

Ue-Li Pen

List of Publications by Year in descending order

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Version: 2024-02-01

272
papers

23,471
citations

9254

74
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8384

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274
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274
docs citations

274
times ranked

8389
citing authors

#	ARTICLE	IF	CITATIONS
1	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	1.6	6
2	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. <i>Astronomical Journal</i> , 2022, 163, 65.	1.9	12
3	Interstellar interferometry: precise curvature measurement from pulsar secondary spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4573-4581.	1.6	13
4	A repeating fast radio burst source in a globular cluster. <i>Nature</i> , 2022, 602, 585-589.	13.7	110
5	Correlating galaxy shapes and initial conditions: An observational study. <i>Physical Review D</i> , 2022, 105, .	1.6	3
6	H–constraints from the cross-correlation of eBOSS galaxies and Green Bank Telescope intensity maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3495-3511.	1.6	47
7	Observational search for primordial chirality violations using galaxy angular momenta. <i>Physical Review D</i> , 2022, 105, .	1.6	8
8	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	3.0	163
9	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	3.0	20
10	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215
11	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	3.0	142
12	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	3.0	137
13	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	3.0	568
14	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	3.0	21
15	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	3.0	43
16	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.	3.0	20
17	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.	3.0	187
18	Cosmic Tidal Reconstruction with Halo Fields. <i>Astrophysical Journal</i> , 2022, 929, 5.	1.6	1

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19	Measuring lens dimensionality in extreme scattering events through wave optics. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4069-4077.	1.6	1
20	Sub-second periodicity in a fast radio burst. Nature, 2022, 607, 256-259.	13.7	37
21	An observed correlation between galaxy spins and initial conditions. Nature Astronomy, 2021, 5, 283-288.	4.2	26
22	Cosmology with gravitationally lensed repeating fast radio bursts. Astronomy and Astrophysics, 2021, 645, A44.	2.1	27
23	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	3.0	215
24	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	3.0	67
25	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	3.0	297
26	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	3.0	56
27	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	1.6	126
28	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	1.6	43
29	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	4.2	65
30	Resolving the Emission Regions of the Crab Pulsar's Giant Pulses. Astrophysical Journal, 2021, 915, 65.	1.6	13
31	Imaginary images and Stokes phenomena in the weak plasma lensing of coherent sources. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5390-5402.	1.6	6
32	Kinematics of Crab Giant Pulses. Astrophysical Journal, 2021, 920, 38.	1.6	11
33	The First CHIME/FRB Fast Radio Burst Catalog. Astrophysical Journal, Supplement Series, 2021, 257, 59.	3.0	199
34	Experiment for cryogenic large-aperture intensity mapping: instrument design. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.0	12
35	A repeating fast radio burst source localized to a nearby spiral galaxy. Nature, 2020, 577, 190-194.	13.7	297
36	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

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37	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	1.6	44
38	The Tianlai Cylinder Pathfinder array: System functions and basic performance analysis. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	28
39	Detection of 15 bursts from the fast radio burst 180916.J0158+65 with the upgraded Giant Metrewave Radio Telescope. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 499, L16-L20.	1.2	26
40	A bright millisecond-duration radio burst from a Galactic magnetar. <i>Nature</i> , 2020, 587, 54-58.	13.7	418
41	Exploring the dispersion measure of the Milky Way halo. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 496, L106-L110.	1.2	34
42	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020, 582, 351-355.	13.7	231
43	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. <i>Astrophysical Journal Letters</i> , 2020, 891, L6.	3.0	178
44	Probing Primordial Chirality with Galaxy Spins. <i>Physical Review Letters</i> , 2020, 124, 101302.	2.9	23
45	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	1.6	47
46	The Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). <i>Journal of Low Temperature Physics</i> , 2020, 199, 1027-1037.	0.6	17
47	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
48	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5.	2.1	18
49	Wave effects in the microlensing of pulsars and FRBs by point masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4956-4969.	1.6	23
50	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
51	Overview and status of EXCLAIM, the experiment for cryogenic large-aperture intensity mapping. , 2020, , .		4
52	Optical Design of the Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). , 2020, , .		3
53	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
54	Disentangling interstellar plasma screens with pulsar VLBI: combining auto- and cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4963-4971.	1.6	13

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55	A comparison of interferometric and single-dish methods to measure distances to pulsar scattering screens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4952-4962.	1.6	5
56	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019, 885, L24.	3.0	302
57	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 882, L18.	3.0	98
58	Parity-odd neutrino torque detection. <i>Physical Review D</i> , 2019, 99, .	1.6	17
59	Initial conditions of the Universe: A sign of the sine mode. <i>Physical Review D</i> , 2019, 99, .	1.6	3
60	Cross-correlation of the kinematic Sunyaev-Zel'dovich effect and 21Åcm intensity mapping with tidal reconstruction. <i>Physical Review D</i> , 2019, 100, .	1.6	11
61	Dipole distortions in the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4181-4189.	1.6	1
62	Constraining magnetic fields through plasma lensing: application to the Black Widow pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5723-5733.	1.6	23
63	An Eigenvector-Based Method of Radio Array Calibration and Its Application to the Tianlai Cylinder Pathfinder. <i>Astronomical Journal</i> , 2019, 157, 34.	1.9	6
64	Understanding the Reconstruction of the Biased Tracer. <i>Astrophysical Journal</i> , 2019, 870, 116.	1.6	10
65	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
66	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
67	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
68	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
69	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
70	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
71	A second source of repeating fast radio bursts. <i>Nature</i> , 2019, 566, 235-238.	13.7	265
72	Observations of fast radio bursts at frequencies down to 400Åmegahertz. <i>Nature</i> , 2019, 566, 230-234.	13.7	168

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73	Large Magneto-ionic Variations toward the Galactic Center Magnetar, PSR J1745-2900. <i>Astrophysical Journal Letters</i> , 2018, 852, L12.	3.0	50
74	Nonlinear reconstruction of redshift space distortions. <i>Physical Review D</i> , 2018, 97, .	1.6	14
75	A Post-correlation Beamformer for Time-domain Studies of Pulsars and Transients. <i>Astrophysical Journal</i> , 2018, 864, 160.	1.6	3
76	Predicting pulsar scintillation from refractive plasma sheets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 983-994.	1.6	33
77	Mode Changing and Giant Pulses in the Millisecond Pulsar PSR B1957+20. <i>Astrophysical Journal Letters</i> , 2018, 867, L2.	3.0	25
78	The nature of fast radio bursts. <i>Nature Astronomy</i> , 2018, 2, 842-844.	4.2	22
79	Improved pulsar timing via principal component mode tracking. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1323-1330.	1.6	3
80	Pulsar emission amplified and resolved by plasma lensing in an eclipsing binary. <i>Nature</i> , 2018, 557, 522-525.	13.7	66
81	Low-amplitude clustering in low-redshift 21-cm intensity maps cross-correlated with 2dF galaxy densities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3382-3392.	1.6	112
82	CUBE: An Information-optimized Parallel Cosmological N-body Algorithm. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 24.	3.0	18
83	The CHIME Fast Radio Burst Project: System Overview. <i>Astrophysical Journal</i> , 2018, 863, 48.	1.6	215
84	Recovering lost 21-cm radial modes via cosmic tidal reconstruction. <i>Physical Review D</i> , 2018, 98, .	1.6	21
85	On the non-Poissonian repetition pattern of FRB121102. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5109-5115.	1.6	87
86	Progress in the construction and testing of the Tianlai radio interferometers. , 2018, , .		6
87	Descattering of Giant Pulses in PSR B1957+20. <i>Astrophysical Journal Letters</i> , 2017, 840, L15.	3.0	22
88	Differential neutrino condensation onto cosmic structure. <i>Nature Astronomy</i> , 2017, 1, .	4.2	25
89	Erasing the Milky Way: new cleaning technique applied to GBT intensity mapping data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4938-4949.	1.6	52
90	Gravitational rotation of polarization: Clarifying the gauge dependence and prediction for a double pulsar. <i>Physical Review D</i> , 2017, 95, .	1.6	2

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91	Limits on the Ultra-bright Fast Radio Burst Population from the CHIME Pathfinder. <i>Astrophysical Journal</i> , 2017, 844, 161.	1.6	26
92	Nonlinear E -mode clustering in Lagrangian space. <i>Physical Review D</i> , 2017, 95, .	1.6	9
93	Cosmic neutrinos: A dispersive and nonlinear fluid. <i>Physical Review D</i> , 2017, 95, .	1.6	17
94	Simulating the cold dark matter-neutrino dipole with TianNu. <i>Physical Review D</i> , 2017, 95, .	1.6	22
95	Two- and Three-Dimensional Probes of Parity in Primordial Gravity Waves. <i>Physical Review Letters</i> , 2017, 118, 221301.	2.9	21
96	Cosmological neutrino simulations at extreme scale. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 085.	0.7	46
97	Testing gravity with pulsar scintillation measurements. <i>Physical Review D</i> , 2017, 95, .	1.6	4
98	Nonlinear reconstruction. <i>Physical Review D</i> , 2017, 96, .	1.6	33
99	An efficient method for removing point sources from full-sky radio interferometric maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4928-4934.	1.6	2
100	Blind search for 21-cm absorption systems using a new generation of Chinese radio telescopes. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 049.	0.7	10
101	Halo Nonlinear Reconstruction. <i>Astrophysical Journal</i> , 2017, 847, 110.	1.6	22
102	A self-consistency check for unitary propagation of Hawking quanta. <i>International Journal of Modern Physics A</i> , 2017, 32, 1750198.	0.5	2
103	Isobaric Reconstruction of the Baryonic Acoustic Oscillation. <i>Astrophysical Journal Letters</i> , 2017, 841, L29.	3.0	27
104	Increasing Fisher information by Potential Isobaric Reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1968-1973.	1.6	15
105	ACCURATE POLARIZATION CALIBRATION AT 800 MHz WITH THE GREEN BANK TELESCOPE. <i>Astrophysical Journal</i> , 2016, 833, 289.	1.6	11
106	Shocks in the Early Universe. <i>Physical Review Letters</i> , 2016, 117, 131301.	2.9	33
107	Pulsar acceleration shifts from nearby supernova explosion. <i>Physical Review D</i> , 2016, 93, .	1.6	0
108	Cosmic tidal reconstruction. <i>Physical Review D</i> , 2016, 93, .	1.6	26

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109	Probing Neutrino Hierarchy and Chirality via Wakes. <i>Physical Review Letters</i> , 2016, 116, 141301.	2.9	13
110	The Euclidean distribution of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 984-987.	1.6	46
111	Holographic beam mapping of the CHIME pathfinder array. <i>Proceedings of SPIE</i> , 2016, , .	0.8	16
112	Pulsar lensing geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1289-1299.	1.6	27
113	Constraints on the FRB rate at 700â€“900ÂMHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 1054-1058.	1.6	38
114	FRB repetition and non-Poissonian statistics. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 458, L89-L93.	1.2	82
115	Coaxing cosmic 21cm fluctuations from the polarized sky using m -mode analysis. <i>Physical Review D</i> , 2015, 91, .	1.6	112
116	Precision reconstruction of the cold dark matter-neutrino relative velocity from N -body simulations. <i>Physical Review D</i> , 2015, 92, .	1.6	43
117	INTERPRETING THE UNRESOLVED INTENSITY OF COSMOLOGICALLY REDSHIFTED LINE RADIATION. <i>Astrophysical Journal</i> , 2015, 815, 51.	1.6	64
118	Strong lensing interferometry for compact binaries. <i>Physical Review D</i> , 2015, 91, .	1.6	3
119	An efficient real-time data pipeline for the CHIME Pathfinder radio telescope X-engine. , 2015, , .		8
120	LOCAL CIRCUMNUCLEAR MAGNETAR SOLUTION TO EXTRAGALACTIC FAST RADIO BURSTS. <i>Astrophysical Journal</i> , 2015, 807, 179.	1.6	98
121	Dense magnetized plasma associated with a fast radio burst. <i>Nature</i> , 2015, 528, 523-525.	13.7	297
122	Canadian Hydrogen Intensity Mapping Experiment (CHIME) pathfinder. <i>Proceedings of SPIE</i> , 2014, , .	0.8	145
123	Calibrating CHIME: a new radio interferometer to probe dark energy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	43
124	Observational consequences of dark energy decay. <i>Physical Review D</i> , 2014, 89, .	1.6	8
125	Analysing transit telescopes with the m -mode formalism. , 2014, , .		0
126	Possible astrophysical observables of quantum gravity effects near black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3370-3373.	1.6	16

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127	ALL-SKY INTERFEROMETRY WITH SPHERICAL HARMONIC TRANSIT TELESCOPES. <i>Astrophysical Journal</i> , 2014, 781, 57.	1.6	136
128	Pulsar scintillations from corrugated reconnection sheets in the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3338-3346.	1.6	62
129	Simulating cosmic reionization: how large a volume is large enough?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 725-743.	1.6	154
130	50 picoarcsec astrometry of pulsar emission. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 440, L36-L40.	1.2	32
131	Method for Direct Measurement of Cosmic Acceleration by 21-cm Absorption Systems. <i>Physical Review Letters</i> , 2014, 113, 041303.	2.9	30
132	Measurement of Neutrino Masses from Relative Velocities. <i>Physical Review Letters</i> , 2014, 113, 131301.	2.9	21
133	Pulsar scintillation patterns and strangelets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 727, 357-360.	1.5	11
134	Determination of $\langle \delta z \rangle \sim 0.8$ neutral hydrogen fluctuations using the 21-cm intensity mapping autocorrelation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 434, L46-L50.	1.2	207
135	A simulation-calibrated limit on the δ power spectrum from the GMRT Epoch of Reionization experiment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 639-647.	1.6	247
136	High-performance P3M N-body code: CUBEP3M. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 540-559.	1.6	123
137	Non-Gaussian error bars in galaxy surveys – II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3349-3363.	1.6	8
138	Optimizing the recovery of Fisher information in the dark matter power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 759-773.	1.6	4
139	REIONIZATION ON LARGE SCALES. II. DETECTING PATCHY REIONIZATION THROUGH CROSS-CORRELATION OF THE COSMIC MICROWAVE BACKGROUND. <i>Astrophysical Journal</i> , 2013, 776, 82.	1.6	20
140	MEASUREMENT OF 21 cm BRIGHTNESS FLUCTUATIONS AT $\langle \delta z \rangle \sim 0.8$ IN CROSS-CORRELATION. <i>Astrophysical Journal Letters</i> , 2013, 763, L20.	3.0	257
141	Simulating cosmic reionization and the radiation backgrounds from the epoch of reionization. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	3
142	Pulsar timing arrays as imaging gravitational wave telescopes: Angular resolution and source (de)confusion. <i>Physical Review D</i> , 2012, 86, .	1.6	29
143	Non-Gaussian errors of baryonic acoustic oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2949-2960.	1.6	24
144	Refractive convergent plasma lenses explain extreme scattering events and pulsar scintillation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 421, L132-L136.	1.2	51

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145	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
146	Non-Gaussian error bars in galaxy surveys - I. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2288-2307.	1.6	20
147	Detecting cosmic structure via 21-cm intensity mapping on the Australian Telescope Compact Array. Astronomy and Astrophysics, 2012, 539, L5.	2.1	2
148	INCREASING THE FISHER INFORMATION CONTENT IN THE MATTER POWER SPECTRUM BY NONLINEAR WAVELET WIENER FILTERING. Astrophysical Journal, 2011, 728, 35.	1.6	23
149	The GMRT Epoch of Reionization experiment: a new upper limit on the neutral hydrogen power spectrum at $z \approx 8.6$. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1174-1183.	1.6	147
150	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
151	Information content in the angular power spectrum of weak lensing: wavelet method. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	1.6	6
152	Improved dark energy detection through the polarization-assisted cross correlation of the cosmic microwave background with radio sources. Physical Review D, 2011, 83, .	1.6	7
153	FISH: A THREE-DIMENSIONAL PARALLEL MAGNETOHYDRODYNAMICS CODE FOR ASTROPHYSICAL APPLICATIONS. Astrophysical Journal, Supplement Series, 2011, 195, 20.	3.0	25
154	ENHANCED DETECTABILITY OF PRE-REIONIZATION 21 cm STRUCTURE. Astrophysical Journal Letters, 2010, 723, L17-L21.	3.0	11
155	A real-time software backend for the GMRT. Experimental Astronomy, 2010, 28, 25-60.	1.6	74
156	Self-calibration of photometric redshift scatter in weak-lensing surveys. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	16
157	An intensity map of hydrogen 21-cm emission at redshift $z \approx 0.8$. Nature, 2010, 466, 463-465.	13.7	287
158	Cosmological Reionization by the First Stars in the H[₂]-Dissociating Background. , 2010, , .		0
159	Fast magnetic reconnection in three-dimensional magnetohydrodynamics simulations. Physics of Plasmas, 2010, 17, 102302.	0.7	3
160	Large-scale BAO signatures of the smallest galaxies. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 007-007.	1.9	97
161	Dark energy from large-scale structure lensing information. Physical Review D, 2010, 81, .	1.6	22
162	Primordial Gravity Wave Fossils and Their Use in Testing Inflation. Physical Review Letters, 2010, 105, 161302.	2.9	58

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163	Near-term measurements with 21Åcm intensity mapping: Neutral hydrogen fraction and BAO at $z < 2$. Physical Review D, 2010, 81, .	1.6	29
164	Projected constraints on modified gravity cosmologies from 21Åcm intensity mapping. Physical Review D, 2010, 81, .	1.6	30
165	Breaking the degeneracy: Optimal use of three-point weak lensing statistics. Astroparticle Physics, 2010, 32, 340-351.	1.9	34
166	Efficient approximations of neutrino physics for three-dimensional simulations of stellar core collapse. , 2010, , .		0
167	THE INHOMOGENEOUS BACKGROUND OF H_{2} -DISSOCIATING RADIATION DURING COSMIC REIONIZATION. Astrophysical Journal, 2009, 695, 1430-1445.	1.6	109
168	Reionization: characteristic scales, topology and observability. Astrophysics and Space Science, 2009, 320, 39-43.	0.5	7
169	Halo stochasticity in global clustering analysis. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1610-1618.	1.6	28
170	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
171	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
172	THE YUAN-TSEH LEE ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY. Astrophysical Journal, 2009, 694, 1610-1618.	1.6	35
173	Science with ASKAP. Experimental Astronomy, 2008, 22, 151-273.	1.6	332
174	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
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