

# LSST: From Science Drivers to Reference Design and An

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Grid-Based Distributed Database Solution for Large Astronomy Datasets. , 2008, , .		8
2	A portable observatory for persistent monitoring of the night sky. Proceedings of SPIE, 2010, , .	0.8	5
3	Spectrophotometric calibration system for DECam. Proceedings of SPIE, 2010, , .	0.8	10
4	A new method for reducing the storage requirements of numerical simulation data. , 2010, , .		3
5	An Early Warning System for Asteroid Impact. Publications of the Astronomical Society of the Pacific, 2011, 123, 58-73.	1.0	126
6	Optical Spectroscopy with the Technology of Virtual Observatory. Open Astronomy, 2011, 20, .	0.2	3
7	Supporting Shared Resource Usage for a Diverse User Community: the OSG Experience and Lessons Learned. Journal of Physics: Conference Series, 2012, 396, 032046.	0.3	5
8	VisIVO Workflow-Oriented Science Gateway for Astrophysical Visualization. , 2013, , .		6
9	Experimental demonstration of a stacked SOI multiband charged-coupled device. , 2014, , .		0
10	A framework for building hypercubes using MapReduce. Computer Physics Communications, 2014, 185, 1429-1438.	3.0	8
11	An Android application for receiving notifications of astrophysical transient events. Astronomy and Computing, 2014, 6, 19-27.	0.8	1
12	Relativistic weak lensing from a fully non-linear cosmological density field. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 021-021.	1.9	8
13	Automated variability selection in time-domain imaging surveys using sparse representations with learned dictionaries. , 2015, , .		0
14	The General Single-Dish Data format: A retrospective. Astronomy and Computing, 2015, 12, 162-173.	0.8	0
15	Time-delay cosmography: increased leverage with angular diameter distances. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 031-031.	1.9	54
16	Automated supernova Ia classification using adaptive learning techniques. , 2016, , .		5
17	The Large Synoptic Survey Telescope: Projected near-Earth object discovery performance. , 2016, , .		0
18	From blackbirds to black holes: Investigating capture-recapture methods for time domain astronomy. New Astronomy, 2017, 54, 91-102.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Fast and Scalable Gaussian Process Modeling with Applications to Astronomical Time Series. <i>Astronomical Journal</i> , 2017, 154, 220.	1.9	555
20	Photometric redshift estimation: An active learning approach. , 2017, , .		1
21	Clustering of Astronomical Transient Candidates Using Deep Variational Embedding. , 2018, , .		0
22	Bulk flow in the combined 2MTF and 6dFGSv surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 5150-5166.	1.6	16
23	Prospects for Determining the Mass Distributions of Galaxy Clusters on Large Scales Using Weak Gravitational Lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	11
24	Linking asteroid detections from the large synoptic survey telescope. , 2018, , .		0
25	Testing photometric redshift measurements with filter definition of the Chinese Space Station Optical Survey (CSS-OS). <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	37
26	An Unusual Transient in the Extremely Metal-Poor Galaxy SDSSJ094332.35+332657.6 (Leoncino Dwarf). <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	4
27	Detection of intercluster gas in superclusters using the thermal Sunyaev-Zeldovich effect. <i>Astronomy and Astrophysics</i> , 2019, 625, A67.	2.1	31
28	Explicit Bayesian treatment of unknown foreground contaminations in galaxy surveys. <i>Astronomy and Astrophysics</i> , 2019, 624, A115.	2.1	16
29	Stingray: A Modern Python Library for Spectral Timing. <i>Astrophysical Journal</i> , 2019, 881, 39.	1.6	131
30	Photometric redshifts for X-ray-selected active galactic nuclei in the eROSITA era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 663-680.	1.6	15
31	Observational properties of thermonuclear supernovae. <i>Nature Astronomy</i> , 2019, 3, 706-716.	4.2	92
32	Painting halos from cosmic density fields of dark matter with physically motivated neural networks. <i>Physical Review D</i> , 2019, 100, .	1.6	25
33	Screening and degenerate kinetic self-acceleration from the nonlinear freedom of reconstructed Horndeski theories. <i>Physical Review D</i> , 2019, 100, .	1.6	6
34	Hyper Wide Field Imaging of the Local Group Dwarf Irregular Galaxy IC 1613: An Extended Component of Metal-poor Stars. <i>Astrophysical Journal</i> , 2019, 880, 104.	1.6	9
35	Robust identification of active galactic nuclei through HST optical variability in GOODS-S: comparison with the X-ray and mid-IR-selected samples.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4285-4304.	1.6	13
36	Searching for fast extragalactic X-ray transients in Chandra surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4721-4736.	1.6	12

#	ARTICLE	IF	CITATIONS
37	On the relative bias of void tracers in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2836-2852.	1.6	37
38	Classifying the unknown: Discovering novel gravitational-wave detector glitches using similarity learning. Physical Review D, 2019, 99, .	1.6	29
39	SILVERRUSH. VII. Subaru/HSC Identifications of Protocluster Candidates at $z \sim 6$ : Implications for Cosmic Reionization. Astrophysical Journal, 2019, 879, 28.	1.6	47
40	Models and Simulations for the Photometric LSST Astronomical Time Series Classification Challenge (PLAsTiCC). Publications of the Astronomical Society of the Pacific, 2019, 131, 094501.	1.0	85
41	Impact of Weak Lensing Mass Calibration on eROSITA Galaxy Cluster Cosmological Studies a Forecast. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	14
42	A comprehensive examination of the optical morphologies of 719 isolated galaxies in the AMIGA sample. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2175-2189.	1.6	16
43	Generating Transit Light Curves with Variational Autoencoders. , 2019, , .		1
44	Effects of baryons on weak lensing peak statistics. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 011-011.	1.9	23
45	Discovery prospects of dwarf spheroidal galaxies for indirect dark matter searches. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 040-040.	1.9	6
46	Identification of Stellar Flares Using Differential Evolution Template Optimization. Astronomical Journal, 2019, 158, 119.	1.9	4
47	Hunting for the Dark Matter Wake Induced by the Large Magellanic Cloud. Astrophysical Journal, 2019, 884, 51.	1.6	111
48	Ultra-deep tidal disruption events: prompt self-intersections and observables. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5267-5278.	1.6	11
49	Optimizing multitelescope observations of gravitational-wave counterparts. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5775-5783.	1.6	35
50	Deep-CEE I: fishing for galaxy clusters with deep neural nets. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5770-5787.	1.6	11
51	OSSOS. XVIII. Constraining Migration Models with the 2:1 Resonance Using the Outer Solar System Origins Survey. Astronomical Journal, 2019, 158, 214.	1.9	10
52	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2019, 631, A85.	2.1	40
53	Optimal Search Strategy for Finding Transients in Large-sky Error Regions under Realistic Constraints. Astrophysical Journal, 2019, 876, 104.	1.6	5
54	The QUEST-La Silla AGN Variability Survey: Selection of AGN Candidates through Optical Variability. Astrophysical Journal, Supplement Series, 2019, 242, 10.	3.0	15

#	ARTICLE	IF	CITATIONS
55	Second data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	320
56	Probing the isotropy of cosmic acceleration using different supernova samples. European Physical Journal C, 2019, 79, 1.	1.4	16
57	Gaussian mixture models for blended photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3966-3986.	1.6	3
58	Predicting the LISA white dwarf binary population in the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5888-5903.	1.6	95
59	OSSOS. XIII. Fossilized Resonant Dropouts Tentatively Confirm Neptune's Migration Was Grainy and Slow. Astronomical Journal, 2019, 157, 253.	1.9	26
60	Marvin: A Tool Kit for Streamlined Access and Visualization of the SDSS-IV MaNGA Data Set. Astronomical Journal, 2019, 158, 74.	1.9	120
61	Can Reverberation-measured Quasars Be Used for Cosmology?. Astrophysical Journal, 2019, 883, 170.	1.6	51
62	OSSOS. XII. Variability Studies of 65 Trans-Neptunian Objects Using the Hyper Suprime-Cam. Astrophysical Journal, Supplement Series, 2019, 244, 19.	3.0	7
63	An accurate fitting function for scale-dependent growth rate in Hu-Sawicki $\Lambda$ CDM gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 066-066.	1.9	6
64	RAPID: Early Classification of Explosive Transients Using Deep Learning. Publications of the Astronomical Society of the Pacific, 2019, 131, 118002.	1.0	91
65	Deblending and classifying astronomical sources with Mask R-CNN deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3952-3965.	1.6	43
66	Forecasts of cosmological constraints from Type Ia supernovae including the weak-lensing convergence. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 033-033.	1.9	7
67	Investigating the degeneracy between modified gravity and massive neutrinos with redshift-space distortions. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 040-040.	1.9	19
68	A rogues gallery of Andromeda's dwarf galaxies II. Precise distances to 17 faint satellites. Monthly Notices of the Royal Astronomical Society, 2019, 489, 763-770.	1.6	19
69	Unequal time correlators and the Zel'dovich approximation. Physical Review D, 2019, 100, .	1.6	10
70	possis: predicting spectra, light curves, and polarization for multidimensional models of supernovae and kilonovae. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5037-5045.	1.6	113
71	The CFHT Large Area U-band Deep Survey (CLAUDS). Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	48
72	Mergers of black hole-neutron star binaries and rates of associated electromagnetic counterparts. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5289-5309.	1.6	19

#	ARTICLE	IF	CITATIONS
73	Asymmetric Mean Metallicity Distribution of the Milky Way's Disk. <i>Astrophysical Journal Letters</i> , 2019, 878, L31.	3.0	10
74	How Bright Are Fast Optical Bursts Associated With Fast Radio Bursts?. <i>Astrophysical Journal</i> , 2019, 878, 89.	1.6	30
75	The stellar halo of isolated central galaxies in the Hyper Suprime-Cam imaging survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1580-1606.	1.6	23
76	A general framework to test gravity using galaxy clusters II: A universal model for the halo concentration in $f(R)$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1410-1425.	1.6	20
77	The Physics of the Accelerating Universe Camera. <i>Astronomical Journal</i> , 2019, 157, 246.	1.9	24
78	Features of Accretion-phase Gravitational-wave Emission from Two-dimensional Rotating Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2019, 878, 13.	1.6	29
79	Galaxy formation and evolution science in the era of the Large Synoptic Survey Telescope. <i>Nature Reviews Physics</i> , 2019, 1, 450-462.	11.9	17
80	A Strategy for LSST to Unveil a Population of Kilonovae without Gravitational-wave Triggers. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 068004.	1.0	19
81	Deep Neural Network Classifier for Variable Stars with Novelty Detection Capability. <i>Astrophysical Journal Letters</i> , 2019, 877, L14.	3.0	22
82	Identification of Young Stellar Object candidates in the Gaia DR2 x AllWISE catalogue with machine learning methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2522-2537.	1.6	51
83	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. <i>Astronomical Journal</i> , 2019, 158, 16.	1.9	16
84	Steve: A Hierarchical Bayesian Model for Supernova Cosmology. <i>Astrophysical Journal</i> , 2019, 876, 15.	1.6	19
85	Cluster Cosmology Constraints from the 2500 deg <sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	1.6	211
86	Detecting baryon acoustic oscillations in dark matter from kinematic weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 253-267.	1.6	1
87	On the dissection of degenerate cosmologies with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 104-122.	1.6	27
88	The Universe at extreme magnification. <i>Astronomy and Astrophysics</i> , 2019, 625, A84.	2.1	41
89	Morphology-assisted galaxy mass-to-light predictions using deep learning. <i>Astronomy and Astrophysics</i> , 2019, 624, A102.	2.1	7
90	The Zwicky Transient Facility: Surveys and Scheduler. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 068003.	1.0	205

#	ARTICLE	IF	CITATIONS
91	The impact of photometric redshift errors on lensing statistics in ray-tracing simulations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2730-2753.	1.6	4
92	Galaxy morphology prediction using Capsule Networks. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1539-1547.	1.6	10
93	Presto-Color: A Photometric Survey Cadence for Explosive Physics and Fast Transients. Publications of the Astronomical Society of the Pacific, 2019, 131, 068002.	1.0	14
94	The insignificance of Seyfert 2 activity in driving cold-gas galactic winds. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1608-1619.	1.6	6
95	A Bayesian quantification of consistency in correlated datasets. Monthly Notices of the Royal Astronomical Society, 2019, , .	1.6	13
96	The effective field theory of large scale structure at three loops. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 027-027.	1.9	36
97	Surveys with small optical telescopes. Astronomy and Geophysics, 2019, 60, 6.14-6.18.	0.1	0
98	Candidate Hypervelocity Red Clump Stars in the Galactic Bulge Found Using the VVV and Gaia Surveys*. Astrophysical Journal Letters, 2019, 887, L39.	3.0	9
99	Clustered Hierarchical Entropy-Scaling Search of Astronomical and Biological Data. , 2019, , .		2
100	Partial Stellar Disruption by a Supermassive Black Hole: Is the Light Curve Really Proportional to $t^{-9/4}$ ?. Astrophysical Journal Letters, 2019, 883, L17.	3.0	58
101	Classification of Astronomical Objects Using Light Curve Profile. , 2019, , .		1
102	The Rate of iPTF 14gqr like Ultra-stripped Supernovae and Binary Evolution Leading to Double Neutron Star Formation. Astrophysical Journal, 2019, 882, 93.	1.6	7
103	Clustered Hierarchical Entropy-Scaling Search of Astronomical and Biological Data. , 2019, , .		2
104	Cyberinfrastructure Center of Excellence Pilot: Connecting Large Facilities Cyberinfrastructure. , 2019, , .		2
105	In-flight photometry extraction of PLATO targets. Astronomy and Astrophysics, 2019, 627, A71.	2.1	9
106	Have we seen all the galaxies that comprise the cosmic infrared background at $250\mu\text{m}$ and $500\mu\text{m}$ ?. Monthly Notices of the Royal Astronomical Society, 2019, , .	1.6	3
107	Towards emulating cosmic shear data: revisiting the calibration of the shear measurements for the Kilo-Degree Survey. Astronomy and Astrophysics, 2019, 624, A92.	2.1	72
108	Survey of gravitationally-lensed objects in HSC imaging (SuGOHI). Astronomy and Astrophysics, 2019, 630, A71.	2.1	47

#	ARTICLE	IF	CITATIONS
109	Are starburst galaxies a common source of high energy neutrinos and cosmic rays?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 073-073.	1.9	19
110	Forecasts of cosmological constraints from HI intensity mapping with FAST, BINGO and SKA-I. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 186.	0.7	7
111	Toward Rate Estimation for Transient Surveys. I. Assessing Transient Detectability and Volume Sensitivity for iPTF. <i>Astrophysical Journal</i> , 2019, 881, 128.	1.6	4
112	The <i>Hubble</i> Catalog of Variables (HCV). <i>Astronomy and Astrophysics</i> , 2019, 630, A92.	2.1	5
113	Kilonova afterglow rate from spherical and axisymmetrical models. <i>Astronomische Nachrichten</i> , 2019, 340, 586-592.	0.6	0
114	Automated Transient Detection with Shapelet Analysis in Image-subtracted Data. <i>Astronomical Journal</i> , 2019, 158, 172.	1.9	4
115	Progenitors of Type IIb Supernovae. I. Evolutionary Pathways and Rates. <i>Astrophysical Journal</i> , 2019, 885, 130.	1.6	42
116	Stellar Velocity Dispersion of a Massive Quenching Galaxy at $z \approx 4.01$ . <i>Astrophysical Journal Letters</i> , 2019, 885, L34.	3.0	61
117	Screened fifth forces in parity-breaking correlation functions. <i>Physical Review D</i> , 2019, 100, .	1.6	3
118	Emulators for the nonlinear matter power spectrum beyond $\Lambda$ CDM. <i>Physical Review D</i> , 2019, 100, .	1.6	32
119	YBC: a stellar bolometric corrections database with variable extinction coefficients. <i>Astronomy and Astrophysics</i> , 2019, 632, A105.	2.1	80
120	Stellar Population and Structural Properties of Dwarf Galaxies and Young Stellar Systems in the M81 Group. <i>Astrophysical Journal</i> , 2019, 884, 128.	1.6	16
121	Identification of a Minimoons Fireball. <i>Astronomical Journal</i> , 2019, 158, 183.	1.9	5
122	The European Space Agency's Comet Interceptor lies in wait. <i>Nature Communications</i> , 2019, 10, 5418.	5.8	88
123	Current and Future Applications of Reverberation-Mapped Quasars in Cosmology. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	27
124	Online Data Thinning via Multi-Subspace Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 1173-1187.	9.7	5
125	On a century of extragalactic novae and the rise of the rapid recurrent novae. <i>Advances in Space Research</i> , 2020, 66, 1147-1168.	1.2	16
126	Discovering Earth's transient moons with the Large Synoptic Survey Telescope. <i>Icarus</i> , 2020, 338, 113517.	1.1	10



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127	The evolution of galaxy intrinsic alignments in the MassiveBlackII universe. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4116-4130.	1.6	17
128	Surveying the reach and maturity of machine learning and artificial intelligence in astronomy. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1349.	4.6	68
129	A darkness full of worlds: Prospects for discovery surveys in the outer solar system. , 2020, , 439-453.		2
130	A geometric probe of cosmology â€” I. Gravitational lensing time delays and quasar reverberation mapping. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1102-1109.	1.6	2
131	The $L_{\text{radio}}$ vs $L_{\text{jet}}$ radio relation and coronaâ€”jet connection in optically selected radio-loud quasars. Monthly Notices of the Royal Astronomical Society, 2020, 496, 245-268.	1.6	39
132	A clustering-based self-calibration of the richness-to-mass relation of CAMIRA galaxy clusters out to $z \sim 1.1$ in the Hyper Suprime-Cam survey. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2030-2053.	1.6	16
133	Compressing combined probes: redshift weights for joint lensing and clustering analyses. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2948-2956.	1.6	5
134	Improving galaxy clustering measurements with deep learning: analysis of the DECaLS DR7 data. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1613-1640.	1.6	27
135	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: $N$ -body mock challenge for the quasar sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 269-291.	1.6	41
136	Machine learning for transient recognition in difference imaging with minimum sampling effort. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6009-6017.	1.6	9
137	Photometric classification of Hyper Suprime-Cam transients using machine learning. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	13
138	A new multiwavelength census of blazars. Astronomy and Astrophysics, 2020, 641, A62.	2.1	4
139	Detection and analysis of clusterâ€”cluster filaments. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4876-4886.	1.6	14
140	The edge of the Galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3929-3942.	1.6	34
141	Using machine learning for transient classification in searches for gravitational-wave counterparts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1320-1331.	1.6	10
142	Machine learning classification of Kuiper belt populations. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1391-1403.	1.6	9
143	Streams, Substructures, and the Early History of the Milky Way. Annual Review of Astronomy and Astrophysics, 2020, 58, 205-256.	8.1	205
144	Numerical solutions to Einsteinâ€™s equations in a shearing-dust universe: a code comparison. Classical and Quantum Gravity, 2020, 37, 154001.	1.5	13

#	ARTICLE	IF	CITATIONS
145	Lessons from counterpart searches in LIGO and Virgo's third observing campaign. <i>Nature Astronomy</i> , 2020, 4, 550-552.	4.2	14
146	The power of coordinate transformations in dynamical interpretations of Galactic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 818-828.	1.6	14
147	Neutron star mergers and how to study them. <i>Living Reviews in Relativity</i> , 2020, 23, 1.	8.2	31
148	Discovery of a Candidate Binary Supermassive Black Hole in a Periodic Quasar from Circumbinary Accretion Variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	24
149	Deblending galaxies with variational autoencoders: A joint multiband, multi-instrument approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 531-547.	1.6	22
150	Stellar property statistics of massive haloes from cosmological hydrodynamics simulations: common kernel shapes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 686-704.	1.6	26
151	Shapes and alignments of dark matter haloes and their brightest cluster galaxies in 39 strong lensing clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2591-2604.	1.6	24
152	Probability of simultaneous parallax detection for free-floating planet microlensing events near Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3235-3252.	1.6	6
153	Survey of Gravitationally lensed Objects in HSC Imaging (SuGOHI) – V. Group-to-cluster scale lens search from the HSC's SSP Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1291-1310.	1.6	30
154	Effective $J$ -factors for Milky Way dwarf spheroidal galaxies with velocity-dependent annihilation. <i>Physical Review D</i> , 2020, 102, .	1.6	18
155	Early dark energy does not restore cosmological concordance. <i>Physical Review D</i> , 2020, 102, .	1.6	182
156	Soundness of dark energy properties. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 045-045.	1.9	32
157	Discovery of an unusually compact lensed Lyman-break galaxy from the Hyper Suprime-Cam Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3156-3165.	1.6	7
158	Complex variability of <i>Kepler</i> AGN revealed by recurrence analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3418-3439.	1.6	6
159	The GALAH survey: multiple stars and our Galaxy. <i>Astronomy and Astrophysics</i> , 2020, 638, A145.	2.1	34
160	Fisher for complements: extracting cosmology and neutrino mass from the counts-in-cells PDF. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4006-4027.	1.6	69
161	Quantifying Suspiciousness within correlated data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4647-4653.	1.6	25
162	Vetting the optical transient candidates detected by the GWAC network using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2641-2650.	1.6	13

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163	Turbulence-induced deviation between baryonic field and dark matter field in the spatial distribution of the Universe. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4411-4423.	1.6	5
164	Density-based outlier scoring on Kepler data. Monthly Notices of the Royal Astronomical Society, 2020, 499, 524-542.	1.6	9
165	Modelling the large-scale mass density field of the universe as a function of cosmology and baryonic physics. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4800-4819.	1.6	54
166	Effects of redshift uncertainty on cross-correlations of CMB lensing and galaxy surveys. Physical Review D, 2020, 101, .	1.6	4
167	Constraining magnetic fields in the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3142-3151.	1.6	19
168	The LSST DESC data challenge 1: generation and analysis of synthetic images for next-generation surveys. Monthly Notices of the Royal Astronomical Society, 2020, 497, 210-228.	1.6	12
169	Cross-correlating Planck with VST ATLAS LRGs: a new test for the ISW effect in the Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4830-4844.	1.6	3
170	Recovering variable stars in large surveys: EAup Algol-type class in the Catalina Survey. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2833-2844.	1.6	5
171	BEER analysis of <i>Kepler</i> and <i>CoRoT</i> light curves – V. eBEER: extension of the algorithm to eccentric binaries. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4884-4895.	1.6	3
172	Positivity bounds on reconstructed Horndeski models. Physical Review D, 2020, 102, .	1.6	7
173	Using Precision Astrometry to Recover Near-Earth Object Candidates. , 2020, , .		1
174	Evaluation of probabilistic photometric redshift estimation approaches for The Rubin Observatory Legacy Survey of Space and Time (LSST). Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	29
175	An SU(2) Gauge Principle for the Cosmic Microwave Background: Perspectives on the Dark Sector of the Cosmological Model. Universe, 2020, 6, 135.	0.9	3
176	A 4% measurement of $H_0$ using the cumulative distribution of strong lensing time delays in doubly imaged quasars. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2871-2886.	1.6	13
177	Variability and transient search in the SUDARE – VOICE field: a new method to extract the light curves. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3825-3837.	1.6	1
178	Identifying galaxies, quasars, and stars with machine learning: A new catalogue of classifications for 111 million SDSS sources without spectra. Astronomy and Astrophysics, 2020, 639, A84.	2.1	44
179	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. Astronomy and Astrophysics, 2020, 638, A153.	2.1	42
180	Painting a portrait of the Galactic disc with its stellar clusters. Astronomy and Astrophysics, 2020, 640, A1.	2.1	265

#	ARTICLE	IF	CITATIONS
181	Late-time decaying dark matter: constraints and implications for the H <sub>0</sub> -tension. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1757-1764.	1.6	38
182	The Blanco DECam bulge survey. I. The survey description and early results. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2340-2356.	1.6	14
183	Data-driven image restoration with option-driven learning for big and small astronomical image data sets. Monthly Notices of the Royal Astronomical Society, 2020, 501, 291-301.	1.6	6
184	Stellar streams in chameleon gravity. Physical Review D, 2020, 102, .	1.6	4
185	Data Lab – A community science platform. Astronomy and Computing, 2020, 33, 100411.	0.8	7
186	Constraining early dark energy with large-scale structure. Physical Review D, 2020, 102, .	1.6	143
187	Prospects for detection and application of the alignment of galaxies with the large-scale velocity field. Physical Review D, 2020, 102, .	1.6	1
188	A quasar microlensing light-curve generator for LSST. Monthly Notices of the Royal Astronomical Society, 2020, 495, 544-553.	1.6	10
189	Galaxy And Mass Assembly (GAMA): assimilation of KiDS into the GAMA database. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3235-3256.	1.6	45
190	Multiwavelength classification of X-ray selected galaxy cluster candidates using convolutional neural networks. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4141-4153.	1.6	2
191	Dark Energy Survey identification of a low-mass active galactic nucleus at redshift 0.823 from optical variability. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3636-3647.	1.6	6
192	Dynamic zoom simulations: A fast, adaptive algorithm for simulating light-cones. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2685-2700.	1.6	2
193	Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. Monthly Notices of the Royal Astronomical Society, 2020, 498, 771-798.	1.6	12
194	Redshift inference from the combination of galaxy colours and clustering in a hierarchical Bayesian model – Application to realistic <i>N</i> -body simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2614-2631.	1.6	25
195	Optimizing LSST observing strategy for weak lensing systematics. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1140-1153.	1.6	4
196	A method for unmasking incomplete astronomical signals: Application to the CO Multi-line Imaging of Nearby Galaxies project. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	4
197	Precision cosmology in the era of large surveys. Journal of Instrumentation, 2020, 15, C10019-C10019.	0.5	0
198	Weak-lensing clusters from HSC survey first-year data: Mitigating the dilution effect of foreground and cluster-member galaxies. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	12

#	ARTICLE	IF	CITATIONS
199	Transformation Based Deep Anomaly Detection in Astronomical Images. , 2020, , .		7
200	Strong lensing time delay constraints on dark energy: a forecast. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 057-057.	1.9	7
201	Ranking candidate signals with machine learning in low-latency searches for gravitational waves from compact binary mergers. Physical Review D, 2020, 101, .	1.6	11
202	Host Galaxies of Type Ic and Broad-lined Type Ic Supernovae from the Palomar Transient Factory: Implications for Jet Production. Astrophysical Journal, 2020, 892, 153.	1.6	40
203	Distinguishing high-mass binary neutron stars from binary black holes with second- and third-generation gravitational wave observatories. Physical Review D, 2020, 101, .	1.6	27
204	Morpheus: A Deep Learning Framework for the Pixel-level Analysis of Astronomical Image Data. Astrophysical Journal, Supplement Series, 2020, 248, 20.	3.0	59
205	Redshift Evolution of Green Valley Galaxies in Different Environments from the Hyper Suprime-Cam Survey. Astrophysical Journal, 2020, 894, 125.	1.6	15
206	Deep spectroscopy in nearby galaxy clusters “ V. The Perseus cluster. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1681-1692.	1.6	9
207	Photometric Redshifts with the LSST. II. The Impact of Near-infrared and Near-ultraviolet Photometry. Astronomical Journal, 2020, 159, 258.	1.9	11
208	Tomographic galaxy clustering with the Subaru Hyper Suprime-Cam first year public data release. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 044-044.	1.9	41
209	Photometric Biases in Modern Surveys. Astronomical Journal, 2020, 159, 165.	1.9	10
210	A Classification Algorithm for Time-domain Novelties in Preparation for LSST Alerts. Application to Variable Stars and Transients Detected with DECam in the Galactic Bulge. Astrophysical Journal, 2020, 892, 112.	1.6	10
211	Enabling Catalog Simulations of Transient and Variable Sources Based on LSST Cadence Strategies. Astrophysical Journal, Supplement Series, 2020, 247, 60.	3.0	5
212	Web application for galaxy-targeted follow-up of electromagnetic counterparts to gravitational wave sources. Astronomy and Astrophysics, 2020, 634, A32.	2.1	8
213	Scale-invariant dynamics in the Solar system. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 497, L62-L66.	1.2	2
214	Required deflection impulses as a function of time before impact for Earth-impacting asteroids. Icarus, 2020, 347, 113792.	1.1	6
215	Kilonova rates from spherical and axisymmetrical models. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4343-4348.	1.6	2
216	Cosmological gravity on all scales: Simple equations, required conditions, and a framework for modified gravity. Physical Review D, 2020, 101, .	1.6	11

#	ARTICLE	IF	CITATIONS
217	Corona-heated Accretion-disk Reprocessing: A Physical Model to Decipher the Melody of AGN UV/Optical Twinkling. <i>Astrophysical Journal</i> , 2020, 891, 178.	1.6	30
218	The mass of our Milky Way. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	69
219	The impact of light polarization effects on weak lensing systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 532-539.	1.6	2
220	A comparison between short GRB afterglows and kilonova AT2017gfo: shedding light on kilonovae properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3379-3397.	1.6	52
221	Milky Way Satellites Shining Bright in Gravitational Waves. <i>Astrophysical Journal Letters</i> , 2020, 894, L15.	3.0	25
222	The Metallicity Gradient and Complex Formation History of the Outermost Halo of the Milky Way. <i>Astrophysical Journal</i> , 2020, 894, 34.	1.6	13
223	Real-time, Value-driven Data Augmentation in the Era of LSST. <i>Astrophysical Journal</i> , 2020, 893, 127.	1.6	14
224	Asteroids's Size Distribution and Colors from HITS. <i>Astronomical Journal</i> , 2020, 159, 148.	1.9	11
225	Algorithm for calculating anastigmatic three-mirror telescopes. <i>Experimental Astronomy</i> , 2020, 49, 85-95.	1.6	6
226	Morphological Star-Galaxy Separation. <i>Astronomical Journal</i> , 2020, 159, 65.	1.9	6
227	The Prospects of Observing Tidal Disruption Events with the Large Synoptic Survey Telescope. <i>Astrophysical Journal</i> , 2020, 890, 73.	1.6	43
228	Physical correlations of the scatter between galaxy mass, stellar content, and halo mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 337-350.	1.6	22
229	A New Method to Classify Type IIP/IIIL Supernovae Based on Their Spectra. <i>Astrophysical Journal</i> , 2020, 890, 177.	1.6	3
230	AstroCatR: a mechanism and tool for efficient time series reconstruction of large-scale astronomical catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 629-637.	1.6	7
231	Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3884-3908.	1.6	12
232	Constraints on features in the inflationary potential from future Euclid data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3448-3468.	1.6	14
233	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4051-4059.	1.6	7
234	Giant-planet Influence on the Collective Gravity of a Primordial Scattered Disk. <i>Astronomical Journal</i> , 2020, 160, 50.	1.9	10

#	ARTICLE	IF	CITATIONS
235	A Blueprint for the Milky Way's Stellar Populations: The Power of Large Photometric and Astrometric Surveys. <i>Astrophysical Journal</i> , 2020, 897, 39.	1.6	28
236	The VISTA Variables in the $\Lambda$ CDM infrared variability catalogue (VIVA-I). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1730-1756.	1.6	10
237	Image-based Classification of Variable Stars: First Results from Optical Gravitational Lensing Experiment Data. <i>Astrophysical Journal Letters</i> , 2020, 897, L12.	3.0	11
238	Finding singularities in gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3294-3305.	1.6	6
239	An EFT description of galaxy intrinsic alignments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 025-025.	1.9	53
240	The impact of AGN feedback on galaxy intrinsic alignments in the Horizon simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4268-4282.	1.6	12
241	Hawaii Two-0: high-redshift galaxy clustering and bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2318-2328.	1.6	3
242	Conditional density estimation tools in python and R with applications to photometric redshifts and likelihood-free cosmological inference. <i>Astronomy and Computing</i> , 2020, 30, 100362.	0.8	12
243	ATM: An open-source tool for asteroid thermal modeling and its application to NEOWISE data. <i>Icarus</i> , 2020, 341, 113575.	1.1	4
244	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 035001.	1.0	337
245	Image Simulations for Strong and Weak Gravitational Lensing. <i>Symmetry</i> , 2020, 12, 494.	1.1	7
246	Extending the variability selection of active galactic nuclei in the W-CDF-S and SERVS/SWIRE region. <i>Astronomy and Astrophysics</i> , 2020, 634, A50.	2.1	9
247	Calibrating the standard candles with strong lensing. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	6
248	Exploiting flux ratio anomalies to probe warm dark matter in future large-scale surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4247-4253.	1.6	8
249	Characterizing the i-band variability of YSOs over six orders of magnitude in time-scale. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5035-5055.	1.6	17
250	Galaxy Image Classification Based on Citizen Science Data: A Comparative Study. <i>IEEE Access</i> , 2020, 8, 47232-47246.	2.6	14
251	Generalized Brans-Dicke theories in light of evolving dark energy. <i>Physical Review D</i> , 2020, 101, .	1.6	7
252	A nulling strategy for modelling lensing convergence in cones with large deviation theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3420-3439.	1.6	22



#	ARTICLE	IF	CITATIONS
253	The PAU Survey: background light estimation with deep learning techniques. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5392-5405.	1.6	8
254	Estimating redshift distributions using hierarchical logistic Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4768-4782.	1.6	9
255	Physics of Eclipsing Binaries. IV. The Impact of Interstellar Extinction on the Light Curves of Eclipsing Binaries. Astrophysical Journal, Supplement Series, 2020, 247, 63.	3.0	37
256	Composition and origin of L5 Trojan asteroids of Mars: Insights from spectroscopy. Icarus, 2021, 354, 113994.	1.1	8
257	AstroVaDEr: astronomical variational deep embedder for unsupervised morphological classification of galaxies and synthetic image generation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 985-1007.	1.6	24
258	Predicting the accuracy of asteroid size estimation with data from the Rubin Observatory Legacy Survey of Space and Time. Icarus, 2021, 357, 114262.	1.1	6
259	The SiTian Project. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200628.	0.3	23
260	Harnessing the Population Statistics of Subhalos to Search for Annihilating Dark Matter. Astrophysical Journal, 2021, 906, 57.	1.6	9
261	Milky Way Tomography with the SkyMapper Southern Survey. II. Photometric Recalibration of SMSS DR2. Astrophysical Journal, 2021, 907, 68.	1.6	25
262	Improved early warning of compact binary mergers using higher modes of gravitational radiation: a population study. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1612-1622.	1.6	7
263	Survey of Gravitationally Lensed Objects in HSC Imaging (SuGOHI) – VII. Discovery and confirmation of three strongly lensed quasars. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1487-1493.	1.6	14
264	The effect of emission lines on the performance of photometric redshift estimation algorithms. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5762-5778.	1.6	3
265	Finding eV-scale light relics with cosmological observables. Physical Review D, 2021, 103, .	1.6	13
266	Using User-Guided Development to Teach Complex Scientific Tasks Through a Graphical User Interface. Lecture Notes in Computer Science, 2021, , 141-155.	1.0	0
267	Optimising and comparing source-extraction tools using objective segmentation quality criteria. Astronomy and Astrophysics, 2021, 645, A107.	2.1	18
268	The luminosity functions and redshift evolution of satellites of low-mass galaxies in the COSMOS survey. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1205-1217.	1.6	8
269	Strobed imaging as a method for the determination and diagnosis of local seeing. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3936-3942.	1.6	0
270	The correlation of high-redshift galaxies with the thermal Sunyaev-Zeldovich effect traces reionization. Monthly Notices of the Royal Astronomical Society, 2021, 501, 6215-6224.	1.6	3



#	ARTICLE	IF	CITATIONS
271	An intelligent Data Delivery Service for and beyond the ATLAS experiment. EPJ Web of Conferences, 2021, 251, 02007.	0.1	1
272	Speeding up the detectability of the harmonic-space galaxy bispectrum. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 002-002.	1.9	2
273	A random forest-based selection of optically variable AGN in the VST-COSMOS field. Astronomy and Astrophysics, 2021, 645, A103.	2.1	10
274	GriSPy: A Python package for fixed-radius nearest neighbors search. Astronomy and Computing, 2021, 34, 100443.	0.8	4
275	An optical observational cluster mass function at $z \approx 1$ with the ORELSE survey. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3942-3954.	1.6	5
276	High-resolution tomography for galaxy spectroscopic surveys with angular redshift fluctuations. Astronomy and Astrophysics, 2021, 646, A109.	2.1	4
277	Alert Classification for the ALerCE Broker System: The Light Curve Classifier. Astronomical Journal, 2021, 161, 141.	1.9	48
278	Novel Probes Project: Tests of gravity on astrophysical scales. Reviews of Modern Physics, 2021, 93, .	16.4	47
279	CARPool: fast, accurate computation of large-scale structure statistics by pairing costly and cheap cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1897-1914.	1.6	23
280	A general framework to test gravity using galaxy clusters III: observable-mass scaling relations in $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6101-6116.	1.6	10
281	Extending the Frequency Reach of Pulsar Timing Array-based Gravitational Wave Search without High-cadence Observations. Astrophysical Journal Letters, 2021, 907, L43.	3.0	9
282	deepenstromy: A dataset simulation package for strong gravitational lensing. Journal of Open Source Software, 2021, 6, 2854.	2.0	8
283	Geometrical constraints on curvature from galaxy-lensing cross-correlations. Physical Review D, 2021, 103, .	1.6	2
284	Improving Damped Random Walk Parameters for SDSS Stripe 82 Quasars with Pan-STARRS1. Astrophysical Journal, 2021, 907, 96.	1.6	34
285	Synthetic observables for electron-capture supernovae and low-mass core collapse supernovae. Monthly Notices of the Royal Astronomical Society, 2021, 503, 797-814.	1.6	14
286	Fewer mocks and less noise: Reducing the dimensionality of cosmological observables with subspace projections. Physical Review D, 2021, 103, .	1.6	28
287	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6010-6031.	1.6	27
288	The ANTARES Astronomical Time-domain Event Broker. Astronomical Journal, 2021, 161, 107.	1.9	31

#	ARTICLE	IF	CITATIONS
289	China's first step towards probing the expanding universe and the nature of gravity using a space borne gravitational wave antenna. <i>Communications Physics</i> , 2021, 4, .	2.0	26
290	Constraints on the Rate of Supernovae Lasting for More Than a Year from Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2021, 908, 249.	1.6	4
291	GHOST: Using Only Host Galaxy Information to Accurately Associate and Distinguish Supernovae. <i>Astrophysical Journal</i> , 2021, 908, 170.	1.6	20
292	Baryonic Feedback Measurement From KV450 Cosmic Shear Analysis. <i>Astrophysical Journal</i> , 2021, 908, 13.	1.6	10
293	Pix2Prof: fast extraction of sequential information from galaxy imagery via a deep natural language "captioning" model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 96-105.	1.6	8
294	Probing dark energy with tomographic weak-lensing aperture mass statistics. <i>Astronomy and Astrophysics</i> , 2021, 646, A62.	2.1	27
295	A Program for Multimessenger Standard Siren Cosmology in the Era of LIGO A+, Rubin Observatory, and Beyond. <i>Astrophysical Journal Letters</i> , 2021, 908, L4.	3.0	35
296	Dark Energy Survey Year 3 results: Optimizing the lens sample in a combined galaxy clustering and galaxy-galaxy lensing analysis. <i>Physical Review D</i> , 2021, 103, .	1.6	42
297	Measuring Distances to Low-luminosity Galaxies Using Surface Brightness Fluctuations. <i>Astrophysical Journal</i> , 2021, 908, 24.	1.6	26
298	Sufficiency of a Gaussian power spectrum likelihood for accurate cosmology from upcoming weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1999-2013.	1.6	11
299	Gravitational redshifting of galaxies in the SPIDERS cluster catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 669-678.	1.6	8
300	Survey2Survey: a deep learning generative model approach for cross-survey image mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 777-796.	1.6	5
301	On the environments of giant radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5104-5114.	1.6	12
302	Angular momentum evolution can be predicted from cosmological initial conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5480-5486.	1.6	11
303	The likelihood of undiscovered globular clusters in the outskirts of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4547-4557.	1.6	5
304	A comparison of quasar emission reconstruction techniques for $z < 5.0$ Lyman- $\alpha$ and Lyman- $\beta$ transmission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2077-2096.	1.6	21
305	Electromagnetic counterparts of compact binary mergers. <i>Journal of Plasma Physics</i> , 2021, 87, .	0.7	13
306	It's Dust: Solving the Mysteries of the Intrinsic Scatter and Host-galaxy Dependence of Standardized Type Ia Supernova Brightnesses. <i>Astrophysical Journal</i> , 2021, 909, 26.	1.6	78

#	ARTICLE	IF	CITATIONS
308	All-sky visible and near infrared space astrometry. <i>Experimental Astronomy</i> , 2021, 51, 783-843.	1.6	13
309	Two-point Statistics without Bins: A Continuous-function Generalization of the Correlation Function Estimator for Large-scale Structure. <i>Astrophysical Journal</i> , 2021, 909, 220.	1.6	2
310	A statistical review of light curves and the prevalence of contact binaries in the Kuiper Belt. <i>Icarus</i> , 2021, 356, 114098.	1.1	10
311	Forward Modeling Populations of Flares from Tidal Disruptions of Stars by Supermassive Black Holes. <i>Astrophysical Journal</i> , 2021, 910, 93.	1.6	11
312	Be It Unresolved: Measuring Time Delays from Lensed Supernovae. <i>Astrophysical Journal</i> , 2021, 910, 65.	1.6	10
313	Consistency of cosmic shear analyses in harmonic and real space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3796-3817.	1.6	14
314	Atacama Cosmology Telescope: Modeling the gas thermodynamics in BOSS CMASS galaxies from kinematic and thermal Sunyaev-Zeldovich measurements. <i>Physical Review D</i> , 2021, 103, .	1.6	60
315	Linear systematics mitigation in galaxy clustering in the Dark Energy Survey Year 1 Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4349-4362.	1.6	5
316	Ray-tracing log-normal simulation for weak gravitational lensing: application to the cross-correlation with galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 095.	1.9	4
317	Subaru Hyper Suprime-Cam excavates colossal over- and underdense structures over $360^\circ$ out to $\langle z \rangle = 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3896-3912.	1.6	8
318	Searching for Low-mass Population III Stars Disguised as White Dwarfs. <i>Astronomical Journal</i> , 2021, 161, 197.	1.9	1
319	Correlations between $H\alpha$ equivalent width and galaxy properties at $\langle z \rangle = 0.47$ : Physical or selection-driven?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5115-5133.	1.6	8
320	Model selection and parameter estimation using the iterative smoothing method. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 034.	1.9	5
321	Synergies between low- and intermediate-redshift galaxy populations revealed with unsupervised machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3010-3031.	1.6	12
322	Detection of period variations of eclipsing binaries in the Catalina Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2979-2999.	1.6	9
323	The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 31.	3.0	32
324	Cosmology with the Roman Space Telescope: synergies with the Rubin Observatory Legacy Survey of Space and Time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1514-1527.	1.6	24
325	GPU-accelerated periodic source identification in large-scale surveys: measuring $\langle P \rangle$ and $\langle P^2 \rangle$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2665-2675.	1.6	4

#	ARTICLE	IF	CITATIONS
326	The PAU Survey: narrow-band photometric redshifts using Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4118-4135.	1.6	12
327	Z-Sequence: photometric redshift predictions for galaxy clusters with sequential random k-nearest neighbours. Monthly Notices of the Royal Astronomical Society, 2021, 503, 6078-6097.	1.6	2
328	The Dragonfly Wide Field Survey. II. Accurate Total Luminosities and Colors of Nearby Massive Galaxies and Implications for the Galaxy Stellar-mass Function. Astrophysical Journal, 2021, 909, 74.	1.6	7
329	On $N$ -body simulations of globular cluster streams. Monthly Notices of the Royal Astronomical Society, 2021, 504, 648-653.	1.6	9
330	Probability distribution function of the aperture mass field with large deviation theory. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5204-5222.	1.6	12
331	Viewing Angle Effects in Quasar Application to Cosmology. Astrophysical Journal, 2021, 909, 58.	1.6	4
332	Exotic image formation in strong gravitational lensing by clusters of galaxies – I. Cross-section. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2097-2107.	1.6	5
333	Transient-optimized real-bogus classification with Bayesian convolutional neural networks – sifting the GOTO candidate stream. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4838-4854.	1.6	19
334	Measuring accretion disk sizes of lensed quasars with microlensing time delay in multi-band light curves. Astronomy and Astrophysics, 2021, 647, A115.	2.1	9
335	The Binary Information from Open Clusters Using SEDs (BINOCS) Project: Reliable Photometric Mass Determinations of Binary Star Systems in Clusters. Astronomical Journal, 2021, 161, 160.	1.9	8
336	The Clusters Hiding in Plain Sight (CHiPS) Survey: Complete Sample of Extreme BCG Clusters. Astrophysical Journal, 2021, 910, 60.	1.6	11
337	The effects of asymmetric dark matter on stellar evolution – I. Spin-dependent scattering. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5611-5623.	1.6	10
338	Don't cross the streams: caustics from fuzzy dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 076.	1.9	28
339	A cool and inflated progenitor candidate for the Type Ib supernova 2019yvr at 2.6 Åyr before explosion. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2073-2093.	1.6	48
340	KiDS-1000 catalogue: Redshift distributions and their calibration. Astronomy and Astrophysics, 2021, 647, A124.	2.1	66
341	Beyond the hubble sequence – exploring galaxy morphology with unsupervised machine learning. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4446-4465.	1.6	34
342	Self-supervised Representation Learning for Astronomical Images. Astrophysical Journal Letters, 2021, 911, L33.	3.0	29
343	Detectability of ‘Merger-nova’ Emission from a Long-lived Magnetar in Short Gamma-Ray Bursts. Astrophysical Journal, 2021, 912, 14.	1.6	7

#	ARTICLE	IF	CITATIONS
344	PyTorchDIA: a flexible, GPU-accelerated numerical approach to Difference Image Analysis. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3561-3579.	1.6	2
345	Classical Novae Masquerading as Dwarf Novae? Outburst Properties of Cataclysmic Variables with ASAS-SN. Astrophysical Journal, 2021, 910, 120.	1.6	12
346	Protocluster detection in simulations of HSCâ€‘SSP and the 10-yr LSST forecast, using PCcones. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5054-5073.	1.6	7
347	Optimizing serendipitous detections of kilonovae: cadence and filter selection. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2822-2831.	1.6	16
348	First Demonstration of Early Warning Gravitational-wave Alerts. Astrophysical Journal Letters, 2021, 910, L21.	3.0	33
349	Bayesian Cross-matching of High Proper-motion Stars in Gaia DR2 and Photometric Metallicities for $\sim 1.7$ million K and M Dwarfs. Astronomical Journal, 2021, 161, 234.	1.9	6
350	Educational Design Framework for a Web-Based Interface to Visualise Authentic Cosmological â€œBig Dataâ€‘ in High School. Journal of Science Education and Technology, 2021, 30, 732-750.	2.4	6
351	LoCuSS: The Splashback Radius of Massive Galaxy Clusters and Its Dependence on Cluster Merger History. Astrophysical Journal, 2021, 911, 136.	1.6	11
352	Gravitational-wave physics and astronomy in the 2020s and 2030s. Nature Reviews Physics, 2021, 3, 344-366.	11.9	96
353	Asteroseismic Observations of Hot Subdwarfs. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	7
354	Outlier Prediction and Training Set Modification to Reduce Catastrophic Outlier Redshift Estimates in Large-scale Surveys. Publications of the Astronomical Society of the Pacific, 2021, 133, 044504.	1.0	1
355	Active Optical Control with Machine Learning: A Proof of Concept for the Vera C. Rubin Observatory. Astronomical Journal, 2021, 161, 216.	1.9	4
356	A Morphological Classification Model to Identify Unresolved PanSTARRS1 Sources. II. Update to the PS1 Point Source Catalog. Publications of the Astronomical Society of the Pacific, 2021, 133, 054502.	1.0	2
357	SILVERRUSH X: Machine Learning-aided Selection of 9318 LAEs at $z = 2.2, 3.3, 4.9, 5.7, 6.6,$ and $7.0$ from the HSC SSP and CHORUS Survey Data. Astrophysical Journal, 2021, 911, 78.	1.6	18
358	The LOFAR Two-meter Sky Survey: Deep Fields Data Release 1. Astronomy and Astrophysics, 2021, 648, A3.	2.1	57
359	Quintessential $\Lambda$ -attractor inflation: forecasts for Stage IV galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 006.	1.9	16
360	Hybrid analytic and machine-learned baryonic property insertion into galactic dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4024-4038.	1.6	10
361	Black swans in astronomical data. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4054-4061.	1.6	4

#	ARTICLE	IF	CITATIONS
362	Gravitational wave detection with photometric surveys. <i>Physical Review D</i> , 2021, 103, .	1.6	12
363	Detecting dark energy fluctuations with gravitational waves. <i>Physical Review D</i> , 2021, 103, .	1.6	11
364	Variability, periodicity, and contact binaries in <i>WISE</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3975-3991.	1.6	15
365	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. <i>Physical Review D</i> , 2021, 103, .	1.6	527
366	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021, 5, 100.	0.3	8
367	Brought to Light. I. Quantification of Disk Substructure in Dwarf Early-type Galaxies. <i>Astronomical Journal</i> , 2021, 161, 268.	1.9	8
368	Impact of the calibration of the halo mass function on galaxy cluster number count cosmology. <i>Astronomy and Astrophysics</i> , 2021, 649, A47.	2.1	6
369	Validating the Fisher approach for stage IV spectroscopic surveys. <i>Astronomy and Astrophysics</i> , 2021, 649, A52.	2.1	9
370	Gaseous atomic nickel in the coma of interstellar comet 2I/Borisov. <i>Nature</i> , 2021, 593, 375-378.	13.7	12
371	Gravitation and the Universe from large scale-structures. <i>Experimental Astronomy</i> , 2021, 51, 1623-1640.	1.6	5
372	EMPRESS. II. Highly Fe-enriched Metal-poor Galaxies with $^{1/4}1.0$ (Fe/O) <sub>⊙</sub> and 0.02 (O/H) <sub>⊙</sub> : Possible Traces of Supermassive (>300 M <sub>⊙</sub> ) Stars in Early Galaxies* <i>A&amp;A</i> . <i>Astrophysical Journal</i> , 2021, 913, 22.	1.6	16
373	Redshift evolution of the underlying type Ia supernova stretch distribution. <i>Astronomy and Astrophysics</i> , 2021, 649, A74.	2.1	23
374	Photometric selection and redshifts for quasars in the Kilo-Degree Survey Data Release 4. <i>Astronomy and Astrophysics</i> , 2021, 649, A81.	2.1	18
375	Search for dormant black holes in ellipsoidal variables “ III. The OGLE BULGE short-period sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5907-5918.	1.6	7
376	Photometric cross-calibration of the SDSS Stripe 82 Standard Stars catalogue with Gaia EDR3, and comparison with Pan-STARRS1, DES, CFIS, and <i>GALEX</i> catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5941-5956.	1.6	17
377	The infall of dwarf satellite galaxies are influenced by their host’s massive accretions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5270-5286.	1.6	19
378	Measuring the Mass and Concentration of Dark Matter Halos from the Velocity Dispersion Profile of their Stars. <i>Astrophysical Journal</i> , 2021, 912, 114.	1.6	4
379	AGNs on the Move: A Search for Off-nuclear AGNs from Recoiling Supermassive Black Holes and Ongoing Galaxy Mergers with the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 913, 102.	1.6	19

#	ARTICLE	IF	CITATIONS
380	I Spy Transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 912, 125.	1.6	60
381	Binning is Sinning (Supernova Version): The Impact of Self-calibration in Cosmological Analyses with Type Ia Supernovae. <i>Astrophysical Journal Letters</i> , 2021, 912, L26.	3.0	14
382	Benchmarking and scalability of machine-learning methods for photometric redshift estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4847-4856.	1.6	15
383	Uncertain times: the redshift-time relation from cosmology and stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2764-2783.	1.6	26
384	Position-dependent Voronoi probability distribution functions for matter and halos. <i>Physical Review D</i> , 2021, 103, .	1.6	1
385	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 24.	3.0	93
386	DAWIS: a detection algorithm with wavelets for intracluster light studies. <i>Astronomy and Astrophysics</i> , 2021, 649, A38.	2.1	9
387	The cosmology dependence of galaxy clustering and lensing from a hybrid $N$ -body-perturbation theory model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1422-1440.	1.6	50
388	The Gas Content and Stripping of Local Group Dwarf Galaxies. <i>Astrophysical Journal</i> , 2021, 913, 53.	1.6	72
389	The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2819-2839.	1.6	17
390	Nuw CDM cosmology from the weak-lensing convergence PDF. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2886-2902.	1.6	26
391	Faint Active Galactic Nuclei Favor Unexpectedly Long Inter-band Time Lags. <i>Astrophysical Journal Letters</i> , 2021, 912, L29.	3.0	12
392	A novel bivariate autoregressive model for predicting and forecasting irregularly observed time series. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1105-1116.	1.6	6
393	Rosella: a mock catalogue from the P-Millennium simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 325-338.	1.6	8
394	Hyper Suprime-Cam Legacy Archive. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 735-746.	1.0	2
395	The ZTF Source Classification Project - II. Periodicity and variability processing metrics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2954-2965.	1.6	10
396	Metallicity of Galactic RR Lyrae from Optical and Infrared Light Curves. I. Period-Fourier-Metallicity Relations for Fundamental-mode RR Lyrae. <i>Astrophysical Journal</i> , 2021, 912, 144.	1.6	22
397	Arbitrating the $S_8$ discrepancy with growth rate measurements from redshift-space distortions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5427-5437.	1.6	97



#	ARTICLE	IF	CITATIONS
398	Prospects for observing the low-density cosmic web in Lyman- $\alpha$ emission. <i>Astronomy and Astrophysics</i> , 2021, 650, A98.	2.1	8
399	The G 305 Star-forming Region. II. Irregular Variable Stars. <i>Astrophysical Journal</i> , 2021, 914, 28.	1.6	4
400	Removing Atmospheric Fringes from Zwicky Transient Facility i-band Images using Principal Component Analysis. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 064503.	1.0	2
401	The Atacama Cosmology Telescope: Detection of Millimeter-wave Transient Sources. <i>Astrophysical Journal</i> , 2021, 915, 14.	1.6	15
402	A precise photometric ratio via laser excitation of the sodium layer $\alpha$ I. One-photon excitation using 342.78Ånm light. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4399-4411.	1.6	4
403	The impact of self-interacting dark matter on the intrinsic alignments of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 441-451.	1.6	5
404	A Recently Quenched Isolated Dwarf Galaxy Outside of the Local Group Environment. <i>Astrophysical Journal Letters</i> , 2021, 914, L23.	3.0	16
405	Exotic image formation in strong gravitational lensing by clusters of galaxies $\alpha$ II. Uncertainties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1526-1539.	1.6	3
406	Measuring time delays $\alpha$ I. Using a flux time series that is a linear combination of time-shifted light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 864-876.	1.6	7
407	Gamma-ray burst jets in supernovae. <i>New Astronomy Reviews</i> , 2021, 92, 101614.	5.2	10
408	Rare events of a peculiar thermonuclear supernova that precedes a core-collapse supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 919-927.	1.6	1
409	Predicting electromagnetic counterparts using low-latency gravitational-wave data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4235-4248.	1.6	9
410	Year 1 of the Legacy Survey of Space and Time (LSST): Recommendations for Template Production to Enable Solar System Small Body Transient and Time Domain Science. <i>Research Notes of the AAS</i> , 2021, 5, 143.	0.3	2
411	On possible proxies of AGN light-curves cadence selection in future time domain surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5012-5028.	1.6	6
412	Does concentration drive the scatter in the stellar-to-halo mass relation of galaxy clusters?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5117-5128.	1.6	20
413	Improving the astrometric solution of the Hyper Suprime-Cam with anisotropic Gaussian processes. <i>Astronomy and Astrophysics</i> , 2021, 650, A81.	2.1	3
414	Eight more low luminosity globular clusters in the Sagittarius dwarf galaxy. <i>Astronomy and Astrophysics</i> , 2021, 650, L12.	2.1	9
415	Improving Astronomy Image Quality Through Real-time Wavefront Estimation. , 2021, , .		1



#	ARTICLE	IF	CITATIONS
416	The Heraklion Extragalactic Catalogue (HECATE): a value-added galaxy catalogue for multimessenger astrophysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1896-1915.	1.6	17
417	The effect of phased recurrent units in the classification of multiple catalogues of astronomical light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6069-6084.	1.6	4
418	Does jackknife scale really matter for accurate large-scale structure covariances?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5833-5845.	1.6	7
419	Surrogate modelling the Baryonic Universe II: On forward modelling the colours of individual and populations of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2373-2389.	1.6	14
420	The evolution of binary neutron star post-merger remnants: a review. <i>General Relativity and Gravitation</i> , 2021, 53, 1.	0.7	50
421	lenstronomy II: A gravitational lensing software ecosystem. <i>Journal of Open Source Software</i> , 2021, 6, 3283.	2.0	67
422	Three-dimensional Reconstruction of Weak-lensing Mass Maps with a Sparsity Prior. I. Cluster Detection. <i>Astrophysical Journal</i> , 2021, 916, 67.	1.6	2
423	Multimessenger Detection Rates and Distributions of Binary Neutron Star Mergers and Their Cosmological Implications. <i>Astrophysical Journal</i> , 2021, 916, 54.	1.6	28
424	A machine learning approach to the detection of ghosting and scattered light artifacts in dark energy survey images. <i>Astronomy and Computing</i> , 2021, 36, 100474.	0.8	3
425	Effects of overlapping sources on cosmic shear estimation: Statistical sensitivity and pixel-noise bias. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043.	1.9	8
426	An Accurate $P_{3M}$ Algorithm for Gravitational Lensing Studies in Simulations. <i>Astrophysical Journal</i> , 2021, 915, 75.	1.6	1
427	Cosmology with the <i>Roman Space Telescope</i> ’s multiprobe strategies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1746-1761.	1.6	36
428	Identification of Lensed Gravitational Waves with Deep Learning. <i>Astrophysical Journal</i> , 2021, 915, 119.	1.6	5
429	The dependence of subhalo abundance matching on galaxy photometry and selection criteria. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3205-3223.	1.6	10
430	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2021, 655, A44.	2.1	12
431	Ultra-short-period massive black hole binary candidates in LSST as LISA ‘verification binaries’. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2408-2417.	1.6	17
432	The PAU survey: estimating galaxy photometry with deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4048-4069.	1.6	12
433	Astronomy: Personalised active anomaly detection in astronomical data. <i>Astronomy and Computing</i> , 2021, 36, 100481.	0.8	36

#	ARTICLE	IF	CITATIONS
434	Fast period searches using the Lomb–Scargle algorithm on Graphics Processing Units for large datasets and real-time applications. <i>Astronomy and Computing</i> , 2021, 36, 100472.	0.8	4
435	The impact of baryons on cosmological inference from weak lensing statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3406-3417.	1.6	10
436	Luminosity distance and anisotropic sky-sampling at low redshifts: A numerical relativity study. <i>Physical Review D</i> , 2021, 104, .	1.6	15
437	On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5847-5868.	1.6	16
438	Dissecting the <i>Gaia</i> HR diagram within 200 kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5681-5697.	1.6	12
439	Multimessenger Pulsar Timing Array Constraints on Supermassive Black Hole Binaries Traced by Periodic Light Curves. <i>Astrophysical Journal</i> , 2021, 915, 97.	1.6	16
440	<i>Kepler K2</i> Campaign 9 – I. Candidate short-duration events from the first space-based survey for planetary microlensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5584-5602.	1.6	5
441	Predicting the self-lensing population in optical surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 374-384.	1.6	10
442	GECKO Optical Follow-up Observation of Three Binary Black Hole Merger Events: GW190408_181802, GW190412, and GW190503_185404. <i>Astrophysical Journal</i> , 2021, 916, 47.	1.6	5
443	Evolution of the galaxy stellar mass function: evidence for an increasing $M^*$ from $z = 2$ to the present day. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4933-4951.	1.6	19
444	Active galactic nuclei catalog from the AKARI NEP-Wide field. <i>Astronomy and Astrophysics</i> , 2021, 651, A108.	2.1	5
445	A survey on machine learning based light curve analysis for variable astronomical sources. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2021, 11, e1425.	4.6	4
446	VEXAS: VISTA EXTension to Auxiliary Surveys. <i>Astronomy and Astrophysics</i> , 2021, 651, A69.	2.1	4
447	Zwicky Transient Facility and Globular Clusters: the Period–Luminosity and Period–Luminosity–Color Relations for Late-type Contact Binaries. <i>Astronomical Journal</i> , 2021, 162, 63.	1.9	8
448	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 11.	3.0	19
449	Binary neutron star merger in common envelope jets supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2445-2452.	1.6	11
450	IQ Collaboratory. II. The Quiescent Fraction of Isolated, Low-mass Galaxies across Simulations and Observations. <i>Astrophysical Journal</i> , 2021, 915, 53.	1.6	19
451	Molecular gas budget and characterization of intermediate-mass star-forming galaxies at $z \sim 2-3$ . <i>Astronomy and Astrophysics</i> , 2021, 655, A42.	2.1	5

#	ARTICLE	IF	CITATIONS
452	Modeling and Simulation of Sky Survey. Applied Sciences (Switzerland), 2021, 11, 7584.	1.3	2
453	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2022, 657, A92.	2.1	15
454	A Search for Wandering Black Holes in the Milky Way with Gaia and DECaLS. Astrophysical Journal, 2021, 917, 17.	1.6	11
455	Deep learning applications based on SDSS photometric data: detection and classification of sources. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2039-2052.	1.6	15
456	Using classical Cepheids to study the far side of the Milky Way disk. Astronomy and Astrophysics, 2021, 654, A138.	2.1	11
457	Very Large Array imaging rules out precessing radio jets in three DES+SDSS-selected candidate periodic quasars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4638-4645.	1.6	4
458	Global simulations of tidal disruption event disc formation via stream injection in GRRMHD. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3207-3227.	1.6	12
459	Measuring time delays II. Using observations of the unresolved flux and astrometry. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3166-3180.	1.6	10
460	Electromagnetic counterparts of gravitational-wave signals. Astronomy and Geophysics, 2021, 62, 4.15-4.21.	0.1	2
461	Brightest cluster galaxies are statistically special from $z=0.3$ to $z=1$ . Monthly Notices of the Royal Astronomical Society, 2021, 507, 4016-4029.	1.6	5
462	SN 2020bjj: A Type Ibn supernova with a long-lasting peak plateau. Astronomy and Astrophysics, 2021, 652, A136.	2.1	7
463	ELISA: A new tool for fast modelling of eclipsing binaries. Astronomy and Astrophysics, 2021, 652, A156.	2.1	5
464	Introducing the LBT Imaging of Galactic Halos and Tidal Structures (LIGHTS) survey. Astronomy and Astrophysics, 2021, 654, A40.	2.1	25
465	Dark Matter Constraints from a Unified Analysis of Strong Gravitational Lenses and Milky Way Satellite Galaxies. Astrophysical Journal, 2021, 917, 7.	1.6	56
466	Dark matter density profiles in dwarf galaxies: linking Jeans modelling systematics and observation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4715-4733.	1.6	6
467	Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328+1219. Astrophysical Journal, 2021, 917, 41.	1.6	24
468	Discovery and characterization of five new eclipsing AMCVn systems. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5440-5461.	1.6	22
469	Comparing hypervelocity star populations from the Large Magellanic Cloud and the Milky Way. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4997-5012.	1.6	8

#	ARTICLE	IF	CITATIONS
470	A Deep-learning Approach for Live Anomaly Detection of Extragalactic Transients. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 24.	3.0	22
471	Improving the reliability of photometric redshift with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5034-5052.	1.6	11
472	Characterizing the Discovery of a New Trans-Neptunian Object Binary in a Trailed Point-spread Function Search. <i>Planetary Science Journal</i> , 2021, 2, 159.	1.5	0
473	Constraints on the Assembly History of the Milky Way's Smooth, Diffuse Stellar Halo from the Metallicity-dependent, Radially Dominated Velocity Anisotropy Profiles Probed with K Giants and BHB Stars Using LAMOST, SDSS/SEGUE, and Gaia. <i>Astrophysical Journal</i> , 2021, 919, 66.	1.6	23
474	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. <i>Astroparticle Physics</i> , 2021, 131, 102606.	1.9	37
475	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A11.	2.1	31
476	Resolved Dwarf Galaxy Searches within $\sim 1/45$ Mpc with the Vera Rubin Observatory and Subaru Hyper Suprime-Cam*. <i>Astrophysical Journal</i> , 2021, 918, 88.	1.6	30
477	The <code>abacus</code> cosmological $N$ -body code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 575-596.	1.6	37
478	SkyPy: A package for modelling the Universe. <i>Journal of Open Source Software</i> , 2021, 6, 3056.	2.0	4
479	Fast-transient Searches in Real Time with ZTFreST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. <i>Astrophysical Journal</i> , 2021, 918, 63.	1.6	42
480	Semi-regular red giants as distance indicators. <i>Astronomy and Astrophysics</i> , 2021, 656, A66.	2.1	8
481	Mitigating baryonic effects with a theoretical error covariance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5592-5601.	1.6	1
482	A Blueprint for the Milky Way's Stellar Populations. III. Spatial Distributions and Population Fractions of Local Halo Stars. <i>Astrophysical Journal</i> , 2021, 918, 74.	1.6	12
483	Ultra-light dark matter. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	9.1	150
484	The miniJPAS survey: A preview of the Universe in 56 colors. <i>Astronomy and Astrophysics</i> , 2021, 653, A31.	2.1	54
485	Modelling type 1 quasar colours in the era of Rubin and Euclid. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 737-754.	1.6	11
486	A gravitationally lensed supernova with an observable two-decade time delay. <i>Nature Astronomy</i> , 2021, 5, 1118-1125.	4.2	33
487	Real-time multi-messenger analysis framework for KM3NeT. <i>Journal of Instrumentation</i> , 2021, 16, C09034.	0.5	8

#	ARTICLE	IF	CITATIONS
488	Identifying Periodic Variable Stars and Eclipsing Binary Systems with Long-term Las Cumbres Observatory Photometric Monitoring of ZTF J0139+5245. <i>Astronomical Journal</i> , 2021, 162, 133.	1.9	1
489	Early warning of precessing compact binary merger with third-generation gravitational-wave detectors. <i>Physical Review D</i> , 2021, 104, .	1.6	5
490	Strongly lensed candidates from the HSC transient survey. <i>Astronomy and Astrophysics</i> , 2021, 655, A114.	2.1	4
491	THOR: An Algorithm for Cadence-independent Asteroid Discovery. <i>Astronomical Journal</i> , 2021, 162, 143.	1.9	5
492	A catalogue of white dwarfs in <i>Gaia</i> EDR3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3877-3896.	1.6	122
493	Atacama Cosmology Telescope measurements of a large sample of candidates from the Massive and Distant Clusters of WISE Survey. <i>Astronomy and Astrophysics</i> , 2021, 653, A135.	2.1	8
494	Anomaly detection in Hyper Suprime-Cam galaxy images with generative adversarial networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2946-2963.	1.6	16
495	A method for finding anomalous astronomical light curves and their analogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5734-5756.	1.6	14
496	Variable stars in Local Group galaxies – V. The fast and early evolution of the low-mass Eridanus II dSph galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1064-1083.	1.6	11
497	Transneptunian Space. <i>Annual Review of Astronomy and Astrophysics</i> , 2021, 59, 203-246.	8.1	36
498	Wave Dark Matter. <i>Annual Review of Astronomy and Astrophysics</i> , 2021, 59, 247-289.	8.1	133
499	AutoProf – I. An automated non-parametric light profile pipeline for modern galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1870-1887.	1.6	19
500	Simulating highly eccentric common envelope jet supernova impostors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2386-2398.	1.6	18
501	Simulating the Eclipsing Binary Yields of the Rubin Observatory in the Galactic Field and Star Clusters. <i>Astrophysical Journal</i> , 2021, 919, 83.	1.6	3
502	Predicting halo occupation and galaxy assembly bias with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4879-4899.	1.6	16
503	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	3.0	11
504	HOLISMOKES. <i>Astronomy and Astrophysics</i> , 2021, 653, L6.	2.1	19
505	Preparing for LSST data. <i>Astronomy and Astrophysics</i> , 2021, 653, A107.	2.1	7

#	ARTICLE	IF	CITATIONS
506	Microarcsecond Astrometry: Science Highlights from <i>Gaia</i> . <i>Annual Review of Astronomy and Astrophysics</i> , 2021, 59, 59-115.	8.1	28
507	Generalization of a method by Mossotti for initial orbit determination. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2021, 133, 1.	0.5	3
508	Periodic variability of the $z = 2.0$ quasar QSO B1312+7837. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
509	Simulated SPHEREx spectra of asteroids and their implications for asteroid size and reflectance estimation. <i>Icarus</i> , 2022, 371, 114696.	1.1	2
510	The Broadband Counterpart of the Short GRB 200522A at $z \approx 0.5536$ : A Luminous Kilonova or a Collimated Outflow with a Reverse Shock?. <i>Astrophysical Journal</i> , 2021, 906, 127.	1.6	48
511	Cosmology requirements on supernova photometric redshift systematics for the Rubin LSST and Roman Space Telescope. <i>Physical Review D</i> , 2021, 103, .	1.6	10
512	Gravitational self-lensing in populations of massive black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2524-2536.	1.6	10
513	Mitigating the effects of undersampling in weak lensing shear estimation with metacalibration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4048-4063.	1.6	11
514	Ultralight DM bosons with an axion-like potential: scale-dependent constraints revisited. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 051-051.	1.9	17
515	Gravitational-wave cosmology with extreme mass-ratio inspirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4512-4531.	1.6	26
516	Modern Astronomical Surveys for Parameterization of Stars and Interstellar Medium. <i>Communications in Computer and Information Science</i> , 2020, , 108-123.	0.4	2
517	Interpreting Galaxy Deblender GAN from the Discriminator's Perspective. <i>Lecture Notes in Computer Science</i> , 2020, , 239-250.	1.0	2
518	J-PLUS: photometric calibration of large-area multi-filter surveys with stellar and white dwarf loci. <i>Astronomy and Astrophysics</i> , 2019, 631, A119.	2.1	36
519	Lensed quasar search via time variability with the HSC transient survey. <i>Astronomy and Astrophysics</i> , 2020, 640, A88.	2.1	10
520	Density and temperature of cosmic-web filaments on scales of tens of megaparsecs. <i>Astronomy and Astrophysics</i> , 2020, 637, A41.	2.1	32
521	HOLISMOKES. <i>Astronomy and Astrophysics</i> , 2020, 644, A162.	2.1	37
522	Parallax in microlensing toward the Magellanic Clouds: Effect on detection efficiency and detectability. <i>Astronomy and Astrophysics</i> , 2020, 636, L9.	2.1	3
523	Survey of Gravitationally-lensed Objects in HSC Imaging (SuGOHI). <i>Astronomy and Astrophysics</i> , 2020, 642, A148.	2.1	32

#	ARTICLE	IF	CITATIONS
524	HOLISMOKES. Astronomy and Astrophysics, 2020, 644, A163.	2.1	46
525	Automatic catalog of RR Lyrae from $\sim 14$ million VVV light curves: How far can we go with traditional machine-learning?. Astronomy and Astrophysics, 2020, 642, A58.	2.1	4
526	Testing gravity using galaxy-galaxy lensing and clustering amplitudes in KiDS-1000, BOSS, and 2dFLenS. Astronomy and Astrophysics, 2020, 642, A158.	2.1	27
527	The search for galaxy cluster members with deep learning of panchromatic HST imaging and extensive spectroscopy. Astronomy and Astrophysics, 2020, 643, A177.	2.1	14
528	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2020, 644, A31.	2.1	39
529	Primordial gravitational waves from galaxy intrinsic alignments. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 005-005.	1.9	27
530	The Halo Void (Dust) Model of large scale structure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 033-033.	1.9	15
531	Taking measurements of the kinematic Sunyaev-Zel'dovich effect <i>forward</i>: including uncertainties from velocity reconstruction with forward modeling. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 011-011.	1.9	17
532	On the fast random sampling and other properties of the three point correlation function in galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 021-021.	1.9	7
533	Parameterised post-Newtonian formalism for the effective field theory of dark energy via screened reconstructed Horndeski theories. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 032-032.	1.9	11
534	The Atacama Cosmology Telescope: DR4 maps and cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 047-047.	1.9	343
535	Solar System Physics for Exoplanet Research. Publications of the Astronomical Society of the Pacific, 2020, 132, 102001.	1.0	29
536	The Tsinghua University-Ma Huateng Telescopes for Survey: Overview and Performance of the System. Publications of the Astronomical Society of the Pacific, 2020, 132, 125001.	1.0	10
537	Non-Gaussianity in the weak lensing correlation function likelihood $\hat{\epsilon}$ implications for cosmological parameter biases. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2977-2993.	1.6	19
538	Cosmological constraints from CODEX galaxy clusters spectroscopically confirmed by SDSS-IV/SPIDERS DR16. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4768-4784.	1.6	16
539	Bayesian AGN Decomposition Analysis for SDSS spectra: a correlation analysis of [O $\lambda$ 5007] outflow kinematics with AGN and host galaxy properties. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2871-2895.	1.6	27
540	Search for dormant black holes in ellipsoidal variables I. Revisiting the expected amplitudes of the photometric modulation. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2822-2832.	1.6	21
541	Modelling long-period variables $\hat{\epsilon}$ II. Fundamental mode pulsation in the non-linear regime. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1575-1591.	1.6	20



#	ARTICLE	IF	CITATIONS
542	The effects of peculiar velocities in SN Ia environments on the local $H_0$ measurement. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3728-3742.	1.6	6
543	A comparative study of satellite galaxies in Milky Way-like galaxies from HSC, DECaLS, and SDSS. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3776-3801.	1.6	22
544	Stellar splashback: the edge of the intracluster light. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4181-4192.	1.6	22
545	Probing the nature of dark matter with accreted globular cluster streams. Monthly Notices of the Royal Astronomical Society, 2020, 501, 179-200.	1.6	33
546	A synthetic Roman Space Telescope High-Latitude Imaging Survey: simulation suite and the impact of wavefront errors on weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2044-2070.	1.6	19
547	Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1300-1315.	1.6	24
548	A Spitzer survey of Deep Drilling Fields to be targeted by the Vera C. Rubin Observatory Legacy Survey of Space and Time. Monthly Notices of the Royal Astronomical Society, 2020, 501, 892-910.	1.6	19
549	The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: $N$ -body Mock Challenge for Galaxy Clustering Measurements. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	19
550	Proper motion measurements for stars up to $100 \text{ kpc}$ with Subaru HSC and SDSS Stripe 82. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5149-5175.	1.6	6
551	Can dark neutrino interactions phase out the Hubble tension?. Physical Review D, 2020, 102, .	1.6	34
552	Position-dependent matter density probability distribution function. Physical Review D, 2020, 102, .	1.6	9
553	Cross-bispectra constraints on modified gravity theories from the Nancy Grace Roman Space Telescope and the Rubin Observatory Legacy Survey of Space and Time. Physical Review D, 2020, 102, .	1.6	8
554	Standardizing kilonovae and their use as standard candles to measure the Hubble constant. Physical Review Research, 2020, 2, .	1.3	35
555	Cross-correlating galaxy catalogs and gravitational waves: A tomographic approach. Physical Review Research, 2020, 2, .	1.3	30
556	PhoSim-NIRCam: photon-by-photon image simulations of the James Webb Space Telescope's near-infrared camera. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.0	5
557	Automatic selection of correlated double sampling timing parameters. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.0	2
558	The Gravitational-wave Optical Transient Observer (GOTO). , 2020, , .		9
559	The Fermi-LAT Galactic Center Excess: Evidence of Annihilating Dark Matter?. Annual Review of Nuclear and Particle Science, 2020, 70, 455-483.	3.5	26



#	ARTICLE	IF	CITATIONS
560	Modelling baryonic feedback for survey cosmology. , 2019, 2, .		103
562	OF GENES AND MACHINES: APPLICATION OF A COMBINATION OF MACHINE LEARNING TOOLS TO ASTRONOMY DATA SETS. <i>Astrophysical Journal</i> , 2016, 821, 86.	1.6	13
563	Beyond Gaia: Asteroseismic Distances of M Giants Using Ground-based Transient Surveys. <i>Astronomical Journal</i> , 2020, 160, 18.	1.9	13
564	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). III. Discovery of a $z \approx 4.72$ Radio Galaxy with the Lyman Break Technique. <i>Astronomical Journal</i> , 2020, 160, 60.	1.9	11
565	Mitigation of LEO Satellite Brightness and Trail Effects on the Rubin Observatory LSST. <i>Astronomical Journal</i> , 2020, 160, 226.	1.9	31
566	Discovery of Extended Tidal Tails around the Globular Cluster Palomar 13. <i>Astronomical Journal</i> , 2020, 160, 244.	1.9	20
567	Modeling Stochastic Variability in Multiband Time-series Data. <i>Astronomical Journal</i> , 2020, 160, 265.	1.9	16
568	Establishing Earth's Minimoons Population through Characterization of Asteroid 2020 CD <sub>3</sub> . <i>Astronomical Journal</i> , 2020, 160, 277.	1.9	16
569	AT 2020iko: A WZ Sge-type Dwarf Nova Candidate with an Anomalous Precursor Event. <i>Astronomical Journal</i> , 2021, 161, 15.	1.9	4
570	Type Ia Supernovae Are Excellent Standard Candles in the Near-infrared. <i>Astrophysical Journal</i> , 2019, 887, 106.	1.6	27
571	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. <i>Astrophysical Journal</i> , 2019, 882, 70.	1.6	7
572	Detecting Thin Stellar Streams in External Galaxies: Resolved Stars and Integrated Light. <i>Astrophysical Journal</i> , 2019, 883, 87.	1.6	14
573	Probing the Survival of Planetary Systems in Globular Clusters with Tidal Disruption Events. <i>Astrophysical Journal</i> , 2019, 885, 2.	1.6	7
574	Assessment of Systematic Uncertainties in the Cosmological Analysis of the SDSS Supernovae Photometric Sample. <i>Astrophysical Journal</i> , 2020, 890, 172.	1.6	9
575	The HSC-SSP Transient Survey: Implications from Early Photometry and Rise Time of Normal Type Ia Supernovae. <i>Astrophysical Journal</i> , 2020, 892, 25.	1.6	12
576	CHORUS. III. Photometric and Spectroscopic Properties of Ly $\alpha$ Blobs at $z \approx 4.9 \text{--} 7.0$ . <i>Astrophysical Journal</i> , 2020, 891, 177.	1.6	13
577	Rapidly Evolving Transients from the Hyper Suprime-Cam SSP Transient Survey. <i>Astrophysical Journal</i> , 2020, 894, 27.	1.6	26
578	Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2020, 893, 48.	1.6	101

#	ARTICLE	IF	CITATIONS
579	A Machine Learning-based Source Property Inference for Compact Binary Mergers. <i>Astrophysical Journal</i> , 2020, 896, 54.	1.6	28
580	Orphan GRB Afterglow Searches with the Pan-STARRS1 COSMOS Survey. <i>Astrophysical Journal</i> , 2020, 897, 69.	1.6	14
581	The BAT AGN Spectroscopic Survey. XVIII. Searching for Supermassive Black Hole Binaries in X-Rays. <i>Astrophysical Journal</i> , 2020, 896, 122.	1.6	11
582	The Coevolution of Galaxies and the Cool Circumgalactic Medium Probed with the SDSS and DESI Legacy Imaging Surveys. <i>Astrophysical Journal</i> , 2020, 897, 97.	1.6	26
583	High-z Universe Probed via Lensing by QSOs (HULQ). I. Number Estimates of QSO–QSO and QSO–Galaxy Lenses. <i>Astrophysical Journal</i> , 2020, 897, 163.	1.6	5
584	Model-independent Constraints on Type Ia Supernova Light-curve Hyperparameters and Reconstructions of the Expansion History of the Universe. <i>Astrophysical Journal</i> , 2020, 899, 9.	1.6	10
585	Galaxy Zoo Builder: Four-component Photometric Decomposition of Spiral Galaxies Guided by Citizen Science. <i>Astrophysical Journal</i> , 2020, 900, 178.	1.6	14
586	Extremely Metal-poor Representatives Explored by the Subaru Survey (EMPRESS). I. A Successful Machine-learning Selection of Metal-poor Galaxies and the Discovery of a Galaxy with $M^* < 10^{10} M_{\odot}$ and $0.016 Z_{\odot}$ . <i>Astrophysical Journal</i> , 2020, 898, 142.	1.6	43
587	The UV Luminosity Function of Protocluster Galaxies at $z \sim 4$ : The Bright-end Excess and the Enhanced Star Formation Rate Density. <i>Astrophysical Journal</i> , 2020, 899, 5.	1.6	13
588	White Dwarfs in the Era of the LSST and Its Synergies with Space-based Missions. <i>Astrophysical Journal</i> , 2020, 900, 139.	1.6	9
589	$H_0$ Reconstruction with Type Ia Supernovae, Baryon Acoustic Oscillation and Gravitational Lensing Time Delay. <i>Astrophysical Journal</i> , 2020, 900, 160.	1.6	14
590	Gamma-Ray Urgent Archiver for Novel Opportunities (GUANO): Swift/BAT Event Data Dumps on Demand to Enable Sensitive Subthreshold GRB Searches. <i>Astrophysical Journal</i> , 2020, 900, 35.	1.6	30
591	Multi-frequency General Relativistic Radiation-hydrodynamics with $\Lambda$ Closure. <i>Astrophysical Journal</i> , 2020, 900, 71.	1.6	14
592	Connecting Optical Morphology, Environment, and $H\alpha$ Mass Fraction for Low-redshift Galaxies Using Deep Learning. <i>Astrophysical Journal</i> , 2020, 900, 142.	1.6	7
593	ZTF Early Observations of Type Ia Supernovae. II. First Light, the Initial Rise, and Time to Reach Maximum Brightness. <i>Astrophysical Journal</i> , 2020, 902, 47.	1.6	35
594	Star Formation and Morphological Properties of Galaxies in the Pan-STARRS 3 Survey. I. A Machine-learning Approach to Galaxy and Supernova Classification. <i>Astrophysical Journal</i> , 2020, 902, 60.	1.6	10
595	Localization of Compact Binary Sources with Second-generation Gravitational-wave Interferometer Networks. <i>Astrophysical Journal</i> , 2020, 902, 71.	1.6	13
596	Scatter Analysis along the Multidimensional Radius–Luminosity Relations for Reverberation-mapped Mg II Sources. <i>Astrophysical Journal</i> , 2020, 903, 86.	1.6	22

#	ARTICLE	IF	CITATIONS
597	Progenitors of Type IIb Supernovae. II. Observable Properties. <i>Astrophysical Journal</i> , 2020, 903, 70.	1.6	11
598	The Subaru HSC Galaxy Clustering with Photometric Redshift. I. Dark Halo Masses versus Baryonic Properties of Galaxies at $0.3 < z < 1.4$ . <i>Astrophysical Journal</i> , 2020, 904, 128.	1.6	15
599	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. <i>Astrophysical Journal</i> , 2020, 904, 35.	1.6	107
600	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , 2020, 904, 155.	1.6	26
601	The Distant, Galaxy Cluster Environment of the Short GRB 161104A at $z \approx 0.8$ and a Comparison to the Short GRB Host Population. <i>Astrophysical Journal</i> , 2020, 904, 52.	1.6	17
602	Photometric Classification of 2315 Pan-STARRS1 Supernovae with Superphot. <i>Astrophysical Journal</i> , 2020, 905, 93.	1.6	15
603	Spectral Properties of Quasars from Sloan Digital Sky Survey Data Release 14: The Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2020, 249, 17.	3.0	125
604	On Neural Architectures for Astronomical Time-series Classification with Application to Variable Stars. <i>Astrophysical Journal</i> , Supplement Series, 2020, 250, 30.	3.0	22
605	Of Harbingers and Higher Modes: Improved Gravitational-wave Early Warning of Compact Binary Mergers. <i>Astrophysical Journal Letters</i> , 2020, 898, L39.	3.0	14
606	Strong Calcium Emission Indicates that the Ultraviolet-flashing SN Ia 2019yvq Was the Result of a Sub-Chandrasekar-mass Double-detonation Explosion. <i>Astrophysical Journal Letters</i> , 2020, 900, L27.	3.0	28
607	An 8.8 Minute Orbital Period Eclipsing Detached Double White Dwarf Binary. <i>Astrophysical Journal Letters</i> , 2020, 905, L7.	3.0	34
608	Potential Backup Targets for Comet Interceptor. <i>Research Notes of the AAS</i> , 2020, 4, 21.	0.3	11
609	The Importance of Having an Extended Point-spread Function in Low Surface-brightness Science. <i>Research Notes of the AAS</i> , 2020, 4, 130.	0.3	1
610	Observational Completion Limit of Minor Planets from the Asteroid Belt to Jupiter Trojans. <i>Planetary Science Journal</i> , 2020, 1, 75.	1.5	11
611	Radar observability of near-Earth objects using EISCAT 3D. <i>Annales Geophysicae</i> , 2020, 38, 861-879.	0.6	5
612	Weak lensing mass modeling bias and the impact of miscentring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1127-1146.	1.6	7
613	Where's My Swimmy?: Mining unique color features buried in galaxies by deep anomaly detection using Subaru Hyper Suprime-Cam data. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 1-23.	1.0	8
614	El-CID: a filter for gravitational-wave electromagnetic counterpart identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 914-930.	1.6	6

#	ARTICLE	IF	CITATIONS
615	Light-curve fingerprints: an automated approach to the extraction of X-ray variability patterns with feature aggregation – an example application to GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1269-1290.	1.6	4
616	Galaxy cluster strong lensing cosmography. Astronomy and Astrophysics, 2022, 657, A83.	2.1	9
617	Intrinsic alignments of galaxies around cosmic voids. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	2
618	Signatures of a Distant Planet on the Inclination Distribution of the Detached Kuiper Belt. Astrophysical Journal Letters, 2021, 920, L9.	3.0	1
619	Discovery of two bright high-redshift gravitationally lensed quasars revealed by <i>Gaia</i> . Monthly Notices of the Royal Astronomical Society, 2021, 509, 738-747.	1.6	5
620	$C_{33}$ : Cluster Clustering Cosmology. ii. First Detection of the Baryon Acoustic Oscillations Peak in the Three-point Correlation Function of Galaxy Clusters. Astrophysical Journal, 2021, 919, 144.	1.6	9
621	Making the sum greater than its parts. Nature Astronomy, 2021, 5, 971-972.	4.2	0
622	Multimodal Analysis of Gravitational Wave Signals and Gamma-Ray Bursts from Binary Neutron Star Mergers. Universe, 2021, 7, 394.	0.9	3
623	A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. Astrophysical Journal, 2021, 920, 56.	1.6	28
624	The BAYesian STellar algorithm (BASTA): a fitting tool for stellar studies, asteroseismology, exoplanets, and Galactic archaeology. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4344-4364.	1.6	26
625	On the Spin Dynamics of Elongated Minor Bodies with Applications to a Possible Solar System Analogue Composition for $\text{Oumuamua}$ . Astrophysical Journal, 2021, 920, 28.	1.6	14
626	ZTFJ0038+2030: A Long-period Eclipsing White Dwarf and a Substellar Companion. Astrophysical Journal Letters, 2021, 919, L26.	3.0	15
627	Two $\text{c}\hat{\text{e}}\text{t}^{\text{m}}$ s in a pod: cosmology-independent measurement of the Type Ia supernova colour–luminosity relation with a sibling pair. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5340-5356.	1.6	9
628	Cosmology with Love: Measuring the Hubble constant using neutron star universal relations. Physical Review D, 2021, 104, .	1.6	20
629	Forecast for cosmological parameter estimation with gravitational-wave standard sirens from the LISA-Taiji network. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	2.0	30
630	Poisson_CCD: A dedicated simulator for modeling CCDs. Journal of Applied Physics, 2021, 130, .	1.1	4
631	Innovative design choices for the Large Synoptic Survey Telescope. SPIE Newsroom, 2009, , .	0.1	0
632	Tearing and related field distortions in deep-depletion charge-coupled devices. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.0	1

#	ARTICLE	IF	CITATIONS
633	Investigation of deferred charge effects in Large Synoptic Survey Telescope ITL sensors. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.0	0
634	Uniformity and stability of the LSST focal plane. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.0	3
635	Local Monitoring of Atmospheric Transparency from the NASA MERRA-2 Global Assimilation System. <i>Journal of Astronomical Instrumentation</i> , 2019, 08, 1950013.	0.8	0
636	Compact Survey Telescope with a Diameter of 3.6 m. <i>Astronomical Journal</i> , 2019, 158, 250.	1.9	0
637	Applying Information Theory to Design Optimal Filters for Photometric Redshifts. <i>Astrophysical Journal</i> , 2020, 890, 74.	1.6	0
638	Multiplexing lobster-eye optics: a concept for wide-field x-ray monitoring. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, 1.	1.0	4
639	A Mystery in Chamaeleon: Serendipitous Discovery of a Galactic Symbiotic Nova. <i>Astronomical Journal</i> , 2020, 160, 125.	1.9	4
640	Detections of Simultaneous Brightening of $\gamma$ -Ray and Optical Emissions of a Distant Blazar GB 1508+5714 at Redshift 4.3. <i>Astrophysical Journal Letters</i> , 2020, 898, L56.	3.0	1
641	Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy*. <i>Astrophysical Journal</i> , 2020, 900, 50.	1.6	6
642	Classifying Single Stars and Spectroscopic Binaries Using Optical Stellar Templates. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 34.	3.0	19
643	The Persistence of Pancakes and the Revival of Self-gravity in Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2020, 900, L39.	3.0	5
644	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). IV. Rapidly Growing (Super)Massive Black Holes in Extremely Radio-loud Galaxies. <i>Astrophysical Journal</i> , 2021, 921, 51.	1.6	8
645	Interpreting internal consistency of DES measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5218-5230.	1.6	3
646	Phase curves of small bodies from the SLOAN Moving Objects Catalog. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	5
647	Faintest of Them All: ZTF 21aaoryiz/SN 2021fcbg – Discovery of an Extremely Low Luminosity Type Ia Supernova. <i>Astrophysical Journal Letters</i> , 2021, 921, L6.	3.0	8
648	Dark sector to restore cosmological concordance. <i>Physical Review D</i> , 2021, 104, .	1.6	41
649	The homogeneity scale and the growth rate of cosmic structures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2994-3003.	1.6	13
650	Hunting Gravitational Wave Black Holes with Microlensing. <i>Astrophysical Journal</i> , 2020, 905, 121.	1.6	4

#	ARTICLE	IF	CITATIONS
651	Design requirements for the Wide-field Infrared Transient Explorer (WINTER). , 2020, , .		3
652	Differential Chromatic Refraction in the Context of the Legacy Survey of Space and Time. Research Notes of the AAS, 2020, 4, 252.	0.3	1
654	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4982-4996.	1.6	9
655	Stellar and interstellar parameters from large photometric surveys. Communications of the Byurakan Astrophysical Observatory, 0, , 272-280.	0.0	0
656	Massive Neutrinos and How to Search for Them with Cosmological Observations. Springer Theses, 2020, , 65-121.	0.0	0
657	Outer Planet Single-transit Detections with LSST. Research Notes of the AAS, 2020, 4, 27.	0.3	1
658	Lensing by Galaxies and Clusters. Lecture Notes in Physics, 2021, , 255-330.	0.3	0
659	Impact of Rubin Observatory LSST Template Acquisition Strategies on Early Science from the Transients and Variable Stars Science Collaboration: Time-critical Science Cases. Research Notes of the AAS, 2020, 4, 41.	0.3	2
660	The optical luminosity function of LOFAR radio-selected quasars at $1.4 < z < i > \hat{=} 5.0$ in the NDWFS-BoAÑtes field. Astronomy and Astrophysics, 2020, 636, A12.	2.1	3
661	Hyper Suprime-Cam Subaru Strategic Program: A Mass-dependent Slope of the Galaxy Size~Mass Relation at $z < i > \hat{=} 1$ . Astrophysical Journal, 2021, 921, 38.	1.6	38
662	Searching for Changing-state AGNs in Massive Data Sets. I. Applying Deep Learning and Anomaly-detection Techniques to Find AGNs with Anomalous Variability Behaviors. Astronomical Journal, 2021, 162, 206.	1.9	18
663	Alert Classification for the ALerCE Broker System: The Real-time Stamp Classifier. Astronomical Journal, 2021, 162, 231.	1.9	20
664	Simultaneous Estimation of Large-scale Structure and Milky Way Dust Extinction from Galaxy Surveys. Astrophysical Journal, 2021, 921, 108.	1.6	1
665	Revisiting the explodability of single massive star progenitors of stripped-envelope supernovae. Astronomy and Astrophysics, 2021, 656, L19.	2.1	24
666	Extended Point-spread Functions for Deep Astronomical Imaging Surveys. Research Notes of the AAS, 2020, 4, 124.	0.3	0
667	A survey for occultation astrometry of main belt: expected astrometric performances. Astronomy and Astrophysics, 2020, 641, A81.	2.1	2
668	Awakening of Two Gamma-Ray High-redshift, Flat-spectrum Radio Quasars in the Southern Hemisphere. Astrophysical Journal, 2020, 900, 72.	1.6	2
669	Satellite Constellation Internet Affordability and Need. Research Notes of the AAS, 2020, 4, 189.	0.3	6

#	ARTICLE	IF	CITATIONS
670	Individual optical variability of active galactic nuclei from the MEXSAS2 sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6053-6065.	1.6	4
671	Associations of dwarf galaxies in a $\Lambda$ CDM Universe. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5932-5940.	1.6	2
672	Cosmological consequences of intrinsic alignments supersample covariance. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6094-6104.	1.6	1
673	The Milky Way's bar structural properties from gravitational waves. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4958-4971.	1.6	11
674	Galaxy clusters as intrinsic alignment tracers: present and future. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5561-5569.	1.6	2
675	Tidally excited oscillations in hot white dwarfs. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1836-1851.	1.6	6
676	Recoverability of Known Near-Earth Asteroids. Astronomical Journal, 2020, 160, 250.	1.9	2
677	Variation in the stellar mass function along stellar streams. Monthly Notices of the Royal Astronomical Society, 2021, 510, 774-785.	1.6	4
678	Galaxy morphologies revealed with Subaru HSC and super-resolution techniques. I. Major merger fractions of $z \sim 1.5$ UV dropout galaxies at $z \sim 4$ . Publication of the Astronomical Society of Japan, 2022, 74, 73-91.		9
679	Synthetic galaxy clusters and observations based on Dark Energy Survey Year 3 Data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4865-4885.	1.6	1
680	Core-collapse Supernovae: From Neutrino-driven 1D Explosions to Light Curves and Spectra. Astrophysical Journal, 2021, 921, 143.	1.6	11
681	Unexpected Short-period Variability in Dwarf Carbon Stars from the Zwicky Transient Facility. Astrophysical Journal, 2021, 922, 33.	1.6	4
682	Exploring the Solar System with the NOIRLab Source Catalog I: Detecting Objects with CANFind. Astronomical Journal, 2021, 162, 244.	1.9	1
683	Constraints on the Occurrence of Oumuamua-Like Objects. Astrophysical Journal, 2021, 922, 39.	1.6	21
684	RR Lyrae Stars in the Newly Discovered Ultra-faint Dwarf Galaxy Centaurus I*. Astronomical Journal, 2021, 162, 253.	1.9	6
685	Are Stripped Envelope Supernovae Really Deficient in $^{56}\text{Ni}$ ? Astrophysical Journal, 2021, 922, 141.	1.6	7
686	Cosmology from clustering, cosmic shear, CMB lensing, and cross correlations: combining Rubin observatory and Simons Observatory. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5721-5736.	1.6	9
687	A Novel Method for Estimating the Ambient Medium Density Around Distant Radio Sources from Their Observed Radio Spectra. Astrophysical Journal, 2021, 922, 197.	1.6	2



#	ARTICLE	IF	CITATIONS
688	A 6D view of stellar shells. Monthly Notices of the Royal Astronomical Society, 2021, 510, 230-245.	1.6	9
689	Constraining Type Ia Supernova Delay Time with Spatially Resolved Star Formation Histories. Astrophysical Journal, 2021, 922, 15.	1.6	7
690	Detecting dispersed radio transients in real time using convolutional neural networks. Astronomy and Computing, 2022, 38, 100512.	0.8	1
691	iCompare: A Package for Automated Comparison of Solar System Integrators*. Research Notes of the AAS, 2021, 5, 267.	0.3	0
692	Sifting through the Static: Moving Object Detection in Difference Images. Astronomical Journal, 2021, 162, 245.	1.9	7
693	Clustering in massive neutrino cosmologies via Eulerian Perturbation Theory. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 028.	1.9	14
694	A Novel Framework for Modeling Weakly Lensing Shear Using Kinematics and Imaging at Moderate Redshift. Astrophysical Journal, 2021, 922, 116.	1.6	2
695	A Sublime Opportunity: The Dynamics of Transitioning Cometary Bodies and the Feasibility of In Situ Observations of the Evolution of Their Activity. Planetary Science Journal, 2021, 2, 234.	1.5	5
696	A Composite Likelihood Approach for Inference under Photometric Redshift Uncertainty. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	6
697	Using a Neural Network Classifier to Select Galaxies with the Most Accurate Photometric Redshifts. Astrophysical Journal, 2021, 922, 153.	1.6	2
698	Enhancing Ground-based Observations of Trans-Neptunian Objects Using a Single-epoch Parallax Measurement from L2. Publications of the Astronomical Society of the Pacific, 2021, 133, 114401.	1.0	0
699	Capturing the Physics of MaNGA Galaxies with Self-supervised Machine Learning. Astrophysical Journal, 2021, 921, 177.	1.6	10
700	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2022, 657, A90.	2.1	10
701	Observable gravitational waves from tidal disruption events and their electromagnetic counterpart. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2025-2040.	1.6	6
702	Gaussianization of peculiar velocities and bulk flow measurement. Research in Astronomy and Astrophysics, 2021, 21, 242.	0.7	4
703	Observational constraints on dark matter scattering with electrons. Physical Review D, 2021, 104, .	1.6	23
704	A novel black hole mass scaling relation based on coronal gas, and its dependence with the accretion disc. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1010-1030.	1.6	13
705	Automated algorithms to build active galactic nucleus classifiers. Monthly Notices of the Royal Astronomical Society, 2021, 510, 161-176.	1.6	2



#	ARTICLE	IF	CITATIONS
706	The THESEUS space mission: science goals, requirements and mission concept. <i>Experimental Astronomy</i> , 2021, 52, 183-218.	1.6	32
707	The Zwicky Transient Facility Type Ia supernova survey: first data release and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2228-2241.	1.6	20
708	AMICO galaxy clusters in KiDS-DR3: The impact of estimator statistics on the luminosity-mass scaling relation. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	1
709	ParSNIP: Generative Models of Transient Light Curves with Physics-enabled Deep Learning. <i>Astronomical Journal</i> , 2021, 162, 275.	1.9	9
710	Systematic Errors Induced by the Elliptical Power-law model in Galaxyâ€“Galaxy Strong Lens Modeling. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 025014.	0.7	9
711	A Novel Approach to Asteroid Impact Monitoring. <i>Astronomical Journal</i> , 2021, 162, 277.	1.9	5
712	Third data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 247-272.	1.0	117
713	The Central Dark Matter Fraction of Massive Early-Type Galaxies. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	1.1	5
714	The impact of tomographic redshift bin width errors on cosmological probes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1029-1042.	1.6	5
715	SORA: Stellar occultation reduction and analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1167-1181.	1.6	17
716	Simons Observatory: Constraining inflationary gravitational waves with multitracer $B$ -mode delensing. <i>Physical Review D</i> , 2022, 105, .	1.6	13
717	$\text{CosmoPower}$ : emulating cosmological power spectra for accelerated Bayesian inference from next-generation surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1771-1788.	1.6	47
718	Gravitational waves $\tilde{\Lambda}$ -HI intensity mapping: cosmological and astrophysical applications. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 004.	1.9	14
719	The Gravitational-wave Optical Transient Observer (GOTO): prototype performance and prospects for transient science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2405-2422.	1.6	18
720	Calibrating Photometric Redshift Measurements with the Multi-channel Imager (MCI) of the China Space Station Telescope (CSST). <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 025019.	0.7	7
721	Calibration of Surface Brightness Fluctuations for Dwarf Galaxies in the Hyper Suprime-Cam gi Filter System. <i>Astrophysical Journal</i> , 2021, 923, 152.	1.6	3
722	Finding Fast Transients in Real Time Using a Novel Light-curve Analysis Algorithm. <i>Astronomical Journal</i> , 2022, 163, 95.	1.9	1
723	Simultaneously constraining cosmology and baryonic physics via deep learning from weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1518-1528.	1.6	16

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724	Dust and the intrinsic spectral index of quasar variations: hints of finite stress at the innermost stable circular orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 899-916.	1.6	4
725	Dwarf galaxy luminosity functions and cluster environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2796-2813.	1.6	2
726	The three-year shear catalog of the Subaru Hyper Suprime-Cam SSP Survey. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 421-459.	1.0	31
727	Strong conformity and assembly bias: towards a physical understanding of the galaxy-halo connection in SDSS clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1789-1807.	1.6	10
728	Data-driven Expectations for Electromagnetic Counterpart Searches Based on LIGO/Virgo Public Alerts. <i>Astrophysical Journal</i> , 2022, 924, 54.	1.6	56
729	From the Fire: A Deeper Look at the Phoenix Stream. <i>Astrophysical Journal</i> , 2022, 925, 118.	1.6	8
730	Joint constraints on cosmology and the impact of baryon feedback: Combining KIDS-1000 lensing with the thermal Sunyaev-Zeldovich effect from <i>Planck</i> and ACT. <i>Astronomy and Astrophysics</i> , 2022, 660, A27.	2.1	32
731	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 15.	3.0	21
732	Dark energy with oscillatory tracking potential: observational constraints and perturbative effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1637-1646.	1.6	6
733	Considerations for Optimizing the Photometric Classification of Supernovae from the Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 23.	3.0	8
734	Quantum Yield and Charge Diffusion in the Nancy Grace Roman Space Telescope Infrared Detectors. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 014001.	1.0	6
735	Supernova siblings and their parent galaxies in the Zwicky Transient Facility Bright Transient Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 241-254.	1.6	6
736	Machine-learning prediction for mean motion resonance behaviour – The planar case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2218-2228.	1.6	5
737	Imprints of the cosmic void evolution on the baryon processes inside galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2688-2701.	1.6	4
738	Realistic galaxy image simulation via score-based generative models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1808-1818.	1.6	13
739	Photometric Classification of Early-time Supernova Light Curves with SCONE. <i>Astronomical Journal</i> , 2022, 163, 57.	1.9	6
740	Mapping the Galactic Metallicity Gradient with Open Clusters: The State-of-the-Art and Future Challenges. <i>Universe</i> , 2022, 8, 87.	0.9	26
741	Beyond the Local Volume. I. Surface Densities of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields. <i>Astrophysical Journal</i> , 2022, 924, 114.	1.6	10

#	ARTICLE	IF	CITATIONS
742	The period-age relation of long-period variables. <i>Astronomy and Astrophysics</i> , 2022, 658, L1.	2.1	7
743	Optimal machine-driven acquisition of future cosmological data. <i>Astronomy and Astrophysics</i> , 2022, 657, L17.	2.1	3
744	Give Me a Few Hours: Exploring Short Timescales in Rubin Observatory Cadence Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 13.	3.0	8
745	The Dependence of the Type Ia Supernova Host Bias on Observation or Fitting Technique. <i>Astrophysical Journal</i> , 2022, 925, 115.	1.6	3
746	SUPPNet: Neural network for stellar spectrum normalisation. <i>Astronomy and Astrophysics</i> , 2022, 659, A199.	2.1	4
747	Mid-infrared Outbursts in Nearby Galaxies (MIRONG). II. Optical Spectroscopic Follow-up. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 21.	3.0	6
748	Gaussian Process Classification for Galaxy Blend Identification in LSST. <i>Astrophysical Journal</i> , 2022, 924, 94.	1.6	3
749	A non-parametric test of variability of Type Ia supernovae luminosity and $\dot{M}$ . <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 053.	1.9	4
750	Decomposition of stellar populations in CosmoDC2 galaxies using SCARLET and Deep Learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	0
751	Solar system peculiar motion from the Hubble diagram of quasars and testing the cosmological principle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1819-1829.	1.6	8
752	Role of Topocentric Parallax in Near-Earth Object Initial Orbit Determination. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 015005.	1.0	1
753	A prediction for the 25th solar cycle maximum amplitude. <i>Astronomische Nachrichten</i> , 2022, 343, .	0.6	8
754	Stellar Shocks from Dark Matter Asteroid Impacts. <i>Physical Review Letters</i> , 2022, 128, 021101.	2.9	10
755	Exploring the interpretability of deep neural networks used for gravitational lens finding with a sensitivity probe. <i>Astronomy and Computing</i> , 2022, 38, 100535.	0.8	3
756	Accretion disc sizes from continuum reverberation mapping of AGN selected from the ZTF survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3005-3016.	1.6	15
757	Forecasts for Broadband Intensity Mapping of the Ultraviolet-Optical Background with CASTOR and SPHEREx. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
758	Photometric Objects around Cosmic Webs (PAC) Delineated in a Spectroscopic Survey. I. Methods. <i>Astrophysical Journal</i> , 2022, 925, 31.	1.6	10
759	Modelling nearest neighbour distributions of biased tracers using hybrid effective field theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2765-2781.	1.6	13

#	ARTICLE	IF	CITATIONS
760	Estimation of Photometric Redshifts. II. Identification of Out-of-distribution Data with Neural Networks. <i>Astronomical Journal</i> , 2022, 163, 98.	1.9	1
761	Seeking new physics in cosmology with Bayesian neural networks: Dark energy and modified gravity. <i>Physical Review D</i> , 2022, 105, .	1.6	2
762	One-Point Statistics Matter in Extended Cosmologies. <i>Universe</i> , 2022, 8, 55.	0.9	3
763	Tidal disruption events in post-starburst galaxies: the importance of a complete stellar mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2885-2896.	1.6	13
764	Revisiting the Lensed Fraction of High-redshift Quasars. <i>Astrophysical Journal</i> , 2022, 925, 169.	1.6	13
765	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 ( $S_{4<sup>C</sup>}$ ). <i>Astronomy and Astrophysics</i> , 2022, 660, A69.	2.1	11
766	Data Release 2 of S-PLUS: Accurate template-fitting based photometry covering $\hat{1}41000\hat{a}E\%deg2$ in 12 optical filters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4590-4618.	1.6	16
767	A fully Lagrangian, non-parametric bias model for dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 002.	1.9	2
768	Strong-lensing source reconstruction with variationally optimized Gaussian processes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 661-685.	1.6	8
769	Revealing new high-redshift quasar populations through Gaussian mixture model selection. <i>Astronomy and Astrophysics</i> , 2022, 660, A22.	2.1	6
770	Characterization and Quantum Efficiency Determination of Monocrystalline Silicon Solar Cells as Sensors for Precise Flux Calibration. <i>Journal of Astronomical Instrumentation</i> , 0, , .	0.8	0
771	Large-scale dark matter simulations. <i>Living Reviews in Solar Physics</i> , 2022, 8, 1.	5.0	57
772	Mass classification of dark matter perturbers of stellar tidal streams. <i>Physics of the Dark Universe</i> , 2022, 35, 100978.	1.8	4
773	Weak gravitational lensing shear measurement with FPFS: analytical mitigation of noise bias and selection bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4850-4860.	1.6	9
774	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 41.	3.0	27
775	Milky Way Star Clusters and Gaia: A Review of the Ongoing Revolution. <i>Universe</i> , 2022, 8, 111.	0.9	24
776	Optimizing Cadences with Realistic Light-curve Filtering for Serendipitous Kilonova Discovery with Vera Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 5.	3.0	12
777	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 1.	3.0	40

#	ARTICLE	IF	CITATIONS
778	Forecasts on interacting dark energy from the 21-cm angular power spectrum with BINGO and SKA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1495-1514.	1.6	6
779	Non-universality of the mass function: dependence on the growth rate and power spectrum shape. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 6077-6090.	1.6	18
780	A hierarchical Bayesian SED model for Type Ia supernovae in the optical to near-infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3939-3966.	1.6	25
781	Implications of a rapidly varying FRB in a globular cluster of M81. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1867-1879.	1.6	31
782	Deep learning simulations of the microwave sky. <i>Physical Review D</i> , 2021, 104, .	1.6	8
783	Two-loop bispectrum of large-scale structure. <i>Physical Review D</i> , 2021, 104, .	1.6	20
784	Estimation of Photometric Redshifts. I. Machine-learning Inference for Pan-STARRS1 Galaxies Using Neural Networks. <i>Astronomical Journal</i> , 2021, 162, 297.	1.9	2
785	The Challenges Ahead for Multimessenger Analyses of Gravitational Waves and Kilonova: A Case Study on GW190425. <i>Astrophysical Journal</i> , 2021, 922, 269.	1.6	35
786	Phases of Mass Transfer from Hot Subdwarfs to White Dwarf Companions and Their Photometric Properties. <i>Astrophysical Journal</i> , 2021, 922, 245.	1.6	18
787	Constraints on the End of Reionization from the Density Fields Surrounding Two Highly Opaque Quasar Sightlines. <i>Astrophysical Journal</i> , 2021, 923, 87.	1.6	17
788	Stars Crushed by Black Holes. I. On the Energy Distribution of Stellar Debris in Tidal Disruption Events. <i>Astrophysical Journal</i> , 2021, 923, 184.	1.6	12
789	An Early-time Optical and Ultraviolet Excess in the Type-Ic SN 2020oi. <i>Astrophysical Journal</i> , 2022, 924, 55.	1.6	22
790	Preparing to Discover the Unknown with Rubin LSST: Time Domain. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 2.	3.0	10
791	Inflation story: slow-roll and beyond. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 038.	1.9	10
792	Autonomous Real-Time Science-Driven Follow-up of Survey Transients. <i>Lecture Notes in Computer Science</i> , 2022, , 59-72.	1.0	1
793	Passive spiral galaxies deeply captured by Subaru Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 612-624.	1.0	8
794	A Mock Catalog of Gravitationally-lensed Quasars for the LSST Survey. <i>Astronomical Journal</i> , 2022, 163, 139.	1.9	10
795	Star Formation Properties of Sloan Digital Sky Survey BOSS Void Galaxies in the Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , 2022, 926, 115.	1.6	5

#	ARTICLE	IF	CITATIONS
796	Universality of the halo mass function in modified gravity cosmologies. <i>Physical Review D</i> , 2022, 105, .	1.6	5
797	Multiwavelength radiation models for low-luminosity GRBs and the implications for UHECRs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5823-5842.	1.6	6
798	From atomic physics, to upper-atmospheric chemistry, to cosmology: A laser photometric ratio star to calibrate telescopes at major observatories. <i>Natural Sciences</i> , 2022, 2, .	1.0	1
799	Deep learning methods for obtaining photometric redshift estimations from images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1696-1709.	1.6	10
800	Optical Rebrightening of Extragalactic Transients from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2022, 926, L11.	3.0	2
801	Detecting and Monitoring Tidal Dissipation of Hot Jupiters in the Era of <i>Star</i> . <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 055005.	0.7	3
802	<i>The Thresher</i> : Lucky imaging without the waste. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5372-5384.	1.6	0
803	Numerical complexity of the joint nulled weak-lensing probability distribution function. <i>Physical Review D</i> , 2022, 105, .	1.6	1
804	HOLISMOKES. <i>Astronomy and Astrophysics</i> , 2022, 658, A157.	2.1	11
805	The Fornax Deep Survey with the VST. <i>Astronomy and Astrophysics</i> , 2022, 662, A43.	2.1	16
806	EDGE: What shapes the relationship between $H\alpha$ and stellar observables in faint dwarf galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5672-5681.	1.6	14
807	Linking Extragalactic Transients and Their Host Galaxy Properties: Transient Sample, Multiwavelength Host Identification, and Database Construction. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 13.	3.0	6
808	Impact of image persistence in the <i>Roman Space Telescope</i> High-Latitude Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3312-3318.	1.6	2
809	New low mass ratio contact binaries in the Catalina Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1244-1261.	1.6	22
810	AI-driven spatio-temporal engine for finding gravitationally lensed type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5404-5417.	1.6	7
811	Star-Galaxy Image Separation with Computationally Efficient Gaussian Process Classification. <i>Astronomical Journal</i> , 2022, 163, 148.	1.9	6
812	Tidal virialization of dark matter haloes with clustering dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 014.	1.9	1
813	RR Lyrae Stars and Anomalous Cepheids as Population Tracers in Local Group Galaxies. <i>Universe</i> , 2022, 8, 191.	0.9	7

#	ARTICLE	IF	CITATIONS
814	Sensitivity tests of cosmic velocity fields to massive neutrinos. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3319-3330.	1.6	6
815	A Physical Model of Delayed Rebrightenings in Shock-interacting Supernovae without Narrow-line Emission. <i>Astrophysical Journal</i> , 2022, 927, 148.	1.6	2
816	Bayesian vs frequentist: comparing Bayesian model selection with a frequentist approach using the iterative smoothing method. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 047.	1.9	4
817	Low-cost Access to the Deep, High-cadence Sky: the Argus Optical Array. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 035003.	1.0	9
818	Accuracy of power spectra in dissipationless cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1829-1842.	1.6	8
819	The Population of Interstellar Objects Detectable with the LSST and Accessible for In Situ Rendezvous with Various Mission Designs. <i>Planetary Science Journal</i> , 2022, 3, 71.	1.5	23
820	Taxonomy of Asteroids From the Legacy Survey of Space and Time Using Neural Networks. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	6
821	HOLISMOKES. <i>Astronomy and Astrophysics</i> , 2022, 662, A4.	2.1	13
822	Low-efficiency long gamma-ray bursts: a case study with AT2020btl. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1391-1399.	1.6	3
823	SDSS IV MaNGA: visual morphological and statistical characterization of the DR15 sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2222-2244.	1.6	12
824	Cosmological implications of the full shape of anisotropic clustering measurements in BOSS and eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5657-5670.	1.6	26
825	Extracting photometric redshift from galaxy flux and image data using neural networks in the CSST survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4593-4603.	1.6	8
826	Measuring weak lensing masses on individual clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4785-4791.	1.6	5
827	SN 2012ij: A Low-luminosity Type Ia Supernova and Evidence for a Continuous Distribution from a 91bg-like Explosion to Normal Ones*. <i>Astrophysical Journal</i> , 2022, 927, 142.	1.6	7
828	Fitting AGN/Galaxy X-Ray-to-radio SEDs with CIGALE and Improvement of the Code. <i>Astrophysical Journal</i> , 2022, 927, 192.	1.6	62
829	Validation and Improvement of the Pan-STARRS Photometric Calibration with the Stellar Color Regression Method. <i>Astronomical Journal</i> , 2022, 163, 185.	1.9	12
830	Constructing high-fidelity halo merger trees in <code>abacussummit</code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 837-854.	1.6	10
831	Cosmology with the <i>Roman Space Telescope</i> – Synergies with CMB lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5311-5328.	1.6	6



#	ARTICLE	IF	CITATIONS
832	GOLDRUSH. IV. Luminosity Functions and Clustering Revealed with $\sim 4,000,000$ Galaxies at $z \sim 7$ : Galaxy AGN Transition, Star Formation Efficiency, and Implication for Evolution at $z > 10$ . <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 20.	3.0	73
833	A novel cosmic filament catalogue from SDSS data. <i>Astronomy and Astrophysics</i> , 2022, 659, A166.	2.1	9
834	Including relativistic and primordial non-Gaussianity contributions in cosmological simulations by modifying the initial conditions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 048.	1.9	3
835	Early warning of precessing neutron-star black hole binary mergers with the near-future gravitational-wave detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3878-3884.	1.6	4
836	Mitigating the impact of fiber assignment on the measurement of galaxy-lensing cross correlation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 008.	1.9	0
837	Photometric Recalibration of the SDSS Stripe 82 to a Few Millimagnitude Precision with the Stellar Color Regression Method and Gaia EDR3. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 26.	3.0	12
838	CHORUS. IV. Mapping the Spatially Inhomogeneous Cosmic Reionization with Subaru HSC. <i>Astrophysical Journal</i> , 2022, 927, 32.	1.6	8
839	Thermal Properties of 1847 WISE-observed Asteroids. <i>Planetary Science Journal</i> , 2022, 3, 56.	1.5	9
840	Less Than 1% of Core-collapse Supernovae in the Local Universe Occur in Elliptical Galaxies. <i>Astrophysical Journal</i> , 2022, 927, 10.	1.6	10
841	Constraining the cosmological parameters using gravitational wave observations of massive black hole binaries and statistical redshift information. <i>Physical Review Research</i> , 2022, 4, .	1.3	24
842	Legacy Survey of Space and Time cadence strategy evaluations for active galactic nucleus time-series data in Wide-Fast-Deep field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5580-5600.	1.6	10
843	The Type Icn SN 2021csp: Implications for the Origins of the Fastest Supernovae and the Fates of Wolf-Rayet Stars. <i>Astrophysical Journal</i> , 2022, 927, 180.	1.6	35
844	Kilonova Detectability with Wide-field Instruments. <i>Astrophysical Journal</i> , 2022, 927, 163.	1.6	34
845	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. <i>Astrophysical Journal</i> , 2022, 927, 109.	1.6	5
846	Using peculiar velocity surveys to constrain neutrino masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 345-362.	1.6	5
847	The Impact of Observing Strategy on Cosmological Constraints with LSST. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 58.	3.0	13
848	Fisher matrix for multiple tracers: the information in the cross-spectra. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 013.	1.9	3
849	Comet fading begins beyond Saturn. <i>Science Advances</i> , 2022, 8, eabm9130.	4.7	2

#	ARTICLE	IF	CITATIONS
850	The prospects of finding tidal disruption events with 2.5-m Wide-Field Survey Telescope based on mock observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2422-2436.	1.6	13
851	Constraining Brans-Dicke Cosmology with the CSST Galaxy Clustering Spectroscopic Survey. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 055021.	0.7	2
852	The spatial gauge-dependence of single-field inflationary bispectra. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 828, 137018.	1.5	4
853	Linking solar minimum, space weather, and night sky brightness. <i>Scientific Reports</i> , 2021, 11, 23893.	1.6	4
854	Simulation and Evaluation of Cloud Storage Caching for Data Intensive Science. <i>Computing and Software for Big Science</i> , 2022, 6, 1.	1.3	2
855	The effects of lensing by local structures on the dipole of radio source counts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3098-3101.	1.6	4
856	Blazar Variability with the Vera C. Rubin Legacy Survey of Space and Time. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 3.	3.0	7
857	Weak-lensing Mass Reconstruction of Galaxy Clusters with a Convolutional Neural Network. <i>Astrophysical Journal</i> , 2021, 923, 266.	1.6	3
858	A Survey of Novae in M83. <i>Astrophysical Journal</i> , 2021, 923, 239.	1.6	3
859	Predicting the Water Content of Interstellar Objects from Galactic Star Formation Histories. <i>Astrophysical Journal Letters</i> , 2022, 924, L1.	3.0	4
860	SALT3: An Improved Type Ia Supernova Model for Measuring Cosmic Distances. <i>Astrophysical Journal</i> , 2021, 923, 265.	1.6	40
861	The Atacama Cosmology Telescope: A Search for Planet 9. <i>Astrophysical Journal</i> , 2021, 923, 224.	1.6	10
862	Impact of point spread function higher moments error on weak gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1978-1993.	1.6	6
863	The SVOM mission. <i>International Journal of Modern Physics D</i> , 2022, 31, .	0.9	19
864	Discovery of the Fastest Early Optical Emission from Overluminous SN Ia 2020hvf: A Thermonuclear Explosion within a Dense Circumstellar Environment. <i>Astrophysical Journal Letters</i> , 2021, 923, L8.	3.0	27
865	Stars in the local galactic thick disc and halo in Gaia EDR3: a catalogue of half a million local main-sequence stars with photometric metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4308-4329.	1.6	5
866	Conditional Neural Process for nonparametric modeling of active galactic nuclei light curves. <i>Astronomische Nachrichten</i> , 2022, 343, .	0.6	3
867	Supernova Host Galaxy Association and Photometric Classification of over 10,000 Light Curves from the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , 2021, 5, 283.	0.3	2

#	ARTICLE	IF	CITATIONS
868	High-quality Strong Lens Candidates in the Final Kilo-Degree Survey Footprint. <i>Astrophysical Journal</i> , 2021, 923, 16.	1.6	20
869	A fast estimator for quantifying the shape dependence of the 3D bispectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 024.	1.9	4
870	A comprehensive search for the radio counterpart of GW190814 with the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3794-3805.	1.6	14
871	Characterizing Sparse Asteroid Light Curves with Gaussian Processes. <i>Astronomical Journal</i> , 2022, 163, 29.	1.9	2
872	Cosmological Tests of Gravity: A Future Perspective. <i>Universe</i> , 2021, 7, 506.	0.9	4
873	Accretion-induced merger leading to core-collapse supernovae in old stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4242-4248.	1.6	1
874	Direct Detection of Dark Asteroid. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012037.	0.3	0
875	Ultralarge-scale approximations and galaxy clustering: Debiasing constraints on cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1964-1977.	1.6	7
876	Observational constraints on the deceleration parameter in a tilted universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2394-2406.	1.6	8
877	Using AGN light curves to map accretion disc temperature fluctuations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1046-1062.	1.6	11
878	Preparing for low surface brightness science with the Vera C. Rubin Observatory: Characterization of tidal features from mock images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1459-1487.	1.6	19
879	A systematic search for galaxy protocluster cores at the transition epoch of their star formation activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3252-3272.	1.6	5
880	Joint Survey Processing. I. Compact Oddballs in the COSMOS Field—Low-luminosity Quasars at $z \gtrsim 6$ ?. <i>Astrophysical Journal</i> , 2022, 929, 66.	1.6	7
881	Machine learning for fast transients for the Deeper, Wider, Faster program with the Removal Of BOgus Transients (ROBOT) pipeline. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	5
882	Covariances of density probability distribution functions. Lessons from hierarchical models. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	2
883	A Rich Satellite Population of the NGC 4437 Group and Implications of a Magnitude Gap for Galaxy Group Assembly History. <i>Astrophysical Journal</i> , 2022, 929, 36.	1.6	2
884	Applications and Techniques for Fast Machine Learning in Science. <i>Frontiers in Big Data</i> , 2022, 5, 787421.	1.8	20
885	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. <i>Astronomical Journal</i> , 2022, 163, 209.	1.9	2

#	ARTICLE	IF	CITATIONS
886	The effective field theory of large-scale structure and multi-tracer. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 021.	1.9	7
887	ProFuse: physical multiband structural decomposition of galaxies and the mass–age plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2985-3012.	1.6	12
888	Characterizing eclipsing white dwarf M dwarf binaries from multiband eclipse photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3050-3064.	1.6	6
889	A New Infrared Criterion for Selecting Active Galactic Nuclei to Lower Luminosities. <i>Astronomical Journal</i> , 2022, 163, 224.	1.9	12
890	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	2.4	350
891	Mitigating foreground bias to the CMB lensing power spectrum for a CMB-HD survey. <i>Physical Review D</i> , 2022, 105, .	1.6	7
892	Exotic image formation in strong gravitational lensing by clusters of galaxies III: Statistics with HUDF. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
893	Effects of an Immortal Stellar Population in AGN Disks. <i>Astrophysical Journal</i> , 2022, 929, 133.	1.6	17
894	Dark Energy Survey Year 3 results: calibration of lens sample redshift distributions using clustering redshifts with BOSS/eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 5517-5539.	1.6	16
895	Optical variability of quasars with 20-yr photometric light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 164-184.	1.6	24
896	Machine learning technique for morphological classification of galaxies from SDSS. II. The image-based morphological catalogs of galaxies at $0.02 < z < 0.1$ . <i>Kosmicheskaia Nauka i Tehnologii</i> , 2022, 28, 03-22.	0.1	2
897	Cross-correlations between mm-wave line-intensity mapping and weak-lensing surveys: preliminary consideration of long-term prospects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4090-4106.	1.6	4
898	Cosmological Parameter Estimation Using Current and Future Observations of Strong Gravitational Lensing. <i>Universe</i> , 2022, 8, 254.	0.9	5
899	The NASA Multi-Messenger Astrophysics Science Support Center (MOSSAIC). <i>Astronomy and Computing</i> , 2022, 40, 100582.	0.8	1
900	Zwicky Transient Facility and Globular Clusters: The RR Lyrae gri-band Period–Luminosity–Metallicity and Period–Wesenheit–Metallicity Relations. <i>Astronomical Journal</i> , 2022, 163, 239.	1.9	7
901	<i>Euclid</i> : Covariance of weak lensing pseudo- $C_{\ell}$ estimates. <i>Astronomy and Astrophysics</i> , 2022, 660, A114.	2.1	2
902	Galaxy Light Profile Convolutional Neural Networks (GalNets). I. Fast and Accurate Structural Parameters for Billion-galaxy Samples. <i>Astrophysical Journal</i> , 2022, 929, 152.	1.6	8
903	New Exact and Solitary Wave Solutions of Nonlinear Schamel–KdV Equation. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, .	0.9	18

#	ARTICLE	IF	CITATIONS
904	DeepGhostBusters: Using Mask R-CNN to detect and mask ghosting and scattered-light artifacts from optical survey images. <i>Astronomy and Computing</i> , 2022, 39, 100580.	0.8	6
905	Galactic Positrons from Thermonuclear Supernovae. <i>Astrophysical Journal</i> , 2022, 930, 107.	1.6	1
906	FitsMap: A simple, lightweight tool for displaying interactive astronomical image and catalog data. <i>Astronomy and Computing</i> , 2022, 39, 100586.	0.8	1
907	Joint Survey Processing. II. Stellar Proper Motions in the COSMOS Field from Hubble Space Telescope ACS and Subaru Telescope HSC Observations. <i>Astrophysical Journal</i> , 2022, 930, 71.	1.6	1
908	Oâ€™TRAIN: A robust and flexible â€™real or bogusâ€™ classifier for the study of the optical transient sky. <i>Astronomy and Astrophysics</i> , 2022, 664, A81.	2.1	3
909	Sizing from the smallest scales: the mass of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4968-4982.	1.6	6
910	Morphology of dark matter haloes beyond triaxiality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4929-4944.	1.6	1
911	Galaxy correlation function and local density from photometric redshifts using the stochastic order redshift technique (SORT). <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1857-1878.	1.6	2
912	Lump and travelling wave solutions of a (3 + 1)-dimensional nonlinear evolution equation. <i>Journal of Ocean Engineering and Science</i> , 2024, 9, 164-172.	1.7	4
913	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2022, 662, A112.	2.1	106
914	Galaxy blending effects in deep imaging cosmic shear probes of cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 5905-5926.	1.6	2
915	Hermeian haloes: Field haloes that interacted with both the Milky Way and M31. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3612-3625.	1.6	3
916	Photometric redshift-aided classification using ensemble learning. <i>Astronomy and Astrophysics</i> , 2022, 666, A87.	2.1	12
917	Ellipsars: Ring-like Explosions from Flattened Stars. <i>Astrophysical Journal Letters</i> , 2022, 931, L16.	3.0	4
918	The <i>Gaia</i> EDR3 view of Johnson-Kron-Cousins standard stars: the curated Landolt and Stetson collections. <i>Astronomy and Astrophysics</i> , 2022, 664, A109.	2.1	10
919	Multi-Messenger Constraints on the Hubble Constant through Combination of Gravitational Waves, Gamma-Ray Bursts and Kilonovae from Neutron Star Mergers. <i>Universe</i> , 2022, 8, 289.	0.9	13
920	The GALEX-PTF Experiment. II. Supernova Progenitor Radius and Energetics via Shock-cooling Modeling. <i>Astrophysical Journal</i> , 2022, 931, 71.	1.6	2
921	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. <i>Astronomical Journal</i> , 2022, 163, 284.	1.9	16

#	ARTICLE	IF	CITATIONS
922	ASTRI Mini-Array core science at the Observatorio del Teide. <i>Journal of High Energy Astrophysics</i> , 2022, 35, 1-42.	2.4	18
923	Reionization with Simba: How Much Does Astrophysics Matter in Modeling Cosmic Reionization?. <i>Astrophysical Journal</i> , 2022, 931, 62.	1.6	6
924	Photometric calibration methods for wide-field photometric surveys. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2022, 52, 289503.	0.2	6
925	<sc>grumpy</sc>: a simple framework for realistic forward modelling of dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2667-2691.	1.6	18
926	AutoSourceID-Light. <i>Astronomy and Astrophysics</i> , 2022, 662, A109.	2.1	5
927	GPS Measurements of Precipitable Water Vapor Can Improve Survey Calibration: A Demonstration from KPNO and the Mayall z-band Legacy Survey. <i>Astronomical Journal</i> , 2022, 163, 283.	1.9	1
928	Machine learning in the search for new fundamental physics. <i>Nature Reviews Physics</i> , 2022, 4, 399-412.	11.9	31
929	Early-type galaxy density profiles from IllustrisTNG “ III. Effects on outer kinematic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6134-6151.	1.6	3
930	Priors on red galaxy stochasticity from hybrid effective field theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2198-2213.	1.6	9
931	The sphere of influence of the bright central galaxies in the diffuse light of SDSS clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2692-2706.	1.6	7
932	Alignment of the central galaxies with the environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1077-1087.	1.6	7
933	Photometric Redshifts for Next-Generation Surveys. <i>Annual Review of Astronomy and Astrophysics</i> , 2022, 60, 363-414.	8.1	27
934	The Dark Energy Survey supernova program: cosmological biases from supernova photometric classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 1106-1127.	1.6	7
935	A structure function analysis of VST-COSMOS AGN. <i>Astronomy and Astrophysics</i> , 2022, 664, A117.	2.1	5
936	Metallicity of Galactic RR Lyrae from Optical and Infrared Light Curves. II. Period“Fourier“Metallicity Relations for First Overtone RR Lyrae. <i>Astrophysical Journal</i> , 2022, 931, 131.	1.6	7
939	Cluster Membership of Galaxies Using Multi-Layer Perceptron Neural Network. <i>Universe</i> , 2022, 8, 339.	0.9	2
940	Occultation portal: A web-based platform for data collection and analysis of stellar occultations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1346-1357.	1.6	5
941	Evolution mapping: a new approach to describe matter clustering in the non-linear regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	2

#	ARTICLE	IF	CITATIONS
942	Predicting Solar Flares Using CNN and LSTM on Two Solar Cycles of Active Region Data. <i>Astrophysical Journal</i> , 2022, 931, 163.	1.6	23
943	A machine learning approach to infer the accreted stellar mass fractions of central galaxies in the TNG100 simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3938-3955.	1.6	6
944	Search for extended Lyman- $\alpha$ emission around 9k quasars at $z=2-3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3910-3924.	1.6	0
945	New limits from microlensing on Galactic black holes in the mass range $10^{-6} M_{\odot} < M < /i> <sub>\hat{S}^{\text{TM}}</sub> \hat{\epsilon}, <i> M < /i> \hat{\epsilon}, <i> M < /i> \hat{\epsilon}, 1000 \hat{\epsilon} < i> M < /i> <sub>\hat{S}^{\text{TM}}</sub> . Astronomy and Astrophysics, 2022, 664, A106.$	1.6	0
946	Ultra Long Period Cepheids: Observation and Theory. <i>Universe</i> , 2022, 8, 335.	0.9	3
947	Deep-learning real/bogus classification for the Tomo-e Gozen transient survey. <i>Publication of the Astronomical Society of Japan</i> , 0, , .	1.0	4
948	Finding strong gravitational lenses through self-attention. <i>Astronomy and Astrophysics</i> , 2022, 664, A4.	2.1	6
949	On some optical soliton structures to the Lakshmanan-Porsezian-Daniel model with a set of nonlinearities. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	9
950	TSCat: Data Model and Storage Engine for AI-based Light Curve Analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	0
951	<i>Gaia</i> Data Release 3. <i>Astronomy and Astrophysics</i> , 2023, 674, A35.	2.1	16
952	Non-linear reconstruction of features in the primordial power spectrum from large-scale structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4363-4378.	1.6	7
953	The Signatures of Self-interacting Dark Matter and Subhalo Disruption on Cluster Substructure. <i>Astrophysical Journal</i> , 2022, 932, 30.	1.6	11
954	Detection of spatial clustering in the 1000 richest SDSS DR8 redMaPPer clusters with nearest neighbor distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3828-3843.	1.6	6
955	Scattering Searches for Dark Matter in Subhalos: Neutron Stars, Cosmic Rays, and Old Rocks. <i>Physical Review Letters</i> , 2022, 128, .	2.9	28
956	Searching for Anomalies in the ZTF Catalog of Periodic Variable Stars. <i>Astrophysical Journal</i> , 2022, 932, 118.	1.6	4
957	Nothing to see here: failed supernovae are faint or rare. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1188-1205.	1.6	11
958	A Library of Synthetic X-Ray Spectra for Fitting Tidal Disruption Events. <i>Astrophysical Journal</i> , 2022, 933, 31.	1.6	7
959	The bulge masses of TDE host galaxies and their scaling with black hole mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1146-1157.	1.6	12



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960	KiDS-1000: Cosmic shear with enhanced redshift calibration. <i>Astronomy and Astrophysics</i> , 2022, 664, A170.	2.1	16
961	Bumpy Declining Light Curves Are Common in Hydrogen-poor Superluminous Supernovae. <i>Astrophysical Journal</i> , 2022, 933, 14.	1.6	23
962	Tidal disruption of solitons in self-interacting ultralight axion dark matter. <i>Physical Review D</i> , 2022, 105, .	1.6	9
963	MUSUBI (MegaCam Ultra-deep Survey: u*-band Imaging) Data for the COSMOS and SXDS Fields. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 54.	3.0	0
964	Two Classes of Gamma-ray Bursts Distinguished within the First Second of Their Prompt Emission. <i>Galaxies</i> , 2022, 10, 78.	1.1	4
965	MUSSES2020J: The Earliest Discovery of a Fast Blue Ultraluminous Transient at Redshift 1.063. <i>Astrophysical Journal Letters</i> , 2022, 933, L36.	3.0	7
966	Evaluating the V-band Photometric Metallicity with Fundamental Mode RR Lyrae in the Kepler Field. <i>Astronomical Journal</i> , 2022, 164, 45.	1.9	3
967	Constraining the Progenitor System of the Type Ia Supernova 2021aefx. <i>Astrophysical Journal Letters</i> , 2022, 933, L45.	3.0	18
968	The near ultraviolet transient surveyor (NUTS): An ultraviolet telescope to observe variable sources. <i>Experimental Astronomy</i> , 0, , .	1.6	0
969	The Nature of Low-surface-brightness Galaxies in the Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , 2022, 933, 150.	1.6	8
970	Key Space and Ground Facilities in GRB Science. <i>Universe</i> , 2022, 8, 373.	0.9	5
971	pyobs - An Observatory Control System for Robotic Telescopes. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	0
972	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. <i>Astrophysical Journal</i> , 2022, 933, 84.	1.6	2
973	Using LSST Microlensing to Constrain Dark Compact Objects in Spherical and Disk Configurations. <i>Astrophysical Journal</i> , 2022, 933, 177.	1.6	2
974	The Volatile Carbon-to-oxygen Ratio as a Tracer for the Formation Locations of Interstellar Comets. <i>Planetary Science Journal</i> , 2022, 3, 150.	1.5	10
975	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. <i>Astrophysical Journal</i> , 2022, 933, 134.	1.6	6
976	An exploration of how training set composition bias in machine learning affects identifying rare objects. <i>Astronomy and Computing</i> , 2022, 40, 100617.	0.8	1
977	The Time Domain Spectroscopic Survey: Changing-look Quasar Candidates from Multi-epoch Spectroscopy in SDSS-IV. <i>Astrophysical Journal</i> , 2022, 933, 180.	1.6	19

#	ARTICLE	IF	CITATIONS
978	The PAndAS View of the Andromeda Satellite System. III. Dwarf Galaxy Detection Limits. <i>Astrophysical Journal</i> , 2022, 933, 135.	1.6	5
979	ShapePipe: A modular weak-lensing processing and analysis pipeline. <i>Astronomy and Astrophysics</i> , 2022, 664, A141.	2.1	1
980	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1942-1972.	1.6	27
981	Challenges for $\Lambda$ CDM: An update. <i>New Astronomy Reviews</i> , 2022, 95, 101659.	5.2	246
982	The LCO Outbursting Objects Key Project: Overview and Year 1 Status. <i>Planetary Science Journal</i> , 2022, 3, 173.	1.5	5
983	Inferring properties of dust in supernovae with neural networks. <i>Astronomy and Astrophysics</i> , 2022, 666, A176.	2.1	2
984	GRANDMA observations of ZTF Fink transients during summer 2021. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 6007-6022.	1.6	7
985	DeepAdversaries: examining the robustness of deep learning models for galaxy morphology classification. <i>Machine Learning: Science and Technology</i> , 2022, 3, 035007.	2.4	9
986	ANDICAM <i>i</i> - and <i>J</i> -band monitoring of bright inner Galactic late-type stars. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 1049-1068.	1.0	1
987	Updated neutrino mass constraints from galaxy clustering and CMB lensing-galaxy cross-correlation measurements. <i>Journal of High Energy Astrophysics</i> , 2022, 36, 1-26.	2.4	21
988	Strongly lensed type Ia supernovae as a precise late-Universe probe of measuring the Hubble constant and cosmic curvature. <i>Physical Review D</i> , 2022, 106, .	1.6	8
989	Beyond the Local Volume. II. Population Scaleheights and Ages of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields. <i>Astrophysical Journal</i> , 2022, 934, 73.	1.6	4
990	The Astronomy Commons Platform: A Deployable Cloud-based Analysis Platform for Astronomy. <i>Astronomical Journal</i> , 2022, 164, 68.	1.9	0
991	Connecting the Light Curves of Type IIP Supernovae to the Properties of Their Progenitors. <i>Astrophysical Journal</i> , 2022, 934, 67.	1.6	6
992	Recent Advances in the Pan-STARRS Search for Near-Earth Objects. , 2022, , .		0
993	Asteroid families: properties, recent advances, and future opportunities. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2022, 134, .	0.5	17
994	SNIa Cosmology Analysis Results from Simulated LSST Images: From Difference Imaging to Constraints on Dark Energy. <i>Astrophysical Journal</i> , 2022, 934, 96.	1.6	9
995	A Simple Condition for Sustained Super-Eddington Black Hole Growth. <i>Astrophysical Journal</i> , 2022, 934, 58.	1.6	2

#	ARTICLE	IF	CITATIONS
996	SNGuess: A method for the selection of young extragalactic transients. <i>Astronomy and Astrophysics</i> , 2022, 665, A99.	2.1	1
997	Study of the detection capability and observation strategy of WFST-like telescope for kilonovae. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2023, 53, 259511.	0.2	1
998	Reaching for the Edge I: probing the outskirts of massive galaxies with HSC, DECaLS, SDSS, and Dragonfly. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5335-5357.	1.6	9
999	Constraining $H_0$ via extragalactic parallax. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 4990-4998.	1.6	1
1000	A fresh look at AGN spectral energy distribution fitting with the XMM-SERVS AGN sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5617-5628.	1.6	0
1001	Transient simulations for radio surveys. <i>Astronomy and Computing</i> , 2022, 40, 100629.	0.8	2
1002	COSMOS2020: Manifold learning to estimate physical parameters in large galaxy surveys. <i>Astronomy and Astrophysics</i> , 2022, 665, A34.	2.1	5
1003	Forecast of neutrino cosmology from the CSST photometric galaxy clustering and cosmic shear surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5743-5757.	1.6	4
1004	Developing a victorious strategy to the second strong gravitational lensing data challenge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5121-5134.	1.6	6
1005	Euclid: Fast two-point correlation function covariance through linear construction. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0
1006	Rubin Observatory Commissioning Camera: summit integration. , 2022, , .		0
1007	Galaxy morpho-Z with neural Networks (GaZNets). <i>Astronomy and Astrophysics</i> , 2022, 666, A85.	2.1	2
1008	The miniJPAS survey: White dwarf science with 56 optical filters. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	1
1009	Galaxy And Mass Assembly (GAMA): bulge-disc decomposition of KiDS data in the nearby Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 942-974.	1.6	12
1010	KilonovaNet: Surrogate models of kilonova spectra with conditional variational autoencoders. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1137-1148.	1.6	5
1011	Spectral Energy Distributions in Three Deep-drilling Fields of the Vera C. Rubin Observatory Legacy Survey of Space and Time: Source Classification and Galaxy Properties. <i>Astrophysical Journal, Supplement Series</i> , 2022, 262, 15.	3.0	12
1012	GaMPEN: A Machine-learning Framework for Estimating Bayesian Posteriors of Galaxy Morphological Parameters. <i>Astrophysical Journal</i> , 2022, 935, 138.	1.6	5
1013	Dwarf AGNs from Optical Variability for the Origins of Seeds (DAVOS): insights from the dark energy survey deep fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 2736-2756.	1.6	12

#	ARTICLE	IF	CITATIONS
1014	Hubble constant and nuclear equation of state from kilonova spectro-photometric light curves. <i>Astronomy and Astrophysics</i> , 2022, 666, A67.	2.1	5
1015	Observing Scenarios for the Next Decade of Early Warning Detection of Binary Neutron Stars. <i>Astrophysical Journal</i> , 2022, 935, 139.	1.6	7
1016	Simulating the Legacy Survey of Space and Time Stellar Content with TRILEGAL. <i>Astrophysical Journal, Supplement Series</i> , 2022, 262, 22.	3.0	5
1017	Constraints on multifield inflation from the BOSS galaxy survey. <i>Physical Review D</i> , 2022, 106, .	1.6	52
1018	Standardizing reverberation-measured $C\alpha\%$ time-lag quasars, and using them with standardized $Mg\%$ quasars to constrain cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1721-1740.	1.6	16
1019	Impact of intrinsic alignments on clustering constraints of the growth rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 787-793.	1.6	3
1020	The H.E.S.S. transients follow-up system. <i>Astronomy and Astrophysics</i> , 2022, 666, A119.	2.1	5
1021	The Star-forming Main Sequence of the Host Galaxies of Low-redshift Quasars. <i>Astrophysical Journal</i> , 2022, 934, 130.	1.6	12
1022	Characteristics of Kepler Eclipsing Binaries Displaying a Significant O'Connell Effect. <i>Astrophysical Journal, Supplement Series</i> , 2022, 262, 10.	3.0	9
1023	<i>Euclid</i> : Cosmological forecasts from the void size function. <i>Astronomy and Astrophysics</i> , 2022, 667, A162.	2.1	10
1024	MOCCA-SURVEY Database I: tidal disruption events of white dwarfs in globular clusters and young mass clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 4038-4054.	1.6	4
1025	Effect of damped oscillations in the inflationary potential. <i>European Physical Journal C</i> , 2022, 82, .	1.4	5
1026	One spectrum to cure them all: signature from early Universe solves major anomalies and tensions in cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 063.	1.9	17
1027	AutoEnRichness: A hybrid empirical and analytical approach for estimating the richness of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 316-335.	1.6	0
1028	Strong lensing in UNIONS: Toward a pipeline from discovery to modeling. <i>Astronomy and Astrophysics</i> , 2022, 666, A1.	2.1	9
1029	Field-level inference of galaxy intrinsic alignment from the SDSS-III BOSS survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 003.	1.9	6
1030	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2022, 666, A200.	2.1	5
1031	Computational challenges for multimodal astrophysics. <i>Nature Computational Science</i> , 2022, 2, 479-485.	3.8	1

#	ARTICLE	IF	CITATIONS
1032	Climbing out of the shadows: Building the distance ladder with black hole images. <i>Physics of the Dark Universe</i> , 2022, 37, 101104.	1.8	4
1033	Accreting White Dwarfs. , 2022, , 1-45.		0
1034	Outlier Detection based on Transformations for Astronomical Time Series. , 2022, , .		1
1035	Fisher matrix for the angular power spectrum of multi-tracer galaxy surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 073.	1.9	2
1036	Solving small-scale clustering problems in approximate light-cone mocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1062-1071.	1.6	1
1037	The Missing Satellite Problem outside of the Local Group. II. Statistical Properties of Satellites of Milky Wayâ€“like Galaxies. <i>Astrophysical Journal</i> , 2022, 936, 38.	1.6	9
1038	Unveiling the Nature of Polar-ring Galaxies from Deep Imaging. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 115003.	0.7	4
1039	A machine-learning classifier for LOFAR radio galaxy cross-matching techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4716-4738.	1.6	7
1040	Improving Astronomical Time-series Classification via Data Augmentation with Generative Adversarial Networks. <i>Astrophysical Journal</i> , 2022, 935, 23.	1.6	3
1041	SRGA J181414.6-225604: A New Galactic Symbiotic X-Ray Binary Outburst Triggered by an Intense Mass-loss Episode of a Heavily Obscured Mira Variable. <i>Astrophysical Journal</i> , 2022, 935, 36.	1.6	3
1042	Orb_It: A Validation Package for Orbit Integrators. <i>Research Notes of the AAS</i> , 2022, 6, 174.	0.3	0
1043	High-energy neutrino transients and the future of multi-messenger astronomy. <i>Nature Reviews Physics</i> , 2022, 4, 697-712.	11.9	8
1044	Ly $\alpha$ Escape from Low-mass, Compact, High-redshift Galaxies. <i>Astronomical Journal</i> , 2022, 164, 159.	1.9	4
1045	A measurement of Hubbleâ€™s Constant using Fast Radio Bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4862-4881.	1.6	38
1046	On the diversity of magnetar-driven kilonovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4949-4962.	1.6	13
1047	The Locus Algorithm: The design, implementation and performance characterisation of a software and grid computing system to optimise the quality of fields of view for differential photometry. <i>Astronomy and Computing</i> , 2022, 41, 100656.	0.8	2
1048	Non-universal stellar initial mass functions: large uncertainties in star formation rates at $z \lesssim 4$ and other astrophysical probes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 2471-2484.	1.6	6
1049	Improving cosmological covariance matrices with machine learning. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 013.	1.9	4

#	ARTICLE	IF	CITATIONS
1050	Forward-modelling the luminosity, distance, and size distributions of the Milky Way satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 3944-3971.	1.6	18
1051	Examining AGN UV/Optical Variability beyond the Simple Damped Random Walk. <i>Astrophysical Journal</i> , 2022, 936, 132.	1.6	17
1052	Photometrically Classified Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey: A Case Study for Science with Machine-learning-based Classification. <i>Astrophysical Journal</i> , 2022, 937, 13.	1.6	3
1053	A simple and accurate prescription for the tidal disruption radius of a star and the peak accretion rate in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 517, L26-L30.	1.2	8
1054	Radio Nebulae from Hyperaccreting X-Ray Binaries as Common-envelope Precursors and Persistent Counterparts of Fast Radio Bursts. <i>Astrophysical Journal</i> , 2022, 937, 5.	1.6	20
1055	Real-time detection of anomalies in large-scale transient surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 393-419.	1.6	5
1056	Inferring galaxy dark halo properties from visible matter with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 3924-3943.	1.6	8
1057	Semi-supervised classification and clustering analysis for variable stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 3660-3681.	1.6	3
1058	Fast Fourier Transformation Based Evaluation of Microlensing Magnification with Extended Source. <i>Astrophysical Journal</i> , 2022, 937, 63.	1.6	0
1059	Searching for the Next Galactic Luminous Red Nova. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	0
1060	Dwarf AGNs from variability for the origins of seeds (DAVOS): Intermediate-mass black hole demographics from optical synoptic surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 1880-1904.	1.6	8
1061	Quasars with Periodic Variability: Capabilities and Limitations of Bayesian Searches for Supermassive Black Hole Binaries in Time-domain Surveys. <i>Astrophysical Journal</i> , 2022, 936, 89.	1.6	6
1062	Variability-selected Intermediate-mass Black Hole Candidates in Dwarf Galaxies from ZTF and WISE. <i>Astrophysical Journal</i> , 2022, 936, 104.	1.6	13
1063	Photometric Redshift Estimates using Bayesian Neural Networks in the CSST Survey. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 115017.	0.7	3
1064	Baryon acoustic oscillations from $\delta$ intensity mapping: The importance of cross-correlations in the monopole and quadrupole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5454-5470.	1.6	3
1065	Weak gravitational lensing shear estimation with <i>metacalibration</i> for the <i>Roman</i> High-Latitude Imaging Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 4241-4252.	1.6	8
1066	A Lightweight Deep Learning Framework for Galaxy Morphology Classification. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 115011.	0.7	2
1067	Improving the accuracy of estimators for the two-point correlation function. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0





#	ARTICLE	IF	CITATIONS
1086	Measuring Cosmological Parameters with Type Ia Supernovae in redMaGiC Galaxies. <i>Astrophysical Journal</i> , 2022, 938, 62.	1.6	12
1087	Towards 1% accurate galaxy cluster masses: including baryons in weak-lensing mass inference. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 034.	1.9	4
1088	Variable Star Classification with a Multiple-input Neural Network. <i>Astrophysical Journal</i> , 2022, 938, 37.	1.6	3
1089	From Clusters to Proto-Clusters: The Infrared Perspective on Environmental Galaxy Evolution. <i>Universe</i> , 2022, 8, 554.	0.9	11
1090	DELIGHT: Deep Learning Identification of Galaxy Hosts of Transients using Multiresolution Images. <i>Astronomical Journal</i> , 2022, 164, 195.	1.9	2
1091	Cosmological studies from HSC-SSP tomographic weak-lensing peak abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 594-612.	1.6	5
1092	Accelerated Bayesian SED Modeling Using Amortized Neural Posterior Estimation. <i>Astrophysical Journal</i> , 2022, 938, 11.	1.6	14
1093	DIGS: deep inference of galaxy spectra with neural posterior estimation. <i>Machine Learning: Science and Technology</i> , 2022, 3, 04LT04.	2.4	5
1094	On the Stability of Tidal Streams in Action Space. <i>Astrophysical Journal</i> , 2022, 939, 2.	1.6	6
1095	The miniJPAS survey quasar selection â€œ I. Mock catalogues for classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 3476-3493.	1.6	7
1096	An integrated imaging sensor for aberration-corrected 3D photography. <i>Nature</i> , 2022, 612, 62-71.	13.7	45
1097	A Generative Model for Quasar Spectra. <i>Astrophysical Journal</i> , 2022, 938, 17.	1.6	4
1098	The Pantheon+ Analysis: The Full Data Set and Light-curve Release. <i>Astrophysical Journal</i> , 2022, 938, 113.	1.6	130
1099	Numerical solution of the exact background collisional Boltzmann equation for dark matter-baryon scattering. <i>Physical Review D</i> , 2022, 106, .	1.6	2
1100	Finding high-redshift gamma-ray bursts in tandem near-infrared and optical surveys. <i>Nature Astronomy</i> , 2022, 6, 1101-1104.	4.2	2
1101	Constraints on the Galactic Centre environment from <i>Gaia</i> hypervelocity stars II: The evolved population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 3469-3484.	1.6	4
1102	<sc>scnce</sc>: a cosmic web finder for spherical and conic geometries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 1197-1217.	1.6	1
1103	Teleparallel gravity: from theory to cosmology. <i>Reports on Progress in Physics</i> , 2023, 86, 026901.	8.1	109

#	ARTICLE	IF	CITATIONS
1104	Photometric Redshift Uncertainties in Weak Gravitational Lensing Shear Analysis: Models and Marginalization. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	7
1105	A tale of a tail: a tidally disrupting ultra-diffuse galaxy in the M81 group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2497-2510.	1.6	4
1106	Physical Considerations for an Intercept Mission to a 11'' Oumuamua-like Interstellar Object. <i>Journal of Astronomical Instrumentation</i> , 0, , .	0.8	0
1107	Toward the Automated Detection of Light Echoes in Synoptic Surveys: Considerations on the Application of Deep Convolutional Neural Networks. <i>Astronomical Journal</i> , 2022, 164, 250.	1.9	4
1108	LSST Survey Strategies and Brown Dwarf Parallaxes. <i>Astrophysical Journal, Supplement Series</i> , 2022, 263, 23.	3.0	0
1109	The MUSE <i>Hubble</i> Ultra Deep Field surveys: Data release II. <i>Astronomy and Astrophysics</i> , 2023, 670, A4.	2.1	22
1110	BASS XXXIX: <i>Swift</i> -BAT AGN with changing-look optical spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2938-2953.	1.6	11
1111	Photometric Objects Around Cosmic Webs (PAC) Delineated in a Spectroscopic Survey. III. Accurate Measurement of Galaxy Stellar Mass Function with the Aid of Cosmological Redshift Surveys. <i>Astrophysical Journal</i> , 2022, 939, 104.	1.6	4
1112	An empirical method for mitigating an excess up-scattering mass bias on the weak lensing mass estimates for shear-selected cluster samples. <i>Publication of the Astronomical Society of Japan</i> , 0, , .	1.0	0
1113	Massive black hole binaries in LISA: Multimessenger prospects and electromagnetic counterparts. <i>Physical Review D</i> , 2022, 106, .	1.6	13
1114	Sensitivity estimation for dark matter subhalos in synthetic Gaia DR2 using deep learning. <i>Astronomy and Computing</i> , 2022, 41, 100667.	0.8	2
1115	<i>relescoping</i> : Reconstructing the mass profile of galaxy clusters from gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 4494-4516.	1.6	4
1116	Lessons learned from the two largest Galaxy morphological classification catalogues built by convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2794-2809.	1.6	3
1117	Got plenty of nothing: cosmic voids as a probe of particle dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 011.	1.9	3
1118	Active Galactic Nuclei Continuum Reverberation Mapping Based on Zwicky Transient Facility Light Curves. <i>Astrophysical Journal</i> , 2022, 940, 20.	1.6	7
1119	The Luminosity Function of Tidal Disruption Flares for the ZTF-I Survey. <i>Astrophysical Journal Letters</i> , 2022, 939, L33.	3.0	12
1120	Photometric identification of compact galaxies, stars, and quasars using multiple neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 3123-3136.	1.6	3
1121	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2023, 671, A99.	2.1	6

#	ARTICLE	IF	CITATIONS
1122	A Search for Predicted Astrometric Microlensing Events by Nearby Brown Dwarfs*. <i>Astronomical Journal</i> , 2022, 164, 253.	1.9	5
1123	Multiband light curves from eccentric accreting supermassive black hole binaries. <i>Physical Review D</i> , 2022, 106, .	1.6	10
1124	Premerger localization of intermediate mass binary black holes with LISA and prospects of joint observations with Athena and LSST. <i>Physical Review D</i> , 2022, 106, .	1.6	3
1125	Potential scientific synergies in weak lensing studies between the CSST and <i>Euclid</i> space probes. <i>Astronomy and Astrophysics</i> , 2023, 669, A128.	2.1	5
1126	Fast computation of non-linear power spectrum in cosmologies with massive neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 038.	1.9	2
1127	AGNet: Weighing Black Holes with Deep Learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	2
1128	The Halo Bias inside Cosmic Voids. <i>Astrophysical Journal Letters</i> , 2022, 940, L16.	3.0	12
1129	Latest Data Constraint of Some Parameterized Dark Energy Models. <i>Chinese Physics Letters</i> , 2023, 40, 019801.	1.3	2
1130	Cosmic Ray Detection in Astronomical Images via Dictionary Learning and Sparse Representation. , 2022, , .		0
1131	The rise and fall of the iron-strong nuclear transient PS16dtm. <i>Astronomy and Astrophysics</i> , 2023, 669, A140.	2.1	5
1132	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and galaxy-galaxy lensing using the MagLim lens sample. <i>Physical Review D</i> , 2022, 106, .	1.6	24
1133	Deep drilling in the time domain with DECam: survey characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 3881-3902.	1.6	2
1134	Accelerating cosmological inference with Gaussian processes and neural networks “ an application to LSST Y1 weak lensing and galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 4818-4831.	1.6	6
1135	Effects of Galaxy Intrinsic Alignment on Weak Lensing Peak Statistics. <i>Astrophysical Journal</i> , 2022, 940, 96.	1.6	5
1136	A New Period Determination Method for Periodic Variable Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 114507.	1.0	0
1137	Deep Generative Modeling of Periodic Variable Stars Using Physical Parameters. <i>Astronomical Journal</i> , 2022, 164, 263.	1.9	3
1138	Horizons: nuclear astrophysics in the 2020s and beyond. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2022, 49, 110502.	1.4	16
1139	Galaxy And Mass Assembly (GAMA): extended intragroup light in a group at <i>z</i>=0.2 from deep Hyper Suprime-Cam images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 1195-1213.	1.6	8

#	ARTICLE	IF	CITATIONS
1140	Impact of point spread function higher moments error on weak gravitational lensing – II. A comprehensive study. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2328-2350.	1.6	4
1141	A very luminous jet from the disruption of a star by a massive black hole. Nature, 2022, 612, 430-434.	13.7	23
1142	King Ghidorah Supercluster: Mapping the light and dark matter in a new supercluster at $z \approx 0.55$ using the Subaru Hyper Suprime-Cam. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 519, L45-L50.	1.2	2
1143	Unveiling the hosts of parsec-scale massive black hole binaries: morphology and electromagnetic signatures. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2083-2100.	1.6	5
1144	The equilibrium shape of (65) Cybele: primordial or relic of a large impact?. Astronomy and Astrophysics, 0, , .	2.1	0
1145	Constraining gravity with synergies between radio and optical cosmological surveys. Physics of the Dark Universe, 2023, 39, 101151.	1.8	2
1146	ArtPop: A Stellar Population and Image Simulation Python Package. Astrophysical Journal, 2022, 941, 26.	1.6	2
1147	Hidden depths in the local Universe: The Stellar Stream Legacy Survey. Astronomy and Astrophysics, 2023, 671, A141.	2.1	13
1148	Pulsar revival in neutron star mergers: multimessenger prospects for the discovery of pre-merger coherent radio emission. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3923-3946.	1.6	7
1149	Cosmological constraint precision of photometric and spectroscopic multi-probe surveys of <i>China Space Station Telescope</i> ( <i>CSST</i> ). Monthly Notices of the Royal Astronomical Society, 2022, 519, 1132-1148.	1.6	10
1150	Pan-chromatic photometric classification of supernovae from multiple surveys and transfer learning for future surveys. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1601-1619.	1.6	5
1151	Deep Attention-based Supernovae Classification of Multiband Light Curves. Astronomical Journal, 2023, 165, 18.	1.9	7
1152	White Dwarf – Red Giant Star Binaries as Type Ia Supernova Progenitors: With and without Magnetic Confinement. Astrophysical Journal Letters, 2022, 941, L33.	3.0	3
1153	On the detection of the electromagnetic counterparts from lensed gravitational wave events by binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2022, 518, 6183-6198.	1.6	7
1154	Photometric Confirmation and Characterization of the Ennomos Collisional Family in the Jupiter Trojans. Astronomical Journal, 2023, 165, 15.	1.9	2
1155	Combining the CLAUDS and HSC-SSP surveys. Astronomy and Astrophysics, 2023, 670, A82.	2.1	7
1156	New radio-loud QSOs at the end of the Re-ionization epoch. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2060-2068.	1.6	6
1157	The Obscured Fraction of Quasars at Cosmic Noon. Astrophysical Journal, 2022, 941, 97.	1.6	1

#	ARTICLE	IF	CITATIONS
1158	Solving the $H_0$ tension in $f(T)$ gravity through Bayesian machine learning. <i>European Physical Journal C</i> , 2022, 82, .	1.4	8
1159	A Southern Photometric Quasar Catalog from the Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2023, 264, 9.	3.0	5
1160	SCAT uncovers ATLAS's first tidal disruption event ATLAS18mlw: a faint and fast TDE in a quiescent Balmer strong Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2035-2045.	1.6	3
1161	Overcoming separation between counterparts due to unknown proper motions in catalogue cross-matching. , 2023, 2, 1-19.		0
1162	Jets from SANE super-Eddington accretion discs: morphology, spectra, and their potential as targets for ngEHT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2812-2837.	1.6	1
1163	Mechanisms for high spin in black-hole neutron-star binaries and kilonova emission: inheritance and accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 891-901.	1.6	5
1164	Synchrotron self-compton emission in the two-component jet model for gamma-ray bursts. <i>Journal of High Energy Astrophysics</i> , 2023, 37, 51-61.	2.4	4
1165	Extending Ultra-Diffuse Galaxy abundances to Milky Way analogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 884-890.	1.6	6
1166	Mapping variations of redshift distributions with probability integral transforms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 1792-1808.	1.6	1
1167	Semi-analytic forecasts for <i>Roman</i> – the beginning of a new era of deep-wide galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 1578-1600.	1.6	10
1168	Modeling Reconstructed Images of Jets Launched by SANE Super-Eddington Accretion Flows around SMBHs with the ngEHT. <i>Galaxies</i> , 2022, 10, 117.	1.1	3
1169	Optimizing the shape of photometric redshift distributions with clustering cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 2438-2450.	1.6	1
1170	Empirical Temperature- and Extinction-dependent Extinction Coefficients for the GALEX, Pan-STARRS 1, Gaia, SDSS, 2MASS, and WISE Passbands. <i>Astrophysical Journal, Supplement Series</i> , 2023, 264, 14.	3.0	14
1171	Improving machine learning-derived photometric redshifts and physical property estimates using unlabelled observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
1172	Luminous Supernovae: Unveiling a Population between Superluminous and Normal Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2022, 941, 107.	1.6	13
1173	Merger identification through photometric bands, colours, and their errors. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0
1174	Modeling photometric variations due to a global inhomogeneity on an obliquely rotating star: Application to light curves of white dwarfs. <i>Publication of the Astronomical Society of Japan</i> , 2023, 75, 103-119.	1.0	1
1175	Probabilistic mass-mapping with neural score estimation. <i>Astronomy and Astrophysics</i> , 2023, 672, A51.	2.1	6

#	ARTICLE	IF	CITATIONS
1176	Relating Peak Optical Luminosity and Orbital Period of Stellar-Mass Black Holes in X-ray Binaries. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
1177	Detection of anisotropic satellite quenching in galaxy clusters up to $z \approx 1$ . Monthly Notices of the Royal Astronomical Society, 2022, 519, 13-25.	1.6	5
1178	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.	1.0	10
1179	Comparison of dynamical and kinematic reference frames via pulsar positions from timing, <i>Gaia</i> , and interferometric astrometry. Astronomy and Astrophysics, 2023, 670, A173.	2.1	3
1180	Quenching in cosmic sheets: tracing the impact of large-scale structure collapse on the evolution of dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2692-2708.	1.6	8
1181	ASTROMER: A transformer-based embedding for the representation of light curves. Astronomy and Astrophysics, 0, , .	2.1	4
1182	Colour gradients of low-redshift galaxies in the DESI Legacy Imaging Survey. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3999-4023.	1.6	2
1183	Satellite Constellation Avoidance with the Rubin Observatory Legacy Survey of Space and Time. Astrophysical Journal Letters, 2022, 941, L15.	3.0	8
1184	Constraints on Cosmological Parameters with a Sample of Type Ia Supernovae from JWST. Astrophysical Journal, 2022, 941, 71.	1.6	4
1185	Low-energy Electron-track Imaging for a Liquid Argon Time-projection-chamber Telescope Concept Using Probabilistic Deep Learning. Astrophysical Journal, 2023, 942, 77.	1.6	0
1186	Designing an Optimal LSST Deep Drilling Program for Cosmology with Type Ia Supernovae. Astrophysical Journal, Supplement Series, 2023, 264, 22.	3.0	2
1187	Double-sided silicon vias (DSSVs) interconnection for large-sized interposer fabrication. Microelectronics International, 2023, ahead-of-print, .	0.4	0
1188	Cosmic-CoNN: A Cosmic-Ray Detection Deep-learning Framework, Data Set, and Toolkit. Astrophysical Journal, 2023, 942, 73.	1.6	0
1189	Constraining cosmic inflation with observations: Prospects for 2030. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2405-2416.	1.6	2
1190	Signature of Massive Neutrinos from the Clustering of Critical Points. I. Density-threshold-based Analysis in Configuration Space. Astrophysical Journal, Supplement Series, 2023, 264, 26.	3.0	0
1191	A deep learning based astronomical target detection framework for multi-colour photometry sky survey projects. Astronomy and Computing, 2023, 42, 100687.	0.8	5
1192	Classifying Astronomical Transients Using Only Host Galaxy Photometry. Astrophysical Journal, 2023, 942, 29.	1.6	4
1193	Application of dimensionality reduction and clustering algorithms for the classification of kinematic morphologies of galaxies. Astronomy and Astrophysics, 0, , .	2.1	1

#	ARTICLE	IF	CITATIONS
1194	Pegasus IV: Discovery and Spectroscopic Confirmation of an Ultra-faint Dwarf Galaxy in the Constellation Pegasus. <i>Astrophysical Journal</i> , 2023, 942, 111.	1.6	19
1195	Fast and accurate predictions of the non-linear matter power spectrum for general models of Dark Energy and Modified Gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 4780-4800.	1.6	4
1196	KiDS-Legacy calibration: Unifying shear and redshift calibration with the SKILLS multi-band image simulations. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	6
1197	Combining cosmic shear data with correlated photo-z uncertainties: constraints from DESY1 and HSC-DR1. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 025.	1.9	3
1198	unTimely: a Full-sky, Time-domain unWISE Catalog. <i>Astronomical Journal</i> , 2023, 165, 36.	1.9	8
1199	Forecasting the Detection Capabilities of Third-generation Gravitational-wave Detectors Using GWFAST. <i>Astrophysical Journal</i> , 2022, 941, 208.	1.6	33
1200	Resolution tests for $\Lambda$ CDM : A comparison of three cosmological codes. <i>Astronomische Nachrichten</i> , 0, , .	0.6	0
1201	SICRET: Supernova Ia cosmology with truncated marginal neural Ratio Estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	6
1202	Polarized primordial gravitational waves in spatial covariant gravities. <i>Physical Review D</i> , 2023, 107, .	1.6	9
1203	Interacting dark energy from the joint analysis of the power spectrum and bispectrum multipoles with the EFTofLSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2611-2632.	1.6	6
1204	Joint analysis of Dark Energy Survey Year 3 data and CMB lensing from SPT and <i>Planck</i> . III. Combined cosmological constraints. <i>Physical Review D</i> , 2023, 107, .	1.6	20
1205	The simulated catalogue of optical transients and correlated hosts (SCOTCH). <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2887-2912.	1.6	4
1206	galstreams: A library of Milky Way stellar stream footprints and tracks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 5225-5258.	1.6	28
1207	The PAU Survey and Euclid: Improving broadband photometric redshifts with multi-task learning. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0
1208	SALT2 versus SALT3: updated model surfaces and their impacts on type Ia supernova cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 5209-5224.	1.6	4
1209	TDCOSMO. <i>Astronomy and Astrophysics</i> , 2023, 672, A2.	2.1	7
1210	Sky subtraction in an era of low surface brightness astronomy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2484-2516.	1.6	5
1211	Searching for Conformity Across Cosmic Time with Local Group and Local Volume Star Formation Histories. <i>Astrophysical Journal</i> , 2023, 943, 30.	1.6	0



#	ARTICLE	IF	CITATIONS
1212	When Spectral Modeling Meets Convolutional Networks: A Method for Discovering Reionization-era Lensed Quasars in Multiband Imaging Data. <i>Astrophysical Journal</i> , 2023, 943, 150.	1.6	1
1213	The Observable Properties of Galaxy Accretion Events in Milky Way-like Galaxies in the FIRE-2 Cosmological Simulations. <i>Astrophysical Journal</i> , 2023, 943, 158.	1.6	8
1214	The cosmic web of X-ray active galactic nuclei seen through the eROSITA Final Equatorial Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2023, 673, A122.	2.1	4
1215	Zwicky Transient Facility and Globular Clusters: The Period-Luminosity and Period-Wesenheit Relations for SX Phoenixis Variables in the gri Band. <i>Astronomical Journal</i> , 2023, 165, 190.	1.9	2
1216	MaNGA galaxy properties II. A detailed comparison of observed and simulated spiral galaxy scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 1208-1227.	1.6	2
1217	Shape-driven selection effects for aspherical near-Earth objects in systematic surveys. <i>Icarus</i> , 2023, 396, 115501.	1.1	1
1218	The minjPAS survey quasar selection II. Machine learning classification with photometric measurements and uncertainties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 3494-3509.	1.6	4
1219	DeepZipper. II. Searching for Lensed Supernovae in Dark Energy Survey Data with Deep Learning. <i>Astrophysical Journal</i> , 2023, 943, 19.	1.6	1
1220	Revealing the Progenitor of SN 2021zby through Analysis of the TESS Shock-cooling Light Curve. <i>Astrophysical Journal Letters</i> , 2023, 943, L15.	3.0	1
1221	A Multilevel Scheduling Framework for Distributed Time-domain Large-area Sky Survey Telescope Array. <i>Astronomical Journal</i> , 2023, 165, 77.	1.9	1
1222	Universality in the random walk structure function of luminous quasi-stellar objects. <i>Nature Astronomy</i> , 2023, 7, 473-480.	4.2	2
1223	Testing gravity with gravitational waves – electromagnetic probes cross-correlations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 010.	1.9	5
1224	Consistency tests of structure formation simulations of scalar field dark matter. <i>Astronomische Nachrichten</i> , 2023, 344, .	0.6	1
1225	Modelling photometric reverberation mapping data for the next generation of big data surveys. Quasar accretion discs sizes with the LSST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 2002-2018.	1.6	10
1226	Accretion disks, quasars and cosmology: meandering towards understanding. <i>Astrophysics and Space Science</i> , 2023, 368, .	0.5	7
1227	Inferring Type II-P Supernova Progenitor Masses from Plateau Luminosities. <i>Astrophysical Journal Letters</i> , 2023, 944, L2.	3.0	1
1228	The CIDER simulations: non-linear structure formation in the constrained interacting dark energy scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 613-629.	1.6	0
1229	Breaking bad degeneracies with Love relations: Improving gravitational-wave measurements through universal relations. <i>Physical Review D</i> , 2023, 107, .	1.6	2

#	ARTICLE	IF	CITATIONS
1230	On Some Issues of Cross-Identification of Astronomical Catalogs. <i>Astronomy Reports</i> , 2022, 66, 1082-1097.	0.2	0
1231	Further evidence that galaxy age drives observed Type Ia supernova luminosity differences. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 6214-6222.	1.6	6
1232	The Solar System Notification Alert Processing System (SNAPS): Design, Architecture, and First Data Release (SNAPShot1). <i>Astronomical Journal</i> , 2023, 165, 111.	1.9	4
1233	Discovering strongly lensed quasar candidates with catalogue-based methods from DESI Legacy Surveys. <i>Astronomy and Astrophysics</i> , 2023, 672, A123.	2.1	4
1234	Weak-lensing peak statistics â€“ steepness versus height. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 6382-6400.	1.6	0
1235	Star-forming brightest cluster galaxies at $z \approx 0.4$ in KiDS. <i>Astronomy and Astrophysics</i> , 2023, 672, A139.	2.1	0
1236	Identifying anomalous radio sources in the Evolutionary Map of the Universe Pilot Survey using a complexity-based approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 1429-1447.	1.6	1
1237	A Reinforcement Learningâ€“Based Follow-up Framework. <i>Astronomical Journal</i> , 2023, 165, 118.	1.9	0
1238	Revisiting secondary CMB distortions due to kinetic Sunyaevâ€“Zelâ€™dovich effect from quasar bubbles before reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 2149-2162.	1.6	0
1239	The DESI Survey Validation: Results from Visual Inspection of the Quasar Survey Spectra. <i>Astronomical Journal</i> , 2023, 165, 124.	1.9	24
1240	Target Selection and Validation of DESI Emission Line Galaxies. <i>Astronomical Journal</i> , 2023, 165, 126.	1.9	35
1241	Modules for Experiments in Stellar Astrophysics (MESA): Time-dependent Convection, Energy Conservation, Automatic Differentiation, and Infrastructure. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 15.	3.0	90
1242	Photometric follow-up of 43 new eclipsing white dwarf plus main-sequence binaries from the ZTF survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 1880-1896.	1.6	4
1243	Using Host Galaxy Photometric Redshifts to Improve Cosmological Constraints with Type Ia Supernovae in the LSST Era. <i>Astrophysical Journal</i> , 2023, 944, 212.	1.6	2
1244	Photometric Objects Around Cosmic Webs (PAC) Delineated in a Spectroscopic Survey. IV. High-precision Constraints on the Evolution of the Stellarâ€“Halo Mass Relation at Redshift $z < 0.7$ . <i>Astrophysical Journal</i> , 2023, 944, 200.	1.6	5
1245	Planetary defense with the Double Asteroid Redirection Test (DART) mission and prospects. <i>Nature Communications</i> , 2023, 14, .	5.8	16
1246	A Distance Measurement to M33 Using Optical Photometry of Mira Variables. <i>Astronomical Journal</i> , 2023, 165, 137.	1.9	2
1247	Monotonicity of the Cores of Massive Stars. <i>Astrophysical Journal</i> , 2023, 945, 19.	1.6	3

#	ARTICLE	IF	CITATIONS
1248	Constraints on Dark Energy from the CSST Galaxy Clusters. <i>Research in Astronomy and Astrophysics</i> , 2023, 23, 045011.	0.7	1
1249	Inferencing Progenitor and Explosion Properties of Evolving Core-collapse Supernovae from Zwicky Transient Facility Light Curves. <i>Astrophysical Journal</i> , 2023, 945, 46.	1.6	5
1250	Dependence of Cosmological Constraints on Gray Photometric Zero-point Uncertainties of Supernova Surveys. <i>Astrophysical Journal</i> , 2023, 944, 188.	1.6	1
1251	Fluctuating dark energy and the luminosity distance. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 016.	1.9	2
1252	Observations of R-Process Stars in the Milky Way and Dwarf Galaxies. , 2023, , 1-64.		0
1253	Multi-messenger Approaches to Supermassive Black Hole Binary Detection and Parameter Estimation. II. Optimal Strategies for a Pulsar Timing Array. <i>Astrophysical Journal</i> , 2023, 945, 78.	1.6	2
1254	Young Stellar Objects, Accretion Disks, and Their Variability with Rubin Observatory LSST. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 27.	3.0	6
1255	Galaxy image deconvolution for weak gravitational lensing with unrolled plug-and-play ADMM. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2023, 522, L31-L35.	1.2	0
1256	Robust clustering of the local Milky Way stellar kinematic substructures with <i>GAIA</i> eDR3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 2623-2648.	1.6	2
1257	Observational Characterization of Main-belt Comet and Candidate Main-belt Comet Nuclei. <i>Planetary Science Journal</i> , 2023, 4, 43.	1.5	3
1258	Model-independent determination of $H_0$ and $\Omega_K$ using time-delay galaxy lenses and gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 4963-4975.	1.6	3
1259	Discordances in Cosmology and the Violation of Slow-Roll Inflationary Dynamics. <i>Physical Review Letters</i> , 2023, 130, .	2.9	7
1260	Simultaneous Millimeter-wave, Gamma-Ray, and Optical Monitoring of the Blazar PKS 2326-502 during a Flaring State. <i>Astrophysical Journal Letters</i> , 2023, 945, L23.	3.0	1
1261	Precursors of Supernovae from Mass Eruption: Prospects for Early Warning of Nearby Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2023, 945, 104.	1.6	7
1262	A joint <i>Roman Space Telescope</i> and Rubin Observatory synthetic wide-field imaging survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 2801-2820.	1.6	5
1263	Astrophysics with the Laser Interferometer Space Antenna. <i>Living Reviews in Relativity</i> , 2023, 26, .	8.2	107
1264	Measurement of Telescope Transmission Using a Collimated Beam Projector. <i>Publications of the Astronomical Society of the Pacific</i> , 2023, 135, 035001.	1.0	0
1265	Powerful Radio Sources in the Southern Sky. I. Optical Identifications. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 32.	3.0	2

#	ARTICLE	IF	CITATIONS
1266	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. <i>Astrophysical Journal</i> , 2023, 945, 155.	1.6	10
1267	Symphony: Cosmological Zoom-in Simulation Suites over Four Decades of Host Halo Mass. <i>Astrophysical Journal</i> , 2023, 945, 159.	1.6	7
1268	Light-curve Recovery with the Vera Rubin Observatory's LSST. I. Pulsating Stars in Local Group Dwarf Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 41.	3.0	1
1269	Firefly: A Browser-based Interactive 3D Data Visualization Tool for Millions of Data Points. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 38.	3.0	0
1270	Rubin LSST Observing Strategies to Maximize Volume and Uniformity Coverage of Star-forming Regions in the Galactic Plane. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 39.	3.0	2
1271	Galaxy three-point correlation function in modified gravity. <i>Physical Review D</i> , 2023, 107, .	1.6	1
1272	Hi-COLA: fast, approximate simulations of structure formation in Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 040.	1.9	4
1273	Neutrino follow-up with the Zwicky transient facility: results from the first 24 campaigns. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 5046-5063.	1.6	5
1274	Aggregate effects of proliferating low-Earth-orbit objects and implications for astronomical data lost in the noise. <i>Nature Astronomy</i> , 2023, 7, 252-258.	4.2	6
1275	Improving Photometric Redshifts by Merging Probability Density Functions from Template-Based and Machine Learning Algorithms*. <i>Astronomy Letters</i> , 2022, 48, 665-675.	0.1	0
1276	Global $N$ -body simulations of circumbinary planet formation around Kepler-16 and -34 analogues I: Exploring the pebble accretion scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 4352-4373.	1.6	5
1277	Observable Signatures of Stellar-mass Black Holes in Active Galactic Nuclei. <i>Astrophysical Journal Letters</i> , 2023, 946, L3.	3.0	5
1278	Beyond $\Lambda$ CDM constraints from the full shape clustering measurements from BOSS and eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 5013-5025.	1.6	11
1279	Identification of tidal features in deep optical galaxy images with convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 3861-3872.	1.6	7
1280	The minjPAS survey quasar selection. III. Classification with artificial neural networks and hybridisation. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	1
1281	Astronomical image time series classification using CONVolutional attENTION (ConvEntion). <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0
1282	Analytical weak-lensing shear responses of galaxy properties and galaxy detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 4904-4926.	1.6	6
1283	Searching for Supernovae in HETDEX Data Release 3*. <i>Astrophysical Journal</i> , 2023, 946, 31.	1.6	0

#	ARTICLE	IF	CITATIONS
1284	Massive Galaxy Clusters Like El Gordo Hint at Primordial Quantum Diffusion. <i>Physical Review Letters</i> , 2023, 130, .	2.9	3
1285	Impact of Rubin Observatory Cadence Choices on Supernovae Photometric Classification. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 43.	3.0	0
1286	Probing compact dark matter objects with microlensing in gravitationally lensed quasars. <i>Astronomy and Astrophysics</i> , 2023, 673, A88.	2.1	1
1287	Shock cooling emission from explosions of red supergiants â€“ I. A numerically calibrated analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 2764-2776.	1.6	8
1288	Fringing Analysis and Simulation for the Vera C. Rubin Observatoryâ€™s Legacy Survey of Space and Time. <i>Publications of the Astronomical Society of the Pacific</i> , 2023, 135, 034503.	1.0	1
1289	Constraining the shape of dark matter haloes with globular clusters and diffuse stellar light in the E-MOSAICS simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 6368-6382.	1.6	2
1290	AT 2020wey and the class of faint and fast tidal disruption events. <i>Astronomy and Astrophysics</i> , 2023, 673, A95.	2.1	8
1291	The Undiscovered Ultradiffuse Galaxies of the Local Group. <i>Astrophysical Journal Letters</i> , 2023, 946, L37.	3.0	3
1292	The most luminous, merger-free AGNs show only marginal correlation with bar presence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 211-225.	1.6	1
1293	DeepAstroUDA: semi-supervised universal domain adaptation for cross-survey galaxy morphology classification and anomaly detection. <i>Machine Learning: Science and Technology</i> , 2023, 4, 025013.	2.4	5
1294	Constraining constant and tomographic coupled dark energy with low-redshift and high-redshift probes. <i>Physical Review D</i> , 2023, 107, .	1.6	5
1295	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 $z \approx 5$ . <i>Astronomical Journal</i> , 2023, 165, 191.	1.9	4
1296	Discovery of the lensed quasar eRASS1 J050129.5âˆ’073309 with SRG/eROSITA and <i>Gaia</i> . <i>Astronomy and Astrophysics</i> , 2023, 672, L9.	2.1	2
1297	Cosmological constraints from galaxy clusters and groups in the <i>eROSITA</i> final equatorial depth survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 1601-1642.	1.6	13
1298	A tale of two (or more) h's. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 023.	1.9	3
1299	Distances to Nearby Molecular Clouds Traced by Young Stars. <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 59.	3.0	3
1300	All Spectral Type LAMOST Spectra Library (ATLAS). <i>Astrophysical Journal, Supplement Series</i> , 2023, 265, 61.	3.0	1
1301	Constraints on modified gravity from the BOSS galaxy survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 038.	1.9	9

#	ARTICLE	IF	CITATIONS
1302	The DEHVLS survey overview and initial data release: High-quality Near-Infrared Type Ia Supernova light curves at low redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	2
1303	The Fermi Large Area Telescope. , 2023, , 1-29.		0
1304	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2023, 675, A120.	2.1	5
1305	Target-of-Opportunity Observation Detectability of Kilonovae with WFST. <i>Astrophysical Journal</i> , 2023, 947, 59.	1.6	3
1306	Spectral energy distribution profiles from AGN accretion disc in multigap set-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 2869-2884.	1.6	1
1307	<sc>grgadget</sc>: an <i>N</i>-body TreePM relativistic code for cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 5238-5253.	1.6	1
1314	Simulations of common-envelope evolution in binary stellar systems: physical models and numerical techniques. <i>Living Reviews in Solar Physics</i> , 2023, 9, .	5.0	22
1325	Data in Observational Astronomy. <i>Studies in Big Data</i> , 2023, , 13-26.	0.8	0
1384	A New Camera for Pan-STARRS. , 2023, , .		0
1507	Observations of R-Process Stars in the Milky Way and Dwarf Galaxies. , 2023, , 3941-4004.		0
1522	Emulating Hydrodynamics from Dark Matter 3D Density Fields. , 2023, , .		0
1524	Lazy Python Dependency Management in Large-Scale Systems. , 2023, , .		0
1525	Using Fourier Coefficients and Wasserstein Distances to Estimate Entropy in Time Series. , 2023, , .		0
1526	Scalable Infrastructure for Galaxy Image Analysis: I. Measuring Position Angles with Radon Transforms. , 2023, , .		0
1543	Space Applications of CdZnTe and CdTe Detector Systems: Past, Present and Future. , 2024, , 179-224.		0
1546	Time Domain Astromatics. Thirty Years of Astronomical Discovery With UKIRT, 2023, , 91-97.	0.3	0
1554	Changing-look active galactic nuclei. <i>Nature Astronomy</i> , 2023, 7, 1282-1294.	4.2	9
1581	Mirage: Towards Low-interruption Services on Batch GPU Clusters with Reinforcement Learning. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
1678	Seasonal-Trend Time Series Decomposition on Graphics Processing Units. , 2023, , .		0
1682	PanDA: Production and Distributed Analysis System. Computing and Software for Big Science, 2024, 8, .	1.3	0
1729	The Fermi Large Area Telescope. , 2024, , 2415-2443.		0
1731	Accreting White Dwarfs. , 2024, , 3775-3819.		0
1737	Transformers as strong lens detectors - From simulation to surveys. AIP Conference Proceedings, 2024, , .	0.3	0