Abraham Loeb

List of Publications by Year
in descending order

619 papers	34,267 citations	2802 94 h-index	6654 156 g-index
625 all docs	625 docs citations	625 times ranked	13552 citing authors

#	Article	IF	Citations
1	In the beginning: the first sources of light and the reionization of the universe. Physics Reports, 2001, 349, 125-238.	25.6	1,032
2	Generation of Magnetic Fields in the Relativistic Shock of Gammaâ€Ray Burst Sources. Astrophysical Journal, 1999, 526, 697-706.	4.5	718
3	21 cm cosmology in the 21st century. Reports on Progress in Physics, 2012, 75, 086901.	20.1	665
4	Constraining Cosmological Parameters Based on Relative Galaxy Ages. Astrophysical Journal, 2002, 573, 37-42.	4.5	607
5	Formation of the First Supermassive Black Holes. Astrophysical Journal, 2003, 596, 34-46.	4.5	599
6	Discovering planetary systems through gravitational microlenses. Astrophysical Journal, 1992, 396, 104.	4.5	444
7	Subhaloes in self-interacting galactic dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3740-3752.	4.4	431
8	Gravitational waves from scattering of stellar-mass black holes in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2009, 395, 2127-2146.	4.4	389
9	Selfâ€regulated Growth of Supermassive Black Holes in Galaxies as the Origin of the Optical and Xâ€Ray Luminosity Functions of Quasars. Astrophysical Journal, 2003, 595, 614-623.	4.5	366
10	The formation of the first low-mass stars from gas with low carbon and oxygen abundances. Nature, 2003, 425, 812-814.	27.8	360
11	Generic Spectrum and Ionization Efficiency of a Heavy Initial Mass Function for the First Stars. Astrophysical Journal, 2001, 552, 464-472.	4.5	356
12	Jet-Launching Structure Resolved Near the Supermassive Black Hole in M87. Science, 2012, 338, 355-358.	12.6	336
13	Birth of a relativistic outflow in the unusual Î³-ray transient Swift J164449.3+573451. Nature, 2011, 476, 425-428.	27.8	326
14	Destruction of Molecular Hydrogen during Cosmological Reionization. Astrophysical Journal, 1997, 476, 458-463.	4.5	312
15	The Reionization of the Universe by the First Stars and Quasars. Annual Review of Astronomy and Astrophysics, 2001, 39, 19-66.	24.3	294
16	Cosmological Formation of Low-Mass Objects. Astrophysical Journal, 1996, 464, 523.	4.5	285
17	Cores in Dwarf Galaxies from Dark Matter with a Yukawa Potential. Physical Review Letters, 2011, 106, 171302.	7.8	280
18	Measuring the Small-Scale Power Spectrum of Cosmic Density Fluctuations through 21Âcm Tomography Prior to the Epoch of Structure Formation. Physical Review Letters, 2004, 92, 211301.	7.8	279

#	Article	IF	Citations
19	Collapse of primordial gas clouds and the formation of quasar black holes. Astrophysical Journal, 1994, 432, 52.	4.5	261
20	Lowâ€Frequency Gravitational Waves from Massive Black Hole Binaries: Predictions forLISAand Pulsar Timing Arrays. Astrophysical Journal, 2003, 590, 691-706.	4.5	260
21	Unusually Large Fluctuations in the Statistics of Galaxy Formation at High Redshift. Astrophysical Journal, 2004, 609, 474-481.	4.5	246
22	The Photoevaporation of Dwarf Galaxies during Reionization. Astrophysical Journal, 1999, 523, 54-65.	4.5	241
23	Inflationary paradigm in trouble after Planck2013. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 261-266.	4.1	239
24	Observational Signatures of the First Quasars. Astrophysical Journal, 1998, 503, 505-517.	4.5	232
25	Reionization of Hydrogen and Helium by Early Stars and Quasars. Astrophysical Journal, 2003, 586, 693-708.	4.5	229
26	What Is the Highest Plausible Redshift of Luminous Quasars?. Astrophysical Journal, 2001, 552, 459-463.	4.5	219
27	RESONANT POST-NEWTONIAN ECCENTRICITY EXCITATION IN HIERARCHICAL THREE-BODY SYSTEMS. Astrophysical Journal, 2013, 773, 187.	4.5	215
28	Faraday Rotation of Microwave Background Polarization by a Primordial Magnetic Field. Astrophysical Journal, 1996, 469, 1.	4.5	213
29	Signatures of Stellar Reionization of the Universe. Astrophysical Journal, 1997, 483, 21-37.	4.5	207
30	A Method for Separating the Physics from the Astrophysics of High-Redshift 21 Centimeter Fluctuations. Astrophysical Journal, 2005, 624, L65-L68.	4.5	207
31	Small-scale power spectrum of cold dark matter. Physical Review D, 2005, 71, .	4.7	206
32	The Expected Redshift Distribution of Gammaâ€Ray Bursts. Astrophysical Journal, 2002, 575, 111-116.	4.5	204
33	A small amount of mini-charged dark matter could cool the baryons in the early Universe. Nature, 2018, 557, 684-686.	27.8	203
34	Direct Measurement of Cosmological Parameters from the Cosmic Deceleration of Extragalactic Objects. Astrophysical Journal, 1998, 499, L111-L114.	4.5	202
35	Detecting the Earliest Galaxies through Two New Sources of 21 Centimeter Fluctuations. Astrophysical Journal, 2005, 626, 1-11.	4.5	202
36	Magnetic field generation during the cosmological QCD phase transition. Astrophysical Journal, 1989, 344, L49.	4.5	190

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37	Highâ€Redshift Gammaâ€Ray Bursts from Population III Progenitors. Astrophysical Journal, 2006, 642, 382-388.	4.5	189
38	Intergalactic Magnetic Fields from Quasar Outflows. Astrophysical Journal, 2001, 556, 619-634.	4.5	185
39	Imaging optically-thin hotspots near the black hole horizon of Sgr A* at radio and near-infrared wavelengths. Monthly Notices of the Royal Astronomical Society, 2006, 367, 905-916.	4.4	184
40	ELECTROMAGNETIC COUNTERPARTS TO BLACK HOLE MERGERS DETECTED BY LIGO. Astrophysical Journal Letters, 2016, 819, L21.	8.3	179
41	TESTING THE NO-HAIR THEOREM WITH EVENT HORIZON TELESCOPE OBSERVATIONS OF SAGITTARIUS A*. Astrophysical Journal, 2014, 784, 7.	4.5	178
42	Periodic Flux Variability of Stars due to the Reflex Doppler Effect Induced by Planetary Companions. Astrophysical Journal, 2003, 588, L117-L120.	4.5	177
43	Optical Appearance of the Debris of a Star Disrupted by a Massive Black Hole. Astrophysical Journal, 1997, 489, 573-578.	4.5	177
44	Cosmic Î³-ray background from structure formation in the intergalactic medium. Nature, 2000, 405, 156-158.	27.8	176
45	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. Science, 2015, 350, 1242-1245.	12.6	176
46	Consequences of strong compression in tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1809-1824.	4.4	169
47	Scattered LyÎ± Radiation around Sources before Cosmological Reionization. Astrophysical Journal, 1999, 524, 527-535.	4.5	161
48	Lyï¿½ï¿½ blobs as an observational signature of cold accretion streams into galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1109-1120.	4.4	156
49	ECCENTRICITY GROWTH AND ORBIT FLIP IN NEAR-COPLANAR HIERARCHICAL THREE-BODY SYSTEMS. Astrophysical Journal, 2014, 785, 116.	4.5	152
50	An intermediate-mass black hole in the centre of the globular cluster 47 Tucanae. Nature, 2017, 542, 203-205.	27.8	149
51	ON THE GeV AND TeV DETECTIONS OF THE STARBURST GALAXIES M82 AND NGC 253. Astrophysical Journal, 2011, 734, 107.	4.5	147
52	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. Astrophysical Journal, 2016, 833, 102.	4.5	147
53	Was the Universe Reionized by Massive Metal-free Stars?. Astrophysical Journal, 2003, 588, L69-L72.	4.5	143
54	Imaging bright-spots in the accretion flow near the black hole horizon of Sgr A. Monthly Notices of the Royal Astronomical Society, 2005, 363, 353-362.	4.4	140

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55	Finite, intense accretion bursts from tidal disruption of stars on bound orbits. Monthly Notices of the Royal Astronomical Society, 2013, 434, 909-924.	4.4	140
56	Possibility of Precise Measurement of the Cosmological Power Spectrum with a Dedicated Survey of 21Âcm Emission after Reionization. Physical Review Letters, 2008, 100, 161301.	7.8	139
57	Absence of a thick atmosphere on the terrestrial exoplanet LHSÂ3844b. Nature, 2019, 573, 87-90.	27.8	139
58	A lower limit of the cosmic mean density from the ages of clusters of galaxies. Astrophysical Journal, 1992, 393, 477.	4.5	139
59	Origin of quasar progenitors from the collapse of low-spin cosmological perturbations. Astrophysical Journal, 1995, 443, 11.	4.5	139
60	Circularization of tidally disrupted stars around spinning supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3760-3780.	4.4	138
61	Gamma Rays from Intergalactic Shocks. Astrophysical Journal, 2003, 585, 128-150.	4.5	138
62	EVIDENCE FOR LOW BLACK HOLE SPIN AND PHYSICALLY MOTIVATED ACCRETION MODELS FROM MILLIMETER-VLBI OBSERVATIONS OF SAGITTARIUS A*. Astrophysical Journal, 2011, 735, 110.	4.5	137
63	Expected Number and Flux Distribution of Gammaâ€Ray Burst Afterglows with High Redshifts. Astrophysical Journal, 2000, 540, 687-696.	4.5	137
64	A Limit from the Xâ€Ray Background on the Contribution of Quasars to Reionization. Astrophysical Journal, 2004, 613, 646-654.	4.5	135
65	Constraining the unexplored period between the dark ages and reionization with observations of the global 21Âcm signal. Physical Review D, 2010, 82, .	4.7	131
66	DETECTING FLARING STRUCTURES IN SAGITTARIUS A* WITH HIGH-FREQUENCY VLBI. Astrophysical Journal, 2009, 695, 59-74.	4.5	130
67	A Physical Model for the Luminosity Function of Highâ€Redshift Quasars. Astrophysical Journal, 2002, 581, 886-894.	4.5	129
68	Observable signatures of extreme mass-ratio inspiral black hole binaries embedded in thin accretion disks. Physical Review D, 2011, 84, .	4.7	129
69	Dynamics of triple black hole systems in hierarchically merging massive galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 377, 957-976.	4.4	127
70	THE EVENT HORIZON OF SAGITTARIUS A*. Astrophysical Journal, 2009, 701, 1357-1366.	4.5	124
71	FOREGROUNDS IN WIDE-FIELD REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal, 2015, 804, 14.	4.5	122
72	An analytical model for the triaxial collapse of cosmological perturbations. Astrophysical Journal, 1995, 439, 520.	4.5	120

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73	IMAGING THE BLACK HOLE SILHOUETTE OF M87: IMPLICATIONS FOR JET FORMATION AND BLACK HOLE SPIN. Astrophysical Journal, 2009, 697, 1164-1179.	4.5	120
74	EFFECT OF STREAMING MOTION OF BARYONS RELATIVE TO DARK MATTER ON THE FORMATION OF THE FIRST STARS. Astrophysical Journal Letters, 2011, 730, L1.	8.3	120
75	Observable Signatures of a Black Hole Ejected by Gravitational-Radiation Recoil in a Galaxy Merger. Physical Review Letters, 2007, 99, 041103.	7.8	118
76	A large neutral fraction of cosmic hydrogen a billion years after the Big Bang. Nature, 2004, 427, 815-817.	27.8	116
77	CHAOS IN THE TEST PARTICLE ECCENTRIC KOZAIâ€“LIDOV MECHANISM. Astrophysical Journal, 2014, 791, 86.	4.5	115
78	Probing the Spacetime around Sagittarius A* with Radio Pulsars. Astrophysical Journal, 2004, 615, 253-258.	4.5	114
79	Imprint of Inhomogeneous Hydrogen Reionization on the Temperature Distribution of the Intergalactic Medium. Astrophysical Journal, 2008, 689, L81-L84.	4.5	113
80	Eppur Ã¨ piatto? The Cosmic Chronometers Take on Spatial Curvature and Cosmic Concordance. Astrophysical Journal, 2021, 908, 84.	4.5	112
81	Recoiling black holes in merging galaxies: relationship to active galactic nucleus lifetimes, starbursts and the MBH-Ïƒ* relation. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2154-2182.	4.4	110
82	The 21 Centimeter Forest: Radio Absorption Spectra as Probes of Minihalos before Reionization. Astrophysical Journal, 2002, 579, 1-9.	4.5	109
83	The Low-Frequency Environment of the Murchison Widefield Array: Radio-Frequency Interference Analysis and Mitigation. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	107
84	IDENTIFYING SUPERMASSIVE BLACK HOLE BINARIES WITH BROAD EMISSION LINE DIAGNOSIS. Astrophysical Journal, 2010, 725, 249-260.	4.5	105
85	ESTIMATING THE PARAMETERS OF SAGITTARIUS A*'s ACCRETION FLOW VIA MILLIMETER VLBI. Astrophysical Journal, 2009, 697, 45-54.	4.5	104
86	Probing the first stars and black holes in the early Universe with the Dark Ages Radio Explorer (DARE). Advances in Space Research, 2012, 49, 433-450.	2.6	104
87	Escape of Ionizing Radiation from Highâ€Redshift Galaxies. Astrophysical Journal, 2000, 545, 86-99.	4.5	104
88	Rotation speed of the first stars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 543-553.	4.4	102
89	Accretion onto a primordial protostar. New Astronomy, 2004, 9, 353-364.	1.8	101
90	A RUNAWAY BLACK HOLE IN COSMOS: GRAVITATIONAL WAVE OR SLINGSHOT RECOIL?. Astrophysical Journal, 2010, 717, 209-222.	4.5	101

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91	How Did the First Stars and Galaxies Form?. , 2010, , .		100
92	A characteristic size of â^¼10â€‰Mpc for the ionized bubbles at the end of cosmic reionization. Nature, 2004, 432, 194-196.	27.8	99
93	Empirical covariance modeling for 21Âcm power spectrum estimation: A method demonstration and new limits from early Murchison Widefield Array 128-tile data. Physical Review D, 2015, 91, .	4.7	99
94	CHIPS: THE COSMOLOGICAL H i POWER SPECTRUM ESTIMATOR. Astrophysical Journal, 2016, 818, 139.	4.5	98
95	Frequency-dependent Shift in the Image Centroid of the Black Hole at the Galactic Center as a Test of General Relativity. Astrophysical Journal, 2006, 636, L109-L112.	4.5	97
96	Metal Absorption Lines as Probes of the Intergalactic Medium Prior to the Reionization Epoch. Astrophysical Journal, 2003, 588, 18-34.	4.5	97
97	PROMPT RADIATION AND MASS OUTFLOWS FROM THE STREAMâ€“STREAM COLLISIONS OF TIDAL DISRUPTION EVENTS. Astrophysical Journal, 2016, 830, 125.	4.5	96
98	Could Solar Radiation Pressure Explain â€˜Oumuamuaâ€™s Peculiar Acceleration?. Astrophysical Journal Letters, 2018, 868, L1.	8.3	96
99	Redshift Evolution of the Black Hole Merger Rate from Globular Clusters. Astrophysical Journal Letters, 2018, 866, L5.	8.3	96
100	A theoretical model for the physical processes in the confined high pressure discharges of electrothermal launchers. IEEE Transactions on Magnetics, 1989, 25, 342-346.	2.1	95
101	Getting around cosmic variance. Physical Review D, 1997, 56, 4511-4513.	4.7	94
102	WILL THE LARGE SYNOPTIC SURVEY TELESCOPE DETECT EXTRA-SOLAR PLANETESIMALS ENTERING THE SOLAR SYSTEM?. Astrophysical Journal, 2009, 704, 733-742.	4.5	93
103	Fast radio bursts may originate from nearby flaring stars. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 439, L46-L50.	3.3	93
104	Identifying the Environment and Redshift of Gammaâ€Ray Burst Afterglows from the Time Dependence of Their Absorption Spectra. Astrophysical Journal, 1998, 501, 467-472.	4.5	93
105	REIONIZATION ON LARGE SCALES. I. A PARAMETRIC MODEL CONSTRUCTED FROM RADIATION-HYDRODYNAMIC SIMULATIONS. Astrophysical Journal, 2013, 776, 81.	4.5	89
106	HerMES: ALMA IMAGING OFHERSCHEL-SELECTED DUSTY STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 812, 43.	4.5	88
107	On the Origin of GW190521-like Events from Repeated Black Hole Mergers in Star Clusters. Astrophysical Journal Letters, 2020, 902, L26.	8.3	87
108	The physics and early history of the intergalactic medium. Reports on Progress in Physics, 2007, 70, 627-657.	20.1	86

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109	Double-peaked narrow-line signatures of dual supermassive black holes in galaxy merger simulations. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2594-2616.	4.4	86
110	Cosmological Origin of the Stellar Velocity Dispersions in Massive Earlyâ€Type Galaxies. Astrophysical Journal, 2003, 589, 29-34.	4.5	85
111	Do the Electrons and Ions in Xâ€Ray Clusters Share the Same Temperature?. Astrophysical Journal, 1997, 491, 459-466.	4.5	83
112	Early Formation and Late Merging of the Giant Galaxies. Astrophysical Journal, 2004, 614, 17-25.	4.5	83
113	USING RADIO HALOS AND MINIHALOS TO MEASURE THE DISTRIBUTIONS OF MAGNETIC FIELDS AND COSMIC RAYS IN GALAXY CLUSTERS. Astrophysical Journal, 2010, 722, 737-749.	4.5	83
114	Imprint of Accretion Disk-Induced Migration on Gravitational Waves from Extreme Mass Ratio Inspirals. Physical Review Letters, 2011, 107, 171103.	7.8	83
115	Escape fraction of the ionizing radiation from starburst galaxies at high redshifts. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2826-2833.	4.4	83
116	Gammaâ€Ray Bursts versus Quasars: LyÎ± Signatures of Reionization versus Cosmological Infall. Astrophysical Journal, 2004, 601, 64-77.	4.5	83
117	X-Ray Absorption by the Hot Intergalactic Medium. Astrophysical Journal, 1998, 503, L135-L138.	4.5	82
118	An empirical model for the galaxy luminosity and star formation rate function at high redshift. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2101-2109.	4.4	82
119	Emission Spectra from Internal Shocks in Gamma-Ray Burst Sources. Astrophysical Journal, 1998, 494, L167-L171.	4.5	81
120	Resolving Gamma-Ray Burst 000301C with a Gravitational Microlens. Astrophysical Journal, 2000, 544, L11-L15.	4.5	79
121	Gas pile-up, gap overflow and Type 1.5 migration in circumbinary discs: application to supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2680-2700.	4.4	79
122	First limits on the 21Âcm power spectrum during the Epoch of X-ray heating. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4320-4347.	4.4	79
123	The collision between the Milky Way and Andromeda. Monthly Notices of the Royal Astronomical Society, 2008, 386, 461-474.	4.4	78
124	EVIDENCE AGAINST DARK MATTER HALOS SURROUNDING THE GLOBULAR CLUSTERS MGC1 AND NGC 2419. Astrophysical Journal, 2011, 741, 72.	4.5	78
125	Observing Lense-Thirring Precession in Tidal Disruption Flares. Physical Review Letters, 2012, 108, 061302.	7.8	77
126	Imprint of Intergalactic Shocks on the Radio Sky. Astrophysical Journal, 2004, 617, 281-302.	4.5	75

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127	CONSTRAINING SUB-PARSEC BINARY SUPERMASSIVE BLACK HOLES IN QUASARS WITH MULTI-EPOCH SPECTROSCOPY. I. THE GENERAL QUASAR POPULATION. Astrophysical Journal, 2013, 775, 49.	4.5	75
128	PROSPECTS FOR CHARACTERIZING THE ATMOSPHERE OF PROXIMA CENTAURI b. Astrophysical Journal Letters, 2016, 832, L12.	8.3	75
129	CONFIRMATION OF WIDE-FIELD SIGNATURES IN REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal Letters, 2015, 807, L28.	8.3	73
130	The Link between Warm Molecular Disks in Maser Nuclei and Star Formation near the Black Hole at the Galactic Center. Astrophysical Journal, 2004, 604, L45-L48.	4.5	72
131	Improved Constraints on the Neutral Intergalactic Hydrogen Surrounding Quasars at Redshiftsz› 6. Astrophysical Journal, 2005, 628, 575-582.	4.5	72
132	Dynamics of a Massive Black Hole at the Center of a Dense Stellar System. Astrophysical Journal, 2002, 572, 371-381.	4.5	71
133	Supernova shock breakout through a wind. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1715-1720.	4.4	71
134	Largeâ€Scale Structure Shocks at Low and High Redshifts. Astrophysical Journal, 2004, 611, 642-654.	4.5	70
135	Is Double Reionization Physically Plausible?. Astrophysical Journal, 2005, 634, 1-13.	4.5	70
136	The fate of former companions to hypervelocity stars originating at the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2006, 368, 221-225.	4.4	69
137	Identifying the Reionization Redshift from the Cosmic Star Formation Rate. Astrophysical Journal, 2000, 539, 20-25.	4.5	68
138	Fluctuations in 21-cm emission after reionization. Monthly Notices of the Royal Astronomical Society, 2008, 383, 606-614.	4.4	68
139	Formation of galactic nuclei with multiple supermassive black holes at high redshifts. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1306-1323.	4.4	68
140	CONSTRAINING SUB-PARSEC BINARY SUPERMASSIVE BLACK HOLES IN QUASARS WITH MULTI-EPOCH SPECTROSCOPY. II. THE POPULATION WITH KINEMATICALLY OFFSET BROAD BALMER EMISSION LINES. Astrophysical Journal, 2014, 789, 140.	4.5	68
141	Parametrizing Epoch of Reionization foregrounds: a deep survey of low-frequency point-source spectra with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1057-1070.	4.4	68
142	DETECTING TRIPLE SYSTEMS WITH GRAVITATIONAL WAVE OBSERVATIONS. Astrophysical Journal, 2017, 834, 200.	4.5	68
143	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. Astrophysical Journal, 2016, 825, 114.	4.5	67
144	21-cm Fluctuations from Charged Dark Matter. Physical Review Letters, 2018, 121, 121301.	7.8	67

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145	Black holeâ€“neutron star mergers from triples. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4443-4450.	4.4	67
146	THE IMPORTANCE OF WIDE-FIELD FOREGROUND REMOVAL FOR 21 cm COSMOLOGY: A DEMONSTRATION WITH EARLY MWA EPOCH OF REIONIZATION OBSERVATIONS. Astrophysical Journal, 2016, 819, 8.	4.5	65
147	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. Astrophysical Journal, 2016, 820, 90.	4.5	65
148	Are H [CSC]i[/CSC] Supershells the Remnants of Gamma-Ray Bursts?. Astrophysical Journal, 1998, 503, L35-L37.	4.5	65
149	PROBING PRE-GALACTIC METAL ENRICHMENT WITH HIGH-REDSHIFT GAMMA-RAY BURSTS. Astrophysical Journal, 2012, 760, 27.	4.5	64
150	Microlensing of Gammaâ€Ray Burst Afterglows. Astrophysical Journal, 1998, 495, 597-603.	4.5	63
151	Magnification of light from many distant quasars by gravitational lenses. Nature, 2002, 417, 923-925.	27.8	63
152	Pair-instability supernovae at the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2701-2711.	4.4	63
153	Future evolution of nearby large-scale structures in a universe dominated by a cosmological constant. New Astronomy, 2003, 8, 439-448.	1.8	62
154	CONSTRAINING THE MINIMUM MASS OF HIGH-REDSHIFT GALAXIES AND THEIR CONTRIBUTION TO THE IONIZATION STATE OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2011, 729, 99.	4.5	62
155	The polarization of scattered LyÃŽÂ± radiation around high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 386, 492-504.	4.4	61
156	The Interaction of Relativistic Spacecrafts with the Interstellar Medium. Astrophysical Journal, 2017, 837, 5.	4.5	61
157	Variability of Gammaâ€Ray Burst Afterglows due to Interstellar Turbulence. Astrophysical Journal, 2000, 535, 788-797.	4.5	61
158	The case for a low extragalactic gamma-ray background. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 006-006.	5.4	60
159	Prompt tidal disruption of stars as an electromagnetic signature of supermassive black hole coalescence. Monthly Notices of the Royal Astronomical Society, 2011, 412, 75-80.	4.4	60
160	REIONIZATION ON LARGE SCALES. III. PREDICTIONS FOR LOW-â„“ COSMIC MICROWAVE BACKGROUND POLARIZATION AND HIGH-â„“ KINETIC SUNYAEV-ZEL'DOVICH OBSERVABLES. Astrophysical Journal, 2013, 776, 83.	4.5	60
161	Testing General Relativity with Accretion-Flow Imaging of Sgr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">A</mml:mi></mml:mrow><mml:mrow><mml:mo>*</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> Physical Review Letters, 2016, 117, 091101.	7.8	60
162	A possible origin of galactic magnetic fields. Astrophysical Journal, 1990, 364, 451.	4.5	60

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163	Constraints on Offâ€Axis Xâ€Ray Emission from Beamed Gammaâ€Ray Bursts. Astrophysical Journal, 1999, 523, 187-191.	4.5	60
164	Production of hypervelocity stars through encounters with stellar-mass black holes in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2008, 383, 86-92.	4.4	59
165	Risks for Life on Habitable Planets from Superflares of Their Host Stars. Astrophysical Journal, 2017, 848, 41.	4.5	59
166	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. Astrophysical Journal, 2016, 830, 38.	4.5	58
167	Effective Screening Due to Minihalos during the Epoch of Reionization. Astrophysical Journal, 2002, 578, 1-11.	4.5	58
168	Undetected Sources Allow Transmission of the LyÎ± Line from Galaxies Prior to Reionization. Astrophysical Journal, 2005, 625, 1-5.	4.5	57
169	Explosions Driven by the Coalescence of a Compact Object with the Core of a Massive-star Companion inside a Common Envelope: Circumstellar Properties, Light Curves, and Population Statistics. Astrophysical Journal, 2020, 892, 13.	4.5	57
170	Probing the epoch of reionization with Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1593-1602.	4.4	56
171	Implications of the eccentric Kozaiâ€“Lidov mechanism for stars surrounding supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1341-1349.	4.4	56
172	Hunting black holes with Gaia. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2611-2616.	4.4	56
173	Detecting stellar lensing of gravitational waves with ground-based observatories. Physical Review D, 2018, 98, .	4.7	56
174	Spectral signature of cosmological infall of gas around the first quasars. Nature, 2003, 421, 341-343.	27.8	55
175	Prospects for Redshifted 21 cm Observations of Quasar HiiRegions. Astrophysical Journal, 2005, 634, 715-727.	4.5	55
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