Joe Silk

List of Publications by Year in descending order

749 papers	41,104 citations	2975 93 h-index	4342 173 g-index
777 all docs	777 docs citations	777 times ranked	18860 citing authors

#	Article	IF	Citations
1	High-redshift quasars and their host galaxies â€“ II. Multiphase gas and stellar kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5760-5779.	4.4	11
2	Baryogenesis from ultra-slow-roll inflation. Journal of High Energy Physics, 2022, 2022, 1.	4.7	4
3	Extremely massive disc galaxies in the nearby Universe form through gas-rich minor mergers. Monthly Notices of the Royal Astronomical Society, 2022, 511, 607-615.	4.4	14
4	Cooling of Neutron Stars admixed with light dark matter: A case study. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136937.	4.1	11
5	Prospects of discovering subsolar primordial black holes using the stochastic gravitational wave background from third-generation detectors. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6218-6224.	4.4	22
6	Repeated Mergers, Mass-gap Black Holes, and Formation of Intermediate-mass Black Holes in Dense Massive Star Clusters. Astrophysical Journal, 2022, 927, 231.	4.5	53
7	Mergers of maximally charged primordial black holes. Physical Review D, 2022, 105, .	4.7	7
8	Limits on primordial black holes from M87. Physical Review D, 2022, 105, .	4.7	4
9	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
10	Induced gravitational waves from the cosmic coincidence. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 008.	5.4	22
11	OWL-Moon in 2050 and beyond. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200187.	3.4	7
12	Dark matter-deficient dwarf galaxies form via tidal stripping of dark matter in interactions with massive companions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1785-1796.	4.4	30
13	Testing the general theory of relativity using gravitational wave propagation from dark standard sirens. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1136-1144.	4.4	50
14	Fast radio burst repeaters produced via Kozai-Lidov feeding of neutron stars in binary systems. Astronomy and Astrophysics, 2021, 645, A122.	5.1	4
15	Boosting small-scale structure via primordial black holes and implications for sub-GeV dark matter annihilation. Physical Review D, 2021, 103, .	4.7	9
16	Investigating Cosmic Discordance. Astrophysical Journal Letters, 2021, 908, L9.	8.3	96
17	Primordial black holes and secondary gravitational waves from ultraslow roll and punctuated inflation. Physical Review D, 2021, 103, .	4.7	71
18	Could PBHs and secondary GWs have originated from squeezed initial states?. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 010.	5.4	11

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19	New horizons in cosmology with spectral distortions of the cosmic microwave background. Experimental Astronomy, 2021, 51, 1515-1554.	3.7	68
20	Parameterizing the Outflow from a Central Black Hole in Dwarf Spheroidal Galaxies: A 3D Hydrodynamic Simulation. Astrophysical Journal, 2021, 914, 32.	4.5	3
21	Impact of astrophysical binary coalescence time-scales on the rate of lensed gravitational wave events. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3751-3759.	4.4	21
22	Can we distinguish astrophysical from primordial black holes via the stochastic gravitational wave background?. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3977-3985.	4.4	50
23	The impact of turbulent mixing on the galactic r-process enrichment by binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4374-4388.	4.4	6
24	Microwave spectro-polarimetry of matter and radiation across space and time. Experimental Astronomy, 2021, 51, 1471-1514.	3.7	15
25	In the realm of the Hubble tensionâ€”a review of solutions [*]. Classical and Quantum Gravity, 2021, 38, 153001.	4.0	816
26	Chronos: A NIR spectroscopic galaxy survey to probe the most fundamental stages of galaxy evolution. Experimental Astronomy, 2021, 51, 729.	3.7	0
27	The galaxy power spectrum take on spatial curvature and cosmic concordance. Physics of the Dark Universe, 2021, 33, 100851.	4.9	76
28	Flattening of Dark Matter Cusps during Mergers: Model of M31. Astrophysical Journal, 2021, 919, 86.	4.5	4
29	Fundamental physics using the temporal gravitational wave background. Physical Review D, 2021, 104, .	4.7	11
30	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	4.3	228
31	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. Astroparticle Physics, 2021, 131, 102607.	4.3	39
32	Small-scale primordial fluctuations in the 21 cm Dark Ages signal. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2627-2634.	4.4	11
33	Inferring the lensing rate of LIGOâ€“Virgo sources from the stochastic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2451-2466.	4.4	26
34	The limits of cosmology: role of the Moon. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190561.	3.4	9
35	Extreme-value statistics of the spin of primordial black holes. Physical Review D, 2021, 104, .	4.7	10
36	Regulation of star formation by large-scale gravitoturbulence. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2979-2993.	4.4	7

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37	Astronomy from the Moon: the next decades. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190560.	3.4	5
38	Reaching small scales with low-frequency imaging: applications to the Dark Ages. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190571.	3.4	3
39	From diffuse extragalactic and galactic gamma-rays to limits on extra dimensions. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 492, L66-L68.	3.3	0
40	Planck evidence for a closed Universe and a possible crisis for cosmology. Nature Astronomy, 2020, 4, 196-203.	10.1	363
41	Neutron stars as probes of dark matter. International Journal of Modern Physics D, 2020, 29, 2043028.	2.1	3
42	Stellar signatures of inhomogeneous big bang nucleosynthesis. Physical Review D, 2020, 102, .	4.7	9
43	Subhalo sinking and off-centre massive black holes in dwarf galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 495, L12-L16.	3.3	17
44	Repeated mergers and ejection of black holes within nuclear star clusters. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4591-4604.	4.4	68
45	Ejection of supermassive black holes and implications for merger rates in fuzzy dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2575-2586.	4.4	6
46	Multimessenger tests of gravity with weakly lensed gravitational waves. Physical Review D, 2020, 101, .	4.7	47
47	Biosignature surveys to exoplanet yields and beyond. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1000-1015.	4.4	8
48	A detailed look at the stellar populations in green valley galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2720-2737.	4.4	16
49	Evolution of primordial black hole spin due to Hawking radiation. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1257-1262.	4.4	31
50	Probing the theory of gravity with gravitational lensing of gravitational waves and galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1956-1970.	4.4	85
51	Cosmological constraints in extended parameter space from the Planck 2018 Legacy release. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013.	5.4	83
52	Cusp-to-core transition in low-mass dwarf galaxies induced by dynamical heating of cold dark matter by primordial black holes. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5218-5225.	4.4	18
53	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
54	Embedding globular clusters in dark matter minihaloes solves the cuspâ€“core and timing problems in the Fornax dwarf galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3169-3178.	4.4	15

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55	Constraining primordial black hole masses with the isotropic gamma ray background. Physical Review D, 2020, 101, .	4.7	58
56	Primordial rotating black holes. Physical Review D, 2020, 101, .	4.7	18
57	The Lyman Continuum Escape Fraction of Galaxies and AGN in the GOODS Fields. Astrophysical Journal, 2020, 897, 41.	4.5	17
58	Asteroseismology of Red Clump Stars as a Probe of the Dark Matter Content of the Galaxy Central Region. Astrophysical Journal Letters, 2019, 880, L25.	8.3	9
59	Ultra-diffuse galaxies without dark matter. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 488, L24-L28.	3.3	37
60	Ultracompact minihalos associated with stellar-mass primordial black holes. Physical Review D, 2019, 99, .	4.7	13
61	Exploring a new definition of the green valley and its implications. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 488, L99-L103.	3.3	16
62	Detectability of gravitational waves from the coalescence of massive primordial black holes with initial clustering. Physical Review D, 2019, 100, .	4.7	16
63	Dark Matter Signatures of Supermassive Black Hole Binaries. Astrophysical Journal Letters, 2019, 885, L35.	8.3	9
64	High-redshift quasars and their host galaxies â€“ I. Kinematical and dynamical properties and their tracers. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4004-4022.	4.4	54
65	AGN in dwarf galaxies: frequency, triggering processes and the plausibility of AGN feedback. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L12-L16.	3.3	48
66	Feedback by supermassive black holes in galaxy evolution: impacts of accretion and outflows on the star formation rate. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1509-1522.	4.4	12
67	Total density profile of massive early-type galaxies in Hâ€‰<scp>orizon</scp>-AGN simulation: impact of AGN feedback and comparison with observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4615-4627.	4.4	22
68	Fornax globular cluster distributions: implications for the cusp-core problem. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2546-2557.	4.4	19
69	Primordial-black-hole mergers in dark-matter spikes. Physical Review D, 2019, 99, .	4.7	29
70	Dark matter imprint on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>neutrino spectrum. Physical Review D, 2019, 99, .	4.7	10
71	Where do the AMS-02 antihelium events come from?. Physical Review D, 2019, 99, .	4.7	46
72	How to measure CMB spectral distortions with an imaging telescope. Physical Review D, 2019, 100, .	4.7	8

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73	Dark matter and bubble nucleation in old neutron stars. Physical Review D, 2019, 100, .	4.7	8
74	Limits on primordial black holes from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¼</mml:mi></mml:math> distortions in cosmic microwave background. Physical Review D, 2018, 97, .	4.7	72
75	The frequency of very young galaxies in the local Universe: I. A test for galaxy formation and cosmological models. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1427-1450.	4.4	13
76	Searching for secluded dark matter with H.E.S.S., Fermi-LAT, and Planck. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 010-010.	5.4	45
77	Intermediate-mass Black Holes and Dark Matter at the Galactic Center. Astrophysical Journal Letters, 2018, 853, L16.	8.3	10
78	AGN feedback in dwarf galaxies?. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5698-5703.	4.4	50
79	Signatures of primordial black holes as seeds of supermassive black holes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	33
80	Cluster-void degeneracy breaking: Modified gravity in the balance. Physical Review D, 2018, 97, .	4.7	12
81	A free-form lensing model of A370 revealing stellar mass dominated BCGs, in Hubble Frontier Fields images. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4279-4296.	4.4	33
82	Searches for gamma-ray lines and â€˜pure WIMPâ€™ spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 037-037.	5.4	30
83	Molecular Ionization Rates and Ultracompact Dark Matter Minihalos. Physical Review Letters, 2018, 121, 231105.	7.8	3
84	Retainment of r-process material in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1994-2005.	4.4	29
85	Feedback from reorienting AGN jets. Astronomy and Astrophysics, 2018, 617, A58.	5.1	35
86	Relativistic jet feedback â€“ III. Feedback on gas discs. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5544-5566.	4.4	138
87	Cosmological evolution of the nitrogen abundance. Monthly Notices of the Royal Astronomical Society, 2018, 477, 56-66.	4.4	13
88	The most massive galaxies and black holes allowed by Î›CDM. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5382-5387.	4.4	50
89	The natural emergence of the correlation between H2 and star formation rate surface densities in galaxy simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2884-2903.	4.4	39
90	Hubble Space Telescope Wide Field Camera 3 Observations of Escaping Lyman Continuum Radiation from Galaxies and Weak AGN at Redshifts zÂâ¼Â2.3â€“4.1. Astrophysical Journal, 2018, 853, 191.	4.5	22

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91	Towards the Limits of Cosmology. Foundations of Physics, 2018, 48, 1305-1332.	1.3	8
92	Exploring stellar evolution with gravitational-wave observations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 121-129.	4.4	19
93	FSD: Frequency Space Differential measurement of CMB spectral distortions. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4473-4482.	4.4	5
94	Primordial black holes as generators of cosmic structures. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3756-3775.	4.4	169
95	Stochastic gravitational waves associated with the formation of primordial black holes. Physical Review D, 2017, 95, .	4.7	158
96	Feedback by Massive Black Holes in Gas-rich Dwarf Galaxies. Astrophysical Journal Letters, 2017, 839, L13.	8.3	81
97	Challenges in Cosmology from the Big Bang to Dark Energy, Dark Matter and Galaxy Formation. , 2017, , .		7
98	AGN Outflow Shocks on Bonnorâ€“Ebert Spheres. Astrophysical Journal, 2017, 839, 103.	4.5	7
99	Discovery of a new extragalactic population of energetic particles. Physical Review D, 2017, 95, .	4.7	21
100	Fermionic Light Dark Matter Particles and the New Physics of Neutron Stars. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	16
101	Recoiling supermassive black hole escape velocities from dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1526-1537.	4.4	7
102	Constraining dark energy dynamics in extended parameter space. Physical Review D, 2017, 96, .	4.7	149
103	Feedback by AGN Jets and Wide-angle Winds on a Galactic Scale. Astrophysical Journal, 2017, 844, 37.	4.5	21
104	Gravitational Waves from Stellar Black Hole Binaries and the Impact on Nearby Sun-like Stars. Astrophysical Journal, 2017, 844, 39.	4.5	3
105	Outflows driven by quasars in high-redshift galaxies with radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1854-1873.	4.4	66
106	Backflows by active galactic nuclei jets: global properties and influence on supermassive black hole accretion. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4526-4539.	4.4	13
107	Simplified galaxy formation with mesh-less hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1673-1686.	4.4	9
108	Ultrahigh-energy cosmic rays from tidally-ignited white dwarfs. Physical Review D, 2017, 96, .	4.7	17

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109	Density profile of dark matter haloes and galaxies in the horizonâ€“agn simulation: the impact of AGN feedback. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2153-2169.	4.4	102
110	Constraining the redshifted 21-cm signal with the unresolved soft X-ray background. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3498-3508.	4.4	50
111	Magnetically elevated accretion discs in active galactic nuclei: broad emission-line regions and associated star formation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2311-2317.	4.4	23
112	The Energetic Particle Population in Centaurus A. Proceedings of the International Astronomical Union, 2016, 12, 211-214.	0.0	0
113	Synthetic model of the gravitational wave background from evolving binary compact objects. Physical Review D, 2016, 94, .	4.7	27
114	Connecting the new H.E.S.S. diffuse emission at the Galactic Center with the Fermi GeV excess: A combination of millisecond pulsars and heavy dark matter?. Physical Review D, 2016, 94, .	4.7	9
115	Evolution of dispersion in the cosmic deuterium abundance. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 458, L104-L108.	3.3	18
116	Light dark matter scattering in outer neutron star crusts. Physical Review D, 2016, 94, .	4.7	13
117	Dark Matter in Î³ lines: Galactic Center vs. dwarf galaxies. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 043-043.	5.4	34
118	Galaxyâ€scale AGN feedback â€“ theory. Astronomische Nachrichten, 2016, 337, 167-174.	1.2	48
119	Flaring of tidally compressed dark-matter clumps. Physical Review D, 2016, 93, .	4.7	7
120	Shocking signals of dark matter annihilation. Physical Review D, 2016, 93, .	4.7	1
121	Volume weighting the measure of the universe from classical slow-roll expansion. Physical Review D, 2016, 93, .	4.7	4
122	COMPARING SIMULATIONS OF AGN FEEDBACK. Astrophysical Journal, 2016, 825, 83.	4.5	20
123	Metallicity-constrained merger rates of binary black holes and the stochastic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3877-3885.	4.4	88
124	Reconciling Planck with the local value of H 0 in extended parameter space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 242-246.	4.1	279
125	CLUSTERâ€“VOID DEGENERACY BREAKING: DARK ENERGY, PLANCK, AND THE LARGEST CLUSTER AND VOID. Astrophysical Journal Letters, 2016, 820, L7.	8.3	33
126	Diffusion of dark matter in a hot and dense nuclear environment. Physical Review D, 2016, 94, .	4.7	10

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127	Study of the very high energy gamma-ray spectrum from the Galactic Center and future prospects. Physical Review D, 2016, 94, .	4.7	3
128	Constraints on the running of the running of the scalar tilt from CMB anisotropies and spectral distortions. Physical Review D, 2016, 94, .	4.7	30
129	External pressure-triggering of star formation in a disc galaxy: a template for positive feedback. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4166-4182.	4.4	45
130	ULTRAHIGH-ENERGY COSMIC RAYS AND BLACK HOLE MERGERS. Astrophysical Journal Letters, 2016, 823, L29.	8.3	39
131	Probing the circumgalactic baryons through cross-correlations. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1495-1507.	4.4	7
132	A free-form mass model of the Hubble Frontier Fields cluster AS1063 (RXC J2248.7â^'4431) with over one hundred constraints. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3447-3459.	4.4	38
133	Black hole formation and growth with non-Gaussian primordial density perturbations. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1901-1912.	4.4	17
134	Dispersion in DLA metallicities and deuterium abundances. Proceedings of the International Astronomical Union, 2016, 11, 354-356.	0.0	0
135	Prospects for annihilating dark matter in the inner galactic halo by the Cherenkov Telescope Array. Physical Review D, 2015, 91, .	4.7	38
136	Ruling out thermal dark matter with a black hole induced spiky profile in the M87 galaxy. Physical Review D, 2015, 92, .	4.7	25
137	Monochromatic neutrino lines from sneutrino dark matter. Physical Review D, 2015, 92, .	4.7	8
138	The origin of dispersion in DLA metallicities. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 452, L36-L40.	3.3	25
139	Beyond six parameters: Extending<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:math>. Physical Review D, 2015, 92, .	4.7	83
140	THE COEVOLUTION OF NUCLEAR STAR CLUSTERS, MASSIVE BLACK HOLES, AND THEIR HOST GALAXIES. Astrophysical Journal, 2015, 812, 72.	4.5	140
141	PLAYING WITH POSITIVE FEEDBACK: EXTERNAL PRESSURE-TRIGGERING OF A STAR-FORMING DISK GALAXY. Astrophysical Journal Letters, 2015, 812, L36.	8.3	22
142	Warmth elevating the depths: shallower voids with warm dark matter. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3606-3614.	4.4	40
143	THE CASE FOR SUPERCRITICAL ACCRETION ONTO MASSIVE BLACK HOLES AT HIGH REDSHIFT. Astrophysical Journal, 2015, 804, 148.	4.5	151
144	Detection of a supervoid aligned with the cold spot of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2015, 450, 288-294.	4.4	69

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145	THE IMPRINT OF MASSIVE BLACK HOLE MERGERS ON THE CORRELATION BETWEEN NUCLEAR STAR CLUSTERS AND THEIR HOST GALAXIES. Astrophysical Journal Letters, 2015, 806, L8.	8.3	51
146	Glow in the Dark Matter: Observing Galactic Halos with Scattered Light. Physical Review Letters, 2015, 114, 051303.	7.8	1
147	Gravitational waves as a probe of dark matter minispikes. Physical Review D, 2015, 91, .	4.7	55
148	Detecting the cosmological recombination signal from space. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4460-4470.	4.4	17
149	NEARBY STARS AS GRAVITATIONAL WAVE DETECTORS. Astrophysical Journal, 2015, 807, 135.	4.5	12
150	Black hole evolution â€“ I. Supernova-regulated black hole growth. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1502-1518.	4.4	165
151	Constraining decaying dark matter with neutron stars. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 13-17.	4.1	22
152	The impact of star formation and gamma-ray burst rates at high redshift on cosmic chemical evolution and reionization. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2575-2587.	4.4	82
153	Effect of primordial non-Gaussianities on the far-UV luminosity function of high-redshift galaxies: implications for cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3235-3252.	4.4	10
154	Scientific method: Defend the integrity of physics. Nature, 2014, 516, 321-323.	27.8	156
155	The origin of the galaxy color bimodality. Proceedings of the International Astronomical Union, 2014, 11, 383-389.	0.0	0
156	A model for halo formation with axion mixed dark matter. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2652-2663.	4.4	174
157	HELIOSEISMOLOGY WITH LONG-RANGE DARK MATTER-BARYON INTERACTIONS. Astrophysical Journal, 2014, 795, 162.	4.5	31
158	A PARTICLE DARK MATTER FOOTPRINT ON THE FIRST GENERATION OF STARS. Astrophysical Journal, 2014, 786, 25.	4.5	25
159	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
160	The role of major mergers in the size growth of intermediate-mass spheroids. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1861-1866.	4.4	8
161	Dancing in the dark: galactic properties trace spin swings along the cosmic web. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1453-1468.	4.4	614
162	Age-dating the Tullyâ€“Fisher relation at moderate redshiftâ˜…. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1872-1881.	4.4	4

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163	3D simulations of the early stages of AGN jets: geometry, thermodynamics and backflow. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2903-2916.	4.4	41
164	Cosmological signatures of tilted isocurvature perturbations: reionization and 21cm fluctuations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 001-001.	5.4	20
165	High redshift signatures in the 21 cm forest due to cosmic string wakes. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 013-013.	5.4	3
166	Fitting the Fermi-LAT GeV excess: On the importance of including the propagation of electrons from dark matter. Physical Review D, 2014, 90, .	4.7	67
167	Unraveling the nature of gravity through our clumpy universe. International Journal of Modern Physics D, 2014, 23, 1442025.	2.1	5
168	Probing a dark matter density spike at the Galactic Center. Physical Review D, 2014, 89, .	4.7	19
169	Unbound geodesics from the ergosphere and potential observability of debris from ultrahigh energy particle collisions. Physical Review D, 2014, 90, .	4.7	19
170	Diffuse gamma ray background from annihilating dark matter in density spikes around supermassive black holes. Physical Review D, 2014, 89, .	4.7	12
171	Dark matter contribution to Galactic diffuse gamma ray emission. Physical Review D, 2014, 89, .	4.7	3
172	Constraints on light magnetic dipole dark matter from the ILC and SN 1987A. Physical Review D, 2014, 89, .	4.7	17
173	Effects of dark matter-baryon scattering on redshifted 21Âcm signals. Physical Review D, 2014, 90, .	4.7	88
174	Enhanced line signals from annihilating Kaluza-Klein dark matter. Physical Review D, 2014, 90, .	4.7	13
175	Testing primordial non-Gaussianities on galactic scales at high redshift. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 445, L129-L133.	3.3	6
176	Black hole evolution â€“ II. Spinning black holes in a supernova-driven turbulent interstellar medium. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2333-2346.	4.4	40
177	STELLAR SIGNATURES OF AGN-JET-TRIGGERED STAR FORMATION. Astrophysical Journal, 2014, 796, 113.	4.5	24
178	HELIOSEISMOLOGY AND ASTEROSEISMOLOGY: LOOKING FOR GRAVITATIONAL WAVES IN ACOUSTIC OSCILLATIONS. Astrophysical Journal, 2014, 794, 32.	4.5	16
179	Anisotropy in cosmic rays from internal transitions in neutron stars. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 237-240.	1.6	9
180	Next Steps for Cosmology. Science, 2014, 344, 586-588.	12.6	12

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