο
271	Physics-regularized neural network of the ideal-MHD solution operator in Wendelstein 7-X configurations. <b>2023</b> , 63, 066020	0
270	Mock data study for next-generation ground-based detectors: The performance loss of matched filtering due to correlated confusion noise. <b>2023</b> , 107,	O
269	Enabling High Precision Gradient Index Control in Subsurface Multiphoton Lithography.	O
268	New Observational H(z) Data from Full-spectrum Fitting of Cosmic Chronometers in the LEGA-C Survey. <b>2023</b> , 265, 48	O
267	Five years later, with double the demographic data, naked mole-rat mortality rates continue to defy Gompertzian laws by not increasing with age.	O
266	How well do contemporary knowledge tracing algorithms predict the knowledge carried out of a digital learning game?.	O
265	The Undiscovered Ultradiffuse Galaxies of the Local Group. <b>2023</b> , 946, L37	O
264	Hedging cryptos with Bitcoin futures. 1-23	O
263	Local equilibrium in liquid phase shock waves. <b>2023</b> , 107,	О
262	Log-normalizing to read depth outperforms compositional data transformations in machine learning applications.	Ο

261	Simulation of Tetrahedral Profiled Carbon Rovings for Concrete Reinforcements. 2023, 16, 2767	О
260	Applying the core-satellite species concept: Characteristics of rare and common riverine dissolved organic matter. 5,	Ο
259	Generating Protein Folding Trajectories Using Contact-Map-Driven Directed Walks. 2023, 63, 2181-2195	О
258	Fatty Acid Induced Hypermethylation in the Slc2a4 Gene in Visceral Adipose Tissue Is Associated to Insulin-Resistance and Obesity. <b>2023</b> , 24, 6417	O
257	Continuous Semi-Supervised Nonnegative Matrix Factorization. 2023, 16, 187	O
256	Development of a scoring function for comparing simulated and experimental tumor spheroids. <b>2023</b> , 19, e1010471	O
255	Pain Detection in Biophysiological Signals: Knowledge Transfer from Short-Term to Long-Term Stimuli Based on Distance-Specific Segment Selection. <b>2023</b> , 12, 71	О
254	Climatic and environmentally driven variability in lacustrine brGDGT distributions at local to regional scales in Alaska and northwestern Canada. <b>2023</b> , 104604	O
253	Evaluation of Moisture Performance of Tall Wood Building Envelope under Climate Change in Different Canadian Climatic Regions. <b>2023</b> , 14, 718	O
252	Vibroscape analysis reveals acoustic niche overlap and plastic alteration of vibratory courtship signals in ground-dwelling wolf spiders.	O
251	Social gaze cueing elicits facilitatory and inhibitory effects on movement execution when the model might act on an object. 174702182311625	O
250	Implications for the Formation of (155140) 2005 UD from a New Convex Shape Model. <b>2023</b> , 4, 56	O
249	Bubble in the Whale: Identifying the Optical Counterparts and Extended Nebula for the Ultraluminous X-Ray Sources in NGC 4631. <b>2023</b> , 946, 72	O
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247	Real-Time Interactive Navigation on Input-Output Data Sets in Chemical Processes.	O
246	Altered interpersonal distance regulation in autism spectrum disorder. <b>2023</b> , 18, e0283761	O
245	An Example of Application of Machine Learning Method to Laboratory Medicine: Determination of Newborn Reference Ranges. <b>2023</b> , 4, 95-102	О
244	An analytical representation of raindrop size distribution in a mixed convective and stratiform precipitating system as revealed by field observations.	O

243	A machine learning microstructurally predictive framework for the failure of hydrided zirconium alloys. <b>2023</b> , 7,	О
242	Mapping state transition susceptibility in quantum annealing. <b>2023</b> , 5,	O
241	Bispecific antibodies combine breadth, potency, and avidity of parental antibodies to neutralize sarbecoviruses. <b>2023</b> , 26, 106540	О
240	Optimal Sensor Set for Decoding Motor Imagery from EEG. <b>2023</b> , 13, 4438	1
239	Contamination detection and microbiome exploration with GRIMER. 2022, 12,	0
238	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. <b>2023</b> , 24, 6504	O
237	PySilSub: An open-source Python toolbox for implementing the method of silent substitution in vision and non-visual photoreception research.	0
236	Inverse Laplace Transform Approaches to MMR Relaxation. <b>2023</b> , 2462, 012015	O
235	Transfer learning for cross-context prediction of protein expression from 5DTR sequence.	О
234	TESS Observations of the Pleiades Cluster: A Nursery for 🖾 cuti Stars. 2023, 946, L10	O
233	Radial linear stability of nonrelativistic 🛭 boson stars. <b>2023</b> , 107,	0
232	Inverse Design of SiN based Wavelength Demultiplexer. 2023,	O
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230	Metaboverse enables automated discovery and visualization of diverse metabolic regulatory patterns. <b>2023</b> , 25, 616-625	O
229	CEERS Key Paper. IV. A Triality in the Nature of HST-dark Galaxies. 2023, 946, L16	0
228	A social niche breadth score reveals niche range strategies of generalists and specialists.	O
227	Search for a Black Hole Binary in Gaia DR3 Astrometric Binary Stars with Spectroscopic Data. <b>2023</b> , 946, 79	0
226	VisNIR Spectroscopy Combined with GAN Data Augmentation for Predicting Soil Nutrients in Degraded Alpine Meadows on the Qinghaillibet Plateau. <b>2023</b> , 23, 3686	O

225	Interpretable polynomial neural ordinary differential equations. 2023, 33, 043101	О
224	Lung, nodule and airway segmentation using partially annotated data. 2023,	O
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222	Predicting patient decompensation from continuous physiologic monitoring in the emergency department. <b>2023</b> , 6,	O
221	A machine learning approach to discover migration modes and transition dynamics of heterogeneous dendritic cells. 14,	0
220	Swing amplification and the Gaia phase spirals. <b>2023</b> , 522, 477-487	O
219	Characterization of Low-mass Companions to Kepler Objects of Interest Observed with APOGEE-N. <b>2023</b> , 265, 50	O
218	Recursive computed ABC (cABC) analysis as a precise method for reducing machine learning based feature sets to their minimum informative size. <b>2023</b> , 13,	O
217	5-MeO-DMT modifies innate behaviors and promotes structural neural plasticity in mice.	O
216	Unselfish traits and social decision-making patterns characterize six populations of real-world extraordinary altruists. <b>2023</b> , 14,	O
215	Insights into the Role of Defects in Fe2(MoO4)3 Catalysts. 2023, 127, 7019-7026	О
214	Openseize: A digital signal processing package for large EEG datasets in Python. <b>2023</b> , 8, 5126	O
213	Contemporaneous Observations of Hauminosities and Photometric Amplitudes for M Dwarfs. <b>2023</b> , 165, 192	O
212	Measurement of lepton mass squared moments in B-&cIIIdecays with the Belle II experiment. <b>2023</b> , 107,	O
211	Adaptive basis sets for practical quantum computing.	О
210	How much can farmers pay for weeding robots? A Monte Carlo simulation study.	O
209	Influence of Estimators and Numerical Approaches on the Implementation of NMPCs. 2023, 11, 1102	O
208	Examining the Impact of the COVID-19 Pandemic on Burnout and Stress Among U.S. Nurses. <b>2023</b> , 14, 4-12	O

207	Metal line emission from galaxy haloes at z 🗈 . <b>2023</b> , 522, 535-558	О
206	An approach to learn regulation to maximize growth and entropy production rates in metabolism. 3,	О
205	Prospective Genomic Surveillance Reveals Cryptic MRSA Outbreaks with Local to International Origins among NICU Patients.	0
204	Exploring the microbiome of oral epithelial dysplasia as a predictor of malignant progression. <b>2023</b> , 23,	o
203	pyTANSPEC: A data reduction package for TANSPEC. <b>2023</b> , 44,	0
202	Deconvolution with neural grid compression: A method to accurately and quickly process beamforming results. <b>2023</b> , 153, 2073-2089	o
201	A Data-Driven Framework for Computationally Efficient Integration of Chemical Kinetics Using Neural Ordinary Differential Equations. <b>2023</b> , 2,	0
200	Depth-Resolved Measurements of the Meissner Screening Profile in Surface-Treated Nb. <b>2023</b> , 19,	О
199	Constraining IDM with density-split clustering. 2023, 522, 606-625	0
198	Experimental determination of differential scattering coefficients for nickel by means of linearly polarized x-ray radiation. <b>2023</b> , 60, 035001	О
197	A verified and validated moving domain computational fluid dynamics solver with applications to cardiovascular flows.	0
196	Local stellar formation history from the 40 pc white dwarf sample. <b>2023</b> , 522, 1643-1661	О
195	Perfusion and T 2 Relaxation Time as Predictors of Severity and Outcome in Sepsis-Associated Acute Kidney Injury: A Preclinical MRI Study.	0
194	Cell Painting-based bioactivity prediction boosts high-throughput screening hit-rates and compound diversity.	o
193	Model exploration in gravitational-wave astronomy with the maximum population likelihood. <b>2023</b> , 5,	0
192	Modelling the cosmological LymanWerner background radiation field in the early Universe. <b>2023</b> , 522, 330-349	o
191	Population structure and genome-wide evolutionary signatures reveal putative climate-driven habitat change and local adaptation in the large yellow croaker.	0
190	Testing protoplanetary disc evolution with CO fluxes. <b>2023</b> , 672, L15	О

189	Circuit Topology Approach for the Comparative Analysis of Intrinsically Disordered Proteins.	O
188	Cosmological constraints from galaxy clusters and groups in the eROSITA final equatorial depth survey. <b>2023</b> , 522, 1601-1642	O
187	Galaxy and Mass Assembly (GAMA): Low-redshift Quasars and Inactive Galaxies Have Similar Neighbors´. <b>2023</b> , 946, 116	0
186	BBOB Instance Analysis: Landscape Properties and Algorithm Performance Across Problem Instances. <b>2023</b> , 380-395	O
185	Spatially explicit ecological modeling improves empirical characterization of plant pathogen dispersal.	O
184	Thermodynamically consistent determination of free energies and rates in kinetic cycle models.	O
183	Lustro: High-throughput optogenetic experiments enabled by automation and a yeast optogenetic toolkit.	0
182	The scverse project provides a computational ecosystem for single-cell omics data analysis.	O
181	An intelligent platform of services based on multimedia understanding and telehealth for supporting the management of SARS-CoV-2 multi-pathological patients. <b>2022</b> ,	0
180	Enhancing Conformational Sampling for Intrinsically Disordered and Ordered Proteins by Variational Autoencoder. <b>2023</b> , 24, 6896	O
179	SigPrimedNet: A Signaling-Informed Neural Network for scRNA-seq Annotation of Known and Unknown Cell Types. <b>2023</b> , 12, 579	0
178	AGN STORM 2. III. A NICER View of the Variable X-Ray Obscurer in Mrk 817. <b>2023</b> , 947, 2	O
177	Distribution and abundance of tetraether lipid cyclization genes in terrestrial hot springs reflect pH.	0
176	Poro-viscoelastic material parameter identification of brain tissue-mimicking hydrogels. 11,	O
175	Environmental determinants of access to shared sanitation in informal settlements: a cross-sectional study in Abidjan and Nairobi. <b>2023</b> , 12,	O
174	Integrative modeling of tumor genomes and epigenomes for enhanced cancer diagnosis by cell-free DNA. <b>2023</b> , 14,	O
173	In-silico EEG biomarkers of reduced inhibition in human cortical microcircuits in depression. <b>2023</b> , 19, e1010986	0
172	Evolution of collisional neutrino flavor instabilities in spherically symmetric supernova models. <b>2023</b> , 107,	O

171	Targeted MRM Quantification of Urinary Proteins in Chronic Kidney Disease Caused by Glomerulopathies. <b>2023</b> , 28, 3323	O
170	Ion Conduction Mechanisms in Potassium Channels Revealed by Permeation Cycles.	O
169	pyHeart4Fish: Chamber-specific heart phenotype quantification of zebrafish in high-content screens. 11,	O
168	Improved Fracture Segmentation from Unwrapped Drill-Core Images Using an Innovative Two-Stage Segmentation Approach.	O
167	The soil-borne white root rot pathogenRosellinia necatrixexpresses antimicrobial proteins during host colonization.	0
166	Trigonal warping effects on optical properties of anomalous Hall materials. 2023, 107,	O
165	Mechanostat parameters estimated from time-lapsed in vivo micro-computed tomography data of mechanically driven bone adaptation are logarithmically dependent on loading frequency. 11,	O
164	Extension of the Trotterized Unitary Coupled Cluster to Triple Excitations. <b>2023</b> , 127, 3543-3550	O
163	Symmetrization of Localized Molecular Orbitals. <b>2023</b> , 127, 3535-3542	O
162	Neural network analysis of pharyngeal sounds can detect obstructive upper respiratory disease in brachycephalic dogs.	O
161	Validation and Testing of the CROBAR 3D Coronal Reconstruction Method with a MURaM Simulation. <b>2023</b> , 947, 5	0
160	Unified model for the LISA measurements and instrument simulations. <b>2023</b> , 107,	O
159	Helical Wrapping of Cylindrical Tubes by Wormlike-Chain Polymers.	O
158	An Integrative Multiomics Framework for Identification of Therapeutic Targets in Pulmonary Fibrosis.	O
157	Revealing the Interior Structure of Icy Moons with a Bayesian Approach to Magnetic Induction Measurements. <b>2023</b> , 4, 62	0
156	Modelling & amp; Analysis of High Impact Terrorist Attacks in India & amp; Its Neighbors. <b>2023</b> , 12, 162	O
155	Screening for Major Depressive Disorder Using a Wearable Ultra-Short-Term HRV Monitor and Signal Quality Indices. <b>2023</b> , 23, 3867	0
154	Static energy in (2+1+1)-flavor lattice QCD: Scale setting and charm effects. 2023, 107,	O

153	Extrachromosomal DNA in the cancerous transformation of Barrett® oesophagus.	0
152	On-person adaptive evolution of Staphylococcus aureus during treatment for atopic dermatitis. <b>2023</b> , 31, 593-603.e7	O
151	Detection of Cosmological 21 cm Emission with the Canadian Hydrogen Intensity Mapping Experiment. <b>2023</b> , 947, 16	0
150	Simulation-based Reconstructed Diffusion unveils the effect of aging on protein diffusion in Escherichia coli.	O
149	Trained recurrent neural networks develop phase-locked limit cycles in a working memory task.	0
148	RRP Nb3Sn Subelement Shear Dependence on Hexagonal Subelement Stack Orientation and the Strand's Position Within a Rutherford Cable. <b>2023</b> , 33, 1-5	O
147	All Spectral Type LAMOST Spectra Library (ATLAS). <b>2023</b> , 265, 61	0
146	SIR-SI model with a Gaussian transmission rate: Understanding the dynamics of dengue outbreaks in Lima, Peru. <b>2023</b> , 18, e0284263	O
145	General expressions of molecular multicenter integrals for Slater-type orbitals.	0
144	Hip joint load prediction using inverse bone remodeling with homogenized FE models: Comparison to micro-FE and influence of material modeling strategy. <b>2023</b> , 236, 107549	Ο
143	Barcode-free multiplex plasmid sequencing using Bayesian analysis and nanopore sequencing.	Ο
142	A magnified compact galaxy at redshift 9.51 with strong nebular emission lines.	Ο
141	Promoter evolution of mammalian gene duplicates. <b>2023</b> , 21,	Ο
140	Entanglement complexity of the Rokhsar-Kivelson-sign wavefunctions. 2023, 107,	O
139	Monitoring variability in parameter estimates for lumped parameter models of the systemic circulation using longitudinal hemodynamic measurements. <b>2023</b> , 22,	0
138	Locating Operational Events of the Cooling Tower of a Nuclear Reactor with a Very Local Seismic Network.	Ο
137	Amino acids integrate behaviors in nerveless placozoans. 17,	0
136	Application of the non-uniform Fourier transform to non-uniformly sampled Fourier transform spectrometers. <b>2023</b> , 129491	O

135	Spectral Classification of Large-Scale Blended (Micro)Plastics Using FT-IR Raw Spectra and Image-Based Machine Learning.	О
134	Desensitization dynamics of the AMPA receptor. 2023,	Ο
133	TIC 219006972: a compact, coplanar quadruple star system consisting of two eclipsing binaries with an outer period of 168′d. <b>2023</b> , 522, 90-101	0
132	Stress testing IDM with high-redshift galaxy candidates.	Ο
131	Genomic and metabolic analyses reveal antagonistic lanthipeptides in archaea. 2023, 11,	0
130	The potential evaluation of groundwater by integrating rank sum ratio (RSR) and machine learning algorithms in the Qaidam Basin.	O
129	REM Sleep Impairment May Underlie Sleep-Driven Modulations of Tinnitus in Sleep Intermittent Tinnitus Subjects: A Controlled Study. <b>2023</b> , 20, 5509	Ο
128	60 Microlensing Events from the Three Years of Zwicky Transient Facility Phase One. <b>2023</b> , 947, 24	Ο
127	Nuclear Activity in the Low-metallicity Dwarf Galaxy SDSS J0944-0038 : A Glimpse into the Primordial Universe. <b>2023</b> , 946, L38	0
126	Chebyshev pseudosite matrix product state approach for the spectral functions of electron-phonon coupling systems. <b>2023</b> , 5,	O
125	Saying Hallo to M94's Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge Host in the Local Universe. <b>2023</b> , 947, 21	O
124	Interpretation of a deep analysis of speech imagery features extracted by a capsule neural network. <b>2023</b> , 159, 106909	O
123	Unveiling the nature of infrared bright, optically dark galaxies with early JWST data. 2023, 522, 449-456	0
122	A MUSE view of the multiple interacting system HCG 31.	O
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