

Joe Silk

List of Publications by Year in descending order

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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	Particle dark matter: evidence, candidates and constraints. <i>Physics Reports</i> , 2005, 405, 279-390.	25.6	3,454
2	The origin of dwarf galaxies, cold dark matter, and biased galaxy formation. <i>Astrophysical Journal</i> , 1986, 303, 39.	4.5	1,509
3	In the realm of the Hubble tension—a review of solutions [*] . <i>Classical and Quantum Gravity</i> , 2021, 38, 153001.	4.0	816
4	How Small Were the First Cosmological Objects?. <i>Astrophysical Journal</i> , 1997, 474, 1-12.	4.5	660
5	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	3.7	640
6	Dancing in the dark: galactic properties trace spin swings along the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1453-1468.	4.4	614
7	Cosmic Black-Body Radiation and Galaxy Formation. <i>Astrophysical Journal</i> , 1968, 151, 459.	4.5	604
8	Observational evidence for AGN feedback in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 1415-1431.	4.4	554
9	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
10	Dark Matter Annihilation at the Galactic Center. <i>Physical Review Letters</i> , 1999, 83, 1719-1722.	7.8	489
11	On the fragmentation of cosmic gas clouds. I - The formation of galaxies and the first generation of stars. <i>Astrophysical Journal</i> , 1977, 211, 638.	4.5	418
12	Kerr Black Holes as Particle Accelerators to Arbitrarily High Energy. <i>Physical Review Letters</i> , 2009, 103, 111102.	7.8	406
13	Massive Neutrinos and the Large-Scale Structure of the Universe. <i>Physical Review Letters</i> , 1980, 45, 1980-1984.	7.8	387
14	MeV Dark Matter: Has It Been Detected?. <i>Physical Review Letters</i> , 2004, 92, 101301.	7.8	369
15	Planck evidence for a closed Universe and a possible crisis for cosmology. <i>Nature Astronomy</i> , 2020, 4, 196-203.	10.1	363
16	The photino, the sun, and high-energy neutrinos. <i>Physical Review Letters</i> , 1985, 55, 257-259.	7.8	351
17	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	6.7	350
18	The role of black holes in galaxy formation and evolution. <i>Nature</i> , 2009, 460, 213-219.	27.8	295

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19	Cosmic-Ray Antiprotons as a Probe of a Photino-Dominated Universe. <i>Physical Review Letters</i> , 1984, 53, 624-627.	7.8	292
20	Reconciling Planck with the local value of H ₀ in extended parameter space. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 761, 242-246.	4.1	279
21	Constraints on a Primordial Magnetic Field. <i>Physical Review Letters</i> , 1997, 78, 3610-3613.	7.8	266
22	The physics of microwave background anisotropies. <i>Nature</i> , 1997, 386, 37-43.	27.8	264
23	Feedback, Disk Self-Regulation, and Galaxy Formation. <i>Astrophysical Journal</i> , 1997, 481, 703-709.	4.5	255
24	Clumpy molecular clouds - A dynamic model self-consistently regulated by T Tauri star formation. <i>Astrophysical Journal</i> , 1980, 238, 158.	4.5	248
25	THE <i>HUBBLE SPACE TELESCOPE</i> WIDE FIELD CAMERA 3 EARLY RELEASE SCIENCE DATA: PANCHROMATIC FAINT OBJECT COUNTS FOR 0.2-2 μ m WAVELENGTH. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 27.	7.7	247
26	Baryon isocurvature fluctuations at small scales and baryonic dark matter. <i>Physical Review D</i> , 1993, 47, 4244-4255.	4.7	239
27	Environment and self-regulation in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	239
28	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , 2021, 131, 102605.	4.3	228
29	A Simple Model for the Size Evolution of Elliptical Galaxies. <i>Astrophysical Journal</i> , 2006, 648, L21-L24.	4.5	225
30	Anisotropies in the Cosmic Microwave Background. <i>Annual Review of Astronomy and Astrophysics</i> , 1994, 32, 319-370.	24.3	218
31	The current status of galaxy formation. <i>Research in Astronomy and Astrophysics</i> , 2012, 12, 917-946.	1.7	208
32	AGN-driven quenching of star formation: morphological and dynamical implications for early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3297-3313.	4.4	201
33	Jet-induced star formation in gas-rich galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 438-449.	4.4	197
34	Thermalization constraints and spectral distortions for massive unstable relic particles. <i>Physical Review Letters</i> , 1993, 70, 2661-2664.	7.8	190
35	Thermalization and spectral distortions of the cosmic background radiation. <i>Physical Review D</i> , 1993, 48, 485-502.	4.7	186
36	UNLEASHING POSITIVE FEEDBACK: LINKING THE RATES OF STAR FORMATION, SUPERMASSIVE BLACK HOLE ACCRETION, AND OUTFLOWS IN DISTANT GALAXIES. <i>Astrophysical Journal</i> , 2013, 772, 112.	4.5	184

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37	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
38	Double inflation. Physical Review D, 1987, 35, 419-428.	4.7	178
39	A model for halo formation with axion mixed dark matter. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2652-2663.	4.4	174
40	Primordial black holes as generators of cosmic structures. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3756-3775.	4.4	169
41	Black hole evolution – I. Supernova-regulated black hole growth. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1502-1518.	4.4	165
42	Power spectrum constraints from spectral distortions in the cosmic microwave background. Astrophysical Journal, 1994, 430, L5.	4.5	160
43	Stochastic gravitational waves associated with the formation of primordial black holes. Physical Review D, 2017, 95, .	4.7	158
44	Scientific method: Defend the integrity of physics. Nature, 2014, 516, 321-323.	27.8	156
45	Light and heavy dark matter particles. Physical Review D, 2004, 69, .	4.7	155
46	Gravitational instability and disk star formation. Astrophysical Journal, 1994, 427, 759.	4.5	155
47	THE CASE FOR SUPERCRITICAL ACCRETION ONTO MASSIVE BLACK HOLES AT HIGH REDSHIFT. Astrophysical Journal, 2015, 804, 148.	4.5	151
48	On the anisotropy of the cosmological background matter and radiation distribution. I - The radiation anisotropy in a spatially flat universe. Astrophysical Journal, 1981, 243, 14.	4.5	151
49	Galaxy Zoo: the fraction of merging galaxies in the SDSS and their morphologies. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1043-1056.	4.4	150
50	Galaxy Zoo: the properties of merging galaxies in the nearby Universe - local environments, colours, masses, star formation rates and AGN activity. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1552-1563.	4.4	150
51	High-energy neutrinos from the sun and cold dark matter. Nuclear Physics B, 1987, 279, 804-823.	2.5	149
52	Constraining dark energy dynamics in extended parameter space. Physical Review D, 2017, 96, .	4.7	149
53	Observables sensitive to absolute neutrino masses. II. Physical Review D, 2008, 78, .	4.7	148
54	Local Voids as the Origin of Large-Angle Cosmic Microwave Background Anomalies. I.. Astrophysical Journal, 2006, 648, 23-30.	4.5	142

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55	Can the WIMP annihilation boost factor be boosted by the Sommerfeld enhancement?. <i>Physical Review D</i> , 2009, 79, .	4.7	140
56	THE COEVOLUTION OF NUCLEAR STAR CLUSTERS, MASSIVE BLACK HOLES, AND THEIR HOST GALAXIES. <i>Astrophysical Journal</i> , 2015, 812, 72.	4.5	140
57	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	5.4	138
58	Relativistic jet feedback “ III. Feedback on gas discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5544-5566.	4.4	138
59	Extracting Primordial Density Fluctuations. <i>Science</i> , 1998, 280, 1405-1411.	12.6	135
60	New signature of dark matter annihilations: Gamma rays from intermediate-mass black holes. <i>Physical Review D</i> , 2005, 72, .	4.7	132
61	Star formation rates and abundance gradients in disk galaxies. <i>Astrophysical Journal</i> , 1989, 339, 700.	4.5	131
62	Towards simulating star formation in the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 737-752.	4.4	130
63	Fine-scale anisotropy of the cosmic microwave background in a universe dominated by cold dark matter. <i>Astrophysical Journal</i> , 1984, 285, L39.	4.5	130
64	Cosmic Strings and Galaxy Formation. <i>Physical Review Letters</i> , 1984, 53, 1700-1703.	7.8	129
65	The role of minor mergers in the recent star formation history of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 1713-1720.	4.4	128
66	Pregalactic Black Hole Formation with an Atomic Hydrogen Equation of State. <i>Astrophysical Journal</i> , 2006, 652, 902-906.	4.5	125
67	The First Generation of Stars: First Steps toward Chemical Evolution of Galaxies. <i>Astrophysical Journal</i> , 1995, 451, .	4.5	121
68	Can annihilating dark matter be lighter than a few GeVs?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, 279-285.	3.6	119
69	Ultraluminous starbursts from supermassive black hole-induced outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 1337-1342.	4.4	117
70	THE LUMINOSITY, MASS, AND AGE DISTRIBUTIONS OF COMPACT STAR CLUSTERS IN M83 BASED ON HUBBLE SPACE TELESCOPE/WIDE FIELD CAMERA 3 OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 719, 966-978.	4.5	117
71	Reionization and cosmic microwave background distortions: A complete treatment of second-order Compton scattering. <i>Physical Review D</i> , 1994, 49, 648-670.	4.7	116
72	The clumpiness of cold dark matter: implications for the annihilation signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 339, 505-514.	4.4	115

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73	The determination of Q_{00} using X-ray and microwave observations of galaxy clusters. <i>Astrophysical Journal</i> , 1978, 226, L103.	4.5	115
74	Constraining the window on sterile neutrinos as warm dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 333, 544-546.	4.4	114
75	On the fragmentation of cosmic gas clouds. II - Opacity-limited star formation. <i>Astrophysical Journal</i> , 1977, 214, 152.	4.5	113
76	The origin of magnetic fields and primordial stars in protogalaxies. <i>Astrophysical Journal</i> , 1989, 342, 650.	4.5	112
77	On the origin of stars in bulges and elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 902-910.	4.4	111
78	Constraints on cosmologically regenerated gravitinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 158, 463-467.	4.1	110
79	Black hole evolution III. Statistical properties of mass growth and spin evolution using large-scale hydrodynamical cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1590-1606.	4.4	109
80	Fluctuations in the Primordial Fireball. <i>Nature</i> , 1967, 215, 1155-1156.	27.8	108
81	How Anisotropic is Our Universe?. <i>Physical Review Letters</i> , 1996, 77, 2883-2886.	7.8	108
82	The UV properties of E+A galaxies: constraints on feedback-driven quenching of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 382, 960-970.	4.4	107
83	AGN Feedback Causes Downsizing. <i>Astrophysical Journal</i> , 2005, 635, L13-L16.	4.5	106
84	From Microwave Anisotropies to Cosmology. <i>Science</i> , 1995, 268, 829-835.	12.6	104
85	Cosmic ray constraints on the annihilations of relic particles in the galactic halo. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 214, 403-412.	4.1	102
86	Density profile of dark matter haloes and galaxies in the horizon-agn simulation: the impact of AGN feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2153-2169.	4.4	102
87	Clumpy cold dark matter. <i>Astrophysical Journal</i> , 1993, 411, 439.	4.5	102
88	Tidally triggered galaxy formation. I - Evolution of the galaxy luminosity function. <i>Astrophysical Journal</i> , 1991, 381, 14.	4.5	101
89	Microwave background anisotropy in a toroidal universe. <i>Physical Review Letters</i> , 1993, 71, 20-23.	7.8	100
90	Observables sensitive to absolute neutrino masses: Constraints and correlations from world neutrino data. <i>Physical Review D</i> , 2004, 70, .	4.7	99

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91	Emergent flux from particle collisions near a Kerr black hole. <i>Physical Review D</i> , 2011, 83, .	4.7	98
92	Blowing cold flows away: the impact of early AGN activity on the formation of a brightest cluster galaxy progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2885-2900.	4.4	97
93	Investigating Cosmic Discordance. <i>Astrophysical Journal Letters</i> , 2021, 908, L9.	8.3	96
94	A coincidence of disturbed morphology and blue UV colour: minor-merger-driven star formation in early-type galaxies at $z \approx 0.6$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 2148-2160.	4.4	95
95	Cosmic string wakes. <i>Astrophysical Journal</i> , 1987, 322, 1.	4.5	92
96	Observables sensitive to absolute neutrino masses: A reappraisal after WMAP 3-year and first MINOS results. <i>Physical Review D</i> , 2007, 75, .	4.7	90
97	Local Voids as the Origin of Large-Angle Cosmic Microwave Background Anomalies: The Effect of a Cosmological Constant. <i>Astrophysical Journal</i> , 2007, 664, 650-659.	4.5	90
98	STAR FORMATION IN 30 DORADUS. <i>Astrophysical Journal</i> , 2011, 739, 27.	4.5	89
99	Thermal-Bremsstrahlung Interpretation of Cluster X-Ray Sources. <i>Astrophysical Journal</i> , 1973, 184, L105.	4.5	89
100	A late-time transition in the cosmic dark energy?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 336, 1217-1222.	4.4	88
101	Searching for dark matter with future cosmic positron experiments. <i>Physical Review D</i> , 2005, 71, .	4.7	88
102	Effects of dark matter-baryon scattering on redshifted 21cm signals. <i>Physical Review D</i> , 2014, 90, .	4.7	88
103	Metallicity-constrained merger rates of binary black holes and the stochastic gravitational wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3877-3885.	4.4	88
104	The growth of aspherical structure in the universe - Is the Local Supercluster an unusual system. <i>Astrophysical Journal</i> , 1979, 231, 1.	4.5	88
105	The dark matter problem in disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 471-474.	4.4	87
106	THE MASSIVE-BLACK-HOLE VELOCITY-DISPERSION RELATION AND THE HALO BARYON FRACTION: A CASE FOR POSITIVE ACTIVE GALACTIC NUCLEUS FEEDBACK. <i>Astrophysical Journal</i> , 2010, 725, 556-560.	4.5	87
107	Dark Matter, Neutron Stars, and Strange Quark Matter. <i>Physical Review Letters</i> , 2010, 105, 141101.	7.8	87
108	Colors and K&B- Band Counts of Extremely Faint Field Galaxies,. <i>Astrophysical Journal</i> , 1997, 475, 445-456.	4.5	87

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109	Star Formation and Chemical Evolution in the Milky Way: Cosmological Implications. <i>Astrophysical Journal</i> , 1998, 507, 229-240.	4.5	86
110	Detection of neutralino annihilation photons from external galaxies. <i>Physical Review D</i> , 1999, 61, .	4.7	86
111	The Polytropic Equation of State of Interstellar Gas Clouds. <i>Astrophysical Journal</i> , 2000, 538, 115-120.	4.5	86
112	Probing the theory of gravity with gravitational lensing of gravitational waves and galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1956-1970.	4.4	85
113	Star Formationâ€“Regulated Growth of Black Holes in Protogalactic Spheroids. <i>Astrophysical Journal</i> , 2001, 554, L151-L154.	4.5	84
114	The impact of an extra background of relativistic particles on the cosmological parameters derived from the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 334, 760-768.	4.4	84
115	Beyond six parameters: Extending Λ CDM. <i>Physical Review D</i> , 2015, 92, .	4.7	83
116	Cosmological constraints in extended parameter space from the Planck 2018 Legacy release. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013.	5.4	83
117	Isotropic wavelets: a powerful tool to extract point sources from cosmic microwave background maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 757-761.	4.4	82
118	New constraints on modified Newtonian dynamics from galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 654-658.	4.4	82
119	The impact of star formation and gamma-ray burst rates at high redshift on cosmic chemical evolution and reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2575-2587.	4.4	82
120	Interstellar bullets - H2O masers and Herbig-Haro objects. <i>Astrophysical Journal</i> , 1979, 228, 197.	4.5	82
121	Planck pre-launch status: The Planck-LFI programme. <i>Astronomy and Astrophysics</i> , 2010, 520, A3.	5.1	81
122	Feedback by Massive Black Holes in Gas-rich Dwarf Galaxies. <i>Astrophysical Journal Letters</i> , 2017, 839, L13.	8.3	81
123	On the origin of dwarf galaxies. <i>Astrophysical Journal</i> , 1987, 322, L59.	4.5	81
124	USING H α MORPHOLOGY AND SURFACE BRIGHTNESS FLUCTUATIONS TO AGE-DATE STAR CLUSTERS IN M83. <i>Astrophysical Journal</i> , 2011, 729, 78.	4.5	80
125	The first stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1983, 205, 705-718.	4.4	79
126	$\tilde{\chi}^0$ -ray lines as a probe for a cold-dark-matter halo. <i>Physical Review D</i> , 1989, 40, 3168-3186.	4.7	78

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127	Dissipational galaxy formation - Confrontation with observations. <i>Astrophysical Journal</i> , 1981, 247, 59.	4.5	78
128	Electric charge asymmetry of the Universe and magnetic field generation. <i>Physical Review D</i> , 1993, 47, 3144-3150.	4.7	77
129	Massive black hole remnants of the first stars in galactic haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 340, 647-656.	4.4	77
130	Population III and the near-infrared background excess. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 359, L37-L41.	3.3	77
131	Baryonic Dark Halos: A Cold Gas Component?. <i>Astrophysical Journal</i> , 1996, 472, 34-45.	4.5	77
132	Merger histories in warm dark matter structure formation scenarios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, 813-828.	4.4	76
133	Annihilation radiation from a dark matter spike at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 337, 98-102.	4.4	76
134	The UV colours of high-redshift early-type galaxies: evidence for recent star formation and stellar mass assembly over the last 8 billion years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 67-79.	4.4	76
135	The galaxy power spectrum take on spatial curvature and cosmic concordance. <i>Physics of the Dark Universe</i> , 2021, 33, 100851.	4.9	76
136	Constraints on $\langle C \rangle \langle P \rangle \langle T \rangle$ violation from Wilkinson Microwave Anisotropy Probe three year polarization data: A wavelet analysis. <i>Physical Review D</i> , 2007, 76, .	4.7	75
137	A new prescription for protogalactic feedback and outflows: where have all the baryons gone?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 249-254.	4.4	73
138	DESTRUCTION OF MOLECULAR GAS RESERVOIRS IN EARLY-TYPE GALAXIES BY ACTIVE GALACTIC NUCLEUS FEEDBACK. <i>Astrophysical Journal</i> , 2009, 690, 1672-1680.	4.5	73
139	Secondary anisotropies of the CMB. <i>Reports on Progress in Physics</i> , 2008, 71, 066902.	20.1	72
140	New Probe of Dark-Matter Properties: Gravitational Waves from an Intermediate-Mass Black Hole Embedded in a Dark-Matter Minispike. <i>Physical Review Letters</i> , 2013, 110, 221101.	7.8	72
141	Limits on primordial black holes from $\frac{1}{4}$ distortions in cosmic microwave background. <i>Physical Review D</i> , 2018, 97, .	4.7	72
142	A VLT spectroscopic survey of RXJ0152.7-1357, a forming cluster of galaxies $z = 0.837$. <i>Astronomy and Astrophysics</i> , 2005, 432, 381-394.	5.1	72
143	Tidally triggered galaxy formation. II - Galaxy number counts. <i>Astrophysical Journal</i> , 1993, 402, 15.	4.5	72
144	Primordial black holes and secondary gravitational waves from ultraslow roll and punctuated inflation. <i>Physical Review D</i> , 2021, 103, .	4.7	71

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145	Anisotropies in the microwave sky due to nonlinear structures. <i>Astrophysical Journal</i> , 1990, 355, L5.	4.5	71
146	Cosmic quarkonium: A probe of dark matter. <i>Physical Review Letters</i> , 1986, 56, 263-265.	7.8	70
147	Detection of a supervoid aligned with the cold spot of the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 288-294.	4.4	69
148	How Young are Early-type Cluster Galaxies? Quantifying the Young Stellar Component in a Rich Cluster at $z=0.41$. <i>Astrophysical Journal</i> , 2000, 541, L37-L40.	4.5	69
149	Dry mergers: a crucial test for galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 506-510.	4.4	68
150	Repeated mergers and ejection of black holes within nuclear star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4591-4604.	4.4	68
151	New horizons in cosmology with spectral distortions of the cosmic microwave background. <i>Experimental Astronomy</i> , 2021, 51, 1515-1554.	3.7	68
152	Fitting the Fermi-LAT GeV excess: On the importance of including the propagation of electrons from dark matter. <i>Physical Review D</i> , 2014, 90, .	4.7	67
153	The Age and Metallicity Range of Early-type Galaxies in Clusters. <i>Astrophysical Journal</i> , 1999, 521, 81-89.	4.5	66
154	Astrophysical limits on massive dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 326, 799-804.	4.4	66
155	Tidal dwarf galaxies in the nearby Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 70-79.	4.4	66
156	Outflows driven by quasars in high-redshift galaxies with radiation hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1854-1873.	4.4	66
157	A theory for the initial mass function. <i>Astrophysical Journal</i> , 1995, 438, L41.	4.5	66
158	GLOBAL STAR FORMATION REVISITED. <i>Astrophysical Journal</i> , 2009, 700, 262-275.	4.5	64
159	Cosmic Star Formation, Reionization, and Constraints on Global Chemical Evolution. <i>Astrophysical Journal</i> , 2004, 617, 693-706.	4.5	63
160	Exploring Dark Matter with Milky Way Substructure. <i>Science</i> , 2009, 325, 970-973.	12.6	63
161	Lyman-alpha clouds as a relic of primordial density fluctuations. <i>Astrophysical Journal</i> , 1988, 324, 627.	4.5	63
162	On the inevitability of reionization: Implications for cosmic microwave background fluctuations. <i>Astrophysical Journal</i> , 1994, 420, 484.	4.5	63

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163	PROGRESSIVE STAR FORMATION IN THE YOUNG GALACTIC SUPER STAR CLUSTER NGC 3603. <i>Astrophysical Journal</i> , 2010, 720, 1108-1117.	4.5	62
164	Quark flavours and the $\hat{\beta}$ -ray spectrum from halo dark matter annihilations. <i>Nuclear Physics B</i> , 1990, 346, 129-148.	2.5	61
165	Galaxy Mergers at $z \sim 1$ in the HUDF: Evidence for a Peak in the Major Merger Rate of Massive Galaxies. <i>Astrophysical Journal</i> , 2008, 678, 751-757.	4.5	61
166	Possible Evidence for MeV Dark Matter in Dwarf Spheroidals. <i>Physical Review Letters</i> , 2004, 93, 161302.	7.8	60
167	SUPERNOVA REMNANTS AND THE INTERSTELLAR MEDIUM OF M83: IMAGING AND PHOTOMETRY WITH THE WIDE FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 964-978.	4.5	60
168	Constraining Primordial Non-Gaussianity with the Abundance of High-Redshift Clusters. <i>Astrophysical Journal</i> , 2000, 532, 1-16.	4.5	60
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