Ue-Li Pen

List of Publications by Year
in descending order

272	23,471	9254 74	8384 147
papers	citations	h-index	g-index

274	274	274	8389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	3.0	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	3.0	618
6	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	3.0	568
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	3.0	519
8	A bright millisecond-duration radio burst from a Galactic magnetar. Nature, 2020, 587, 54-58.	13.7	418
9	The Santa Barbara Cluster Comparison Project: A Comparison of Cosmological Hydrodynamics Solutions. Astrophysical Journal, 1999, 525, 554-582.	1.6	399
10	Science with ASKAP. Experimental Astronomy, 2008, 22, 151-273.	1.6	332
11	Extended Mosaic Observations with the Cosmic Background Imager. Astrophysical Journal, 2004, 609, 498-512.	1.6	305
12	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. Astrophysical Journal Letters, 2019, 885, L24.	3.0	302
13	Simulating cosmic reionization at large scales - I. The geometry of reionization. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1625-1638.	1.6	300
14	Dense magnetized plasma associated with a fast radio burst. Nature, 2015, 528, 523-525.	13.7	297
15	A repeating fast radio burst source localized to a nearby spiral galaxy. Nature, 2020, 577, 190-194.	13.7	297
16	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	3.0	297
17	An intensity map of hydrogen 21-cm emission at redshift zâ€‰â‰ˆâ€‰0.8. Nature, 2010, 466, 463-465.	13.7	287
18	Baryon Acoustic Oscillation Intensity Mapping of Dark Energy. Physical Review Letters, 2008, 100, 091303.	2.9	281

#	Article	IF	Citations
19	A second source of repeating fast radio bursts. Nature, 2019, 566, 235-238.	13.7	265
20	The Anisotropy of the Microwave Background tol= 3500: Deep Field Observations with the Cosmic Background Imager. Astrophysical Journal, 2003, 591, 540-555.	1.6	262
21	MEASUREMENT OF 21 cm BRIGHTNESS FLUCTUATIONS AT z â¼ 0.8 IN CROSS-CORRELATION. Astrophysical Journal Letters, 2013, 763, L20.	3.0	257
22	The Anisotropy of the Microwave Background tol= 3500: Mosaic Observations with the Cosmic Background Imager. Astrophysical Journal, 2003, 591, 556-574.	1.6	253
23	A simulation-calibrated limit on the Hâ€‰i power spectrum from the GMRT Epoch of Reionization experiment. Monthly Notices of the Royal Astronomical Society, 2013, 433, 639-647.	1.6	247
24	Spinâ€induced Galaxy Alignments and Their Implications for Weakâ€Lensing Measurements. Astrophysical Journal, 2001, 559, 552-571.	1.6	234
25	Science with the Australian Square Kilometre Array Pathfinder. Publications of the Astronomical Society of Australia, 2007, 24, 174-188.	1.3	231
26	Periodic activity from a fast radio burst source. Nature, 2020, 582, 351-355.	13.7	231
27	The CHIME Fast Radio Burst Project: System Overview. Astrophysical Journal, 2018, 863, 48.	1.6	215
28	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	3.0	215
29	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	3.0	215
30	Determination of zÂâ¼ 0.8 neutral hydrogen fluctuations using the 21â€‰cm intensity mapping autocorrelation. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 434, L46-L50.	1.2	207
31	The First CHIME/FRB Fast Radio Burst Catalog. Astrophysical Journal, Supplement Series, 2021, 257, 59.	3.0	199
32	Power Spectra in Global Defect Theories of Cosmic Structure Formation. Physical Review Letters, 1997, 79, 1611-1614.	2.9	197
33	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	2.9	190
34	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	3.0	187
35	Discriminating Weak Lensing from Intrinsic Spin Correlations Using the Curlâ€Gradient Decomposition. Astrophysical Journal, 2002, 568, 20-27.	1.6	180
36	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. Astrophysical Journal Letters, 2020, 891, L6.	3.0	178

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37	Simulating cosmic reionization at large scales - II. The 21-cm emission features and statistical signals. Monthly Notices of the Royal Astronomical Society, 2006, 372, 679-692.	1.6	176
38	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	3.0	175
39	Observations of fast radio bursts at frequencies down to 400Âmegahertz. Nature, 2019, 566, 230-234.	13.7	168
40	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	3.0	163
41	Cosmic Shear from Galaxy Spins. Astrophysical Journal, 2000, 532, L5-L8.	1.6	162
42	Self-regulated reionization. Monthly Notices of the Royal Astronomical Society, 2007, 376, 534-548.	1.6	161
43	Cosmological Parameters from Cosmic Background Imager Observations and Comparisons with BOOMERANG, DASI, and MAXIMA. Astrophysical Journal, 2003, 591, 599-622.	1.6	160
44	Simulating cosmic reionization: how large a volume is large enough?. Monthly Notices of the Royal Astronomical Society, 2014, 439, 725-743.	1.6	154
45	The GMRT Epoch of Reionization experiment: a new upper limit on the neutral hydrogen power spectrum at zâ‰ˆ 8.6. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1174-1183.	1.6	147
46	Canadian Hydrogen Intensity Mapping Experiment (CHIME) pathfinder. Proceedings of SPIE, 2014, , .	0.8	145
47	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	3.0	142
48	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	3.0	137
49	ALL-SKY INTERFEROMETRY WITH SPHERICAL HARMONIC TRANSIT TELESCOPES. Astrophysical Journal, 2014, 781, 57.	1.6	136
50	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	1.6	126
51	High-performance P3M N-body code: CUBEP3M. Monthly Notices of the Royal Astronomical Society, 2013, 436, 540-559.	1.6	123
52	Likelihood analysis of cosmic shear on simulated and VIRMOS-DESCART data. Astronomy and Astrophysics, 2002, 393, 369-379.	2.1	119
53	Cosmic structure formation and microwave anisotropies from global field ordering. Physical Review D, 1994, 49, 692-729.	1.6	117
54	Cosmology in a String-Dominated Universe. Astrophysical Journal, 1997, 491, L67-L71.	1.6	115

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55	Galaxy Spin Statistics and Spinâ€Density Correlation. Astrophysical Journal, 2001, 555, 106-124.	1.6	114
56	Coaxing cosmic 21Âcm fluctuations from the polarized sky using<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:math>-mode analysis. Physical Review D, 2015, 91, .	1.6	112
57	Low-amplitude clustering in low-redshift 21-cm intensity maps cross-correlated with 2dF galaxy densities. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3382-3392.	1.6	112
58	A repeating fast radio burst source in a globular cluster. Nature, 2022, 602, 585-589.	13.7	110
59	THE INHOMOGENEOUS BACKGROUND OF H₂-DISSOCIATING RADIATION DURING COSMIC REIONIZATION. Astrophysical Journal, 2009, 695, 1430-1445.	1.6	109
60	Tentative Detection of Galaxy Spin Correlations in the Tully Catalog. Astrophysical Journal, 2000, 543, L107-L110.	1.6	103
61	Power spectrum of the Sunyaev-Zelâ€™dovich effect. Physical Review D, 2000, 61, .	1.6	99
62	Reconstructing Nonlinear Stochastic Bias from Velocity Space Distortions. Astrophysical Journal, 1998, 504, 601-606.	1.6	98
63	LOCAL CIRCUMNUCLEAR MAGNETAR SOLUTION TO EXTRAGALACTIC FAST RADIO BURSTS. Astrophysical Journal, 2015, 807, 179.	1.6	98
64	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. Astrophysical Journal Letters, 2019, 882, L18.	3.0	98
65	Large-scale BAO signatures of the smallest galaxies. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 007-007.	1.9	97
66	Measuring the universal deceleration using angular diameter distances to clusters of galaxies. New Astronomy, 1997, 2, 309-317.	0.8	94
67	Polarization of the Microwave Background in Defect Models. Physical Review Letters, 1997, 79, 1615-1618.	2.9	90
68	Normalizing the Temperature Function of Clusters of Galaxies. Astrophysical Journal, 1998, 498, 60-66.	1.6	88
69	On the non-Poissonian repetition pattern of FRB121102. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5109-5115.	1.6	87
70	FRB repetition and non-Poissonian statistics. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 458, L89-L93.	1.2	82
71	Analytical Fit to the Luminosity Distance for Flat Cosmologies with a Cosmological Constant. Astrophysical Journal, Supplement Series, 1999, 120, 49-50.	3.0	81
72	Can 21-cm observations discriminate between high-mass and low-mass galaxies as reionization sources?. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2222-2253.	1.6	80

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73	Detection of Dark Matter Skewness in the VIRMOSâ€ÐESCART Survey: Implications for Î©0. Astrophysical Journal, 2003, 592, 664-673.	1.6	79
74	Non-cosmological FRBs from young supernova remnant pulsars. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	0.7	78
75	A Fast Gridded Method for the Estimation of the Power Spectrum of the Cosmic Microwave Background from Interferometer Data with Application to the Cosmic Background Imager. Astrophysical Journal, 2003, 591, 575-598.	1.6	76
76	A real-time software backend for the GMRT. Experimental Astronomy, 2010, 28, 25-60.	1.6	74
77	Heating of the Intergalactic Medium. Astrophysical Journal, 1999, 510, L1-L5.	1.6	73
78	The effect of the intergalactic environment on the observability of LyÎ± emitters during reionization. Monthly Notices of the Royal Astronomical Society, 2008, 391, 63-83.	1.6	73
79	The GMRT EoR experiment: limits on polarized sky brightness at 150 MHz. Monthly Notices of the Royal Astronomical Society, 2009, 399, 181-194.	1.6	71
80	The Fate of Nonradiative Magnetized Accretion Flows: Magnetically Frustrated Convection. Astrophysical Journal, 2003, 596, L207-L210.	1.6	70
81	Towards optimal parallel PM N-body codes: PMFAST. New Astronomy, 2005, 10, 393-407.	0.8	67
82	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	3.0	67
83	Pulsar emission amplified and resolved by plasma lensing in an eclipsing binary. Nature, 2018, 557, 522-525.	13.7	66
84	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	4.2	65
85	INTERPRETING THE UNRESOLVED INTENSITY OF COSMOLOGICALLY REDSHIFTED LINE RADIATION. Astrophysical Journal, 2015, 815, 51.	1.6	64
86	Pulsar scintillations from corrugated reconnection sheets in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3338-3346.	1.6	62
87	A Highâ€Resolution Adaptive Moving Mesh Hydrodynamic Algorithm. Astrophysical Journal, Supplement Series, 1998, 115, 19-34.	3.0	61
88	The Kinetic Sunyaevâ€Zelâ€™dovich Effect from Radiative Transfer Simulations of Patchy Reionization. Astrophysical Journal, 2007, 660, 933-944.	1.6	61
89	The Sunyaevâ€Zel'dovich Effect in CMBâ€calibrated Theories Applied to the Cosmic Background Imager Anisotropy Power atl› 2000. Astrophysical Journal, 2005, 626, 12-30.	1.6	60
90	Numerical parameter survey of non-radiative black hole accretion: flow structure and variability of the rotation measure. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1228-1239.	1.6	60

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91	Precision era of the kinetic Sunyaev-Zel'dovich effect: simulations, analytical models and observations and the power to constrain reionization. Monthly Notices of the Royal Astronomical Society, 2004, 347, 1224-1233.	1.6	59
92	Sunyaev-Zeldovich effect from hydrodynamical simulations: Maps and low order statistics. Physical Review D, 2001, 63, .	1.6	58
93	A Primer on Eulerian Computational Fluid Dynamics for Astrophysics. Publications of the Astronomical Society of the Pacific, 2003, 115, 303-321.	1.0	58
94	Primordial Gravity Wave Fossils and Their Use in Testing Inflation. Physical Review Letters, 2010, 105, 161302.	2.9	58
95	The Sunyaevâ€Zeldovich Effect: Simulations and Observations. Astrophysical Journal, 2002, 577, 555-568.	1.6	57
96	A moving frame algorithm for high Mach number hydrodynamics. New Astronomy, 2004, 9, 443-465.	0.8	56
97	Current models of the observable consequences of cosmic reionization and their detectability. Monthly Notices of the Royal Astronomical Society, 2008, 384, 863-874.	1.6	56
98	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	3.0	56
99	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	2.1	54
100	Detection of Galaxy Spin Alignments in the Point Source Catalog Redshift Survey Shear Field. Astrophysical Journal, 2002, 567, L111-L114.	1.6	53
101	Scalar, vector, and tensor contributions to CMB anisotropies from cosmic defects. Physical Review D, 1998, 58, .	1.6	52
102	Gravity and Nongravity Modes in the VIRMOSâ€DESCART Weakâ€Lensing Survey. Astrophysical Journal, 2002, 567, 31-36.	1.6	52
103	Mining weak lensing surveys. New Astronomy, 2003, 8, 581-603.	0.8	52
104	Erasing the Milky Way: new cleaning technique applied to GBT intensity mapping data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4938-4949.	1.6	52
105	Gravitational lensing of epoch-of-reionization gas. New Astronomy, 2004, 9, 417-424.	0.8	51
106	Refractive convergent plasma lenses explain extreme scattering events and pulsar scintillation. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 421, L132-L136.	1.2	51
107	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	1.6	51
108	Large Magneto-ionic Variations toward the Galactic Center Magnetar, PSR J1745-2900. Astrophysical Journal Letters, 2018, 852, L12.	3.0	50

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109	A Free, Fast, Simple, and Efficient Total Variation Diminishing Magnetohydrodynamic Code. Astrophysical Journal, Supplement Series, 2003, 149, 447-455.	3.0	47
110	First detection of cosmic structure in the 21-cm intensity field. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L6-L10.	1.2	47
111	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	1.6	47
112	Hâ€‰<scp>i</scp> constraints from the cross-correlation of eBOSS galaxies and Green Bank Telescope intensity maps. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3495-3511.	1.6	47
113	Quantifying the cosmic web - I. The large-scale halo ellipticity-ellipticity and ellipticity-direction correlations. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1266-1274.	1.6	46
114	The Euclidean distribution of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2016, 461, 984-987.	1.6	46
115	Cosmological neutrino simulations at extreme scale. Research in Astronomy and Astrophysics, 2017, 17, 085.	0.7	46
116	Deprojecting Sunyaevâ€Zeldovich Statistics. Astrophysical Journal, 2001, 549, 18-27.	1.6	45
117	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	1.6	44
118	The three-dimensional power spectrum of dark and luminous matter from the VIRMOS-DESCART cosmic shear survey. Monthly Notices of the Royal Astronomical Society, 2003, 346, 994-1008.	1.6	43
119	Calibrating CHIME: a new radio interferometer to probe dark energy. Proceedings of SPIE, 2014, , .	0.8	43
120	Precision reconstruction of the cold dark matter-neutrino relative velocity from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-body simulations. Physical Review D, 2015, 92, .	1.6	43
121	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	1.6	43
122	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	3.0	43
123	Generating Cosmological Gaussian Random Fields. Astrophysical Journal, 1997, 490, L127-L130.	1.6	42
124	Mapping Dark Matter with Cosmic Magnification. Physical Review Letters, 2005, 95, 241302.	2.9	40
125	Constraints on the FRB rate at 700â€“900ÂMHz. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1054-1058.	1.6	38
126	Sub-second periodicity in a fast radio burst. Nature, 2022, 607, 256-259.	13.7	37

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127	Signature of patchy reionization in the polarization anisotropy of the CMB. Physical Review D, 2007, 76, .	1.6	35
128	THE YUAN-TSEH LEE ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY. Astrophysical Journal, 2009, 694, 1610-1618.	1.6	35
129	Information Content in the Galaxy Angular Power Spectrum from the Sloan Digital Sky Survey and Its Implication on Weak-Lensing Analysis. Astrophysical Journal, 2008, 686, L1-L4.	1.6	34
130	Breaking the degeneracy: Optimal use of three-point weak lensing statistics. Astroparticle Physics, 2010, 32, 340-351.	1.9	34
131	Exploring the dispersion measure of the Milky Way halo. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L106-L110.	1.2	34
132	Shocks in the Early Universe. Physical Review Letters, 2016, 117, 131301.	2.9	33
133	Nonlinear reconstruction. Physical Review D, 2017, 96, .	1.6	33
134	Predicting pulsar scintillation from refractive plasma sheets. Monthly Notices of the Royal Astronomical Society, 2018, 478, 983-994.	1.6	33
135	50 picoarcsec astrometry of pulsar emission. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 440, L36-L40.	1.2	32
136	Precision measurement of cosmic magnification from 21-cm emitting galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 367, 169-178.	1.6	31
137	The temperature of the intergalactic medium and the Comptonyparameter. Monthly Notices of the Royal Astronomical Society, 2004, 355, 451-460.	1.6	30
138	Projected constraints on modified gravity cosmologies from 21Âcm intensity mapping. Physical Review D, 2010, 81, .	1.6	30
139	Method for Direct Measurement of Cosmic Acceleration by 21-cm Absorption Systems. Physical Review Letters, 2014, 113, 041303.	2.9	30
140	Near-term measurements with 21Âcm intensity mapping: Neutral hydrogen fraction and BAO at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>z</mml:mi><mml:mo><</mml:mo><mml:mn>2</mml:mn></mml:math>. Physical Review D, 2010, 81, .	1.6	29
141	Pulsar timing arrays as imaging gravitational wave telescopes: Angular resolution and source (de)confusion. Physical Review D, 2012, 86, .	1.6	29
142	Beating lensing cosmic variance with galaxy tomography. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1445-1448.	1.6	28
143	Halo stochasticity in global clustering analysis. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1610-1618.	1.6	28
144	The Tianlai Cylinder Pathfinder array: System functions and basic performance analysis. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	28

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145	Pulsar lensing geometry. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1289-1299.	1.6	27
146	Isobaric Reconstruction of the Baryonic Acoustic Oscillation. Astrophysical Journal Letters, 2017, 841, L29.	3.0	27
147	Cosmology with gravitationally lensed repeating fast radio bursts. Astronomy and Astrophysics, 2021, 645, A44.	2.1	27
148	A Linear Moving Adaptive Particle-Mesh N-Body Algorithm. Astrophysical Journal, Supplement Series, 1995, 100, 269.	3.0	27
149	Cosmic tidal reconstruction. Physical Review D, 2016, 93, .	1.6	26
150	Limits on the Ultra-bright Fast Radio Burst Population from the CHIME Pathfinder. Astrophysical Journal, 2017, 844, 161.	1.6	26
151	Detection of 15 bursts from the fast radio burstÂ180916.J0158+65 with the upgraded Giant Metrewave Radio Telescope. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L16-L20.	1.2	26
152	An observed correlation between galaxy spins and initial conditions. Nature Astronomy, 2021, 5, 283-288.	4.2	26
153	The Distance to Clusters: Correcting for Asphericity. Astrophysical Journal, 2002, 574, 38-50.	1.6	25
154	Fast n-point correlation functions and three-point lensing application. New Astronomy, 2005, 10, 569-590.	0.8	25
155	FISH: A THREE-DIMENSIONAL PARALLEL MAGNETOHYDRODYNAMICS CODE FOR ASTROPHYSICAL APPLICATIONS. Astrophysical Journal, Supplement Series, 2011, 195, 20.	3.0	25
156	Differential neutrino condensation onto cosmic structure. Nature Astronomy, 2017, 1, .	4.2	25
157	Mode Changing and Giant Pulses in the Millisecond Pulsar PSR B1957+20. Astrophysical Journal Letters, 2018, 867, L2.	3.0	25
158	Strong-field effects of the one-dimensional hydrogen atom in momentum space. Physical Review A, 1992, 46, 4297-4305.	1.0	24
159	Optimal Weakâ€Lensing Skewness Measurements. Astrophysical Journal, 2003, 598, 818-826.	1.6	24
160	Comparison between the Blue and Red Galaxy Alignments Detected in the Sloan Digital Sky Survey. Astrophysical Journal, 2007, 670, L1-L4.	1.6	24
161	Non-Gaussian errors of baryonic acoustic oscillations. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2949-2960.	1.6	24
162	Constrainingq0with Cluster Gas Mass Fractions: A Feasibility Study. Astrophysical Journal, 1999, 517, 70-77.	1.6	23

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163	INCREASING THE FISHER INFORMATION CONTENT IN THE MATTER POWER SPECTRUM BY NONLINEAR WAVELET WIENER FILTERING. Astrophysical Journal, 2011, 728, 35.	1.6	23
164	Constraining magnetic fields through plasma lensing: application to the Black Widow pulsar. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5723-5733.	1.6	23
165	Probing Primordial Chirality with Galaxy Spins. Physical Review Letters, 2020, 124, 101302.	2.9	23
166	Wave effects in the microlensing of pulsars and FRBs by point masses. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4956-4969.	1.6	23
167	The Nonlinear Evolution of Galaxy Intrinsic Alignments. Astrophysical Journal, 2008, 681, 798-805.	1.6	22
168	Dark energy from large-scale structure lensing information. Physical Review D, 2010, 81, .	1.6	22
169	Descattering of Giant Pulses in PSR B1957+20. Astrophysical Journal Letters, 2017, 840, L15.	3.0	22
170	Simulating the cold dark matter-neutrino dipole with TianNu. Physical Review D, 2017, 95, .	1.6	22
171	Halo Nonlinear Reconstruction. Astrophysical Journal, 2017, 847, 110.	1.6	22
172	The nature of fast radio bursts. Nature Astronomy, 2018, 2, 842-844.	4.2	22
173	Application of wavelets to filtering of noisy data. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 2561-2571.	1.6	21
174	Measurement of Neutrino Masses from Relative Velocities. Physical Review Letters, 2014, 113, 131301.	2.9	21
175	Two- and Three-Dimensional Probes of Parity in Primordial Gravity Waves. Physical Review Letters, 2017, 118, 221301.	2.9	21
176	Recovering lost 21Âcm radial modes via cosmic tidal reconstruction. Physical Review D, 2018, 98, .	1.6	21
177	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	3.0	21
178	Generalized Friedmann-Robertson-Walker metric and redundancy in the generalized Einstein equations. Physical Review D, 1991, 44, 3974-3977.	1.6	20
179	kSZ from patchy reionization: The view from the simulations. New Astronomy Reviews, 2006, 50, 909-917.	5.2	20
180	Non-Gaussian error bars in galaxy surveys - I. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2288-2307.	1.6	20

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181	REIONIZATION ON LARGE SCALES. II. DETECTING PATCHY REIONIZATION THROUGH CROSS-CORRELATION OF THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal, 2013, 776, 82.	1.6	20
182	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	3.0	20
183	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	3.0	20
184	Fast power spectrum estimation. Monthly Notices of the Royal Astronomical Society, 2003, 346, 619-626.	1.6	19
185	Precision of diffuse 21-cm lensing. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1819-1830.	1.6	19
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