

J S Bullock

List of Publications by Year in descending order

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225
papers

32,784
citations

4370

86
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3815

178
g-index

225
all docs

225
docs citations

225
times ranked

10748
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiles of dark haloes: evolution, scatter and environment. Monthly Notices of the Royal Astronomical Society, 2001, 321, 559-575.	1.6	1,885
2	LSST: From Science Drivers to Reference Design and Anticipated Data Products. Astrophysical Journal, 2019, 873, 111.	1.6	1,744
3	Too big to fail? The puzzling darkness of massive Milky Way subhaloes. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 415, L40-L44.	1.2	1,081
4	Galaxies on FIRE (Feedback In Realistic Environments): stellar feedback explains cosmologically inefficient star formation. Monthly Notices of the Royal Astronomical Society, 2014, 445, 581-603.	1.6	1,068
5	Concentrations of Dark Halos from Their Assembly Histories. Astrophysical Journal, 2002, 568, 52-70.	1.6	953
6	Small-Scale Challenges to the Λ CDM Paradigm. Annual Review of Astronomy and Astrophysics, 2017, 55, 343-387.	8.1	921
7	Tracing Galaxy Formation with Stellar Halos. I. Methods. Astrophysical Journal, 2005, 635, 931-949.	1.6	824
8	Reionization and the Abundance of Galactic Satellites. Astrophysical Journal, 2000, 539, 517-521.	1.6	716
9	A Universal Angular Momentum Profile for Galactic Halos. Astrophysical Journal, 2001, 555, 240-257.	1.6	713
10	FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863.	1.6	676
11	The Milky Way's bright satellites as an apparent failure of Λ CDM. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1203-1218.	1.6	608
12	THE UNIVERSAL STELLAR MASS-STELLAR METALLICITY RELATION FOR DWARF GALAXIES. Astrophysical Journal, 2013, 779, 102.	1.6	563
13	Cosmological simulations with self-interacting dark matter "I. Constant-density cores and substructure. Monthly Notices of the Royal Astronomical Society, 2013, 430, 81-104.	1.6	555
14	The shape of dark matter haloes: dependence on mass, redshift, radius and formation. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1781-1796.	1.6	450
15	A Merger-driven Scenario for Cosmological Disk Galaxy Formation. Astrophysical Journal, 2006, 645, 986-1000.	1.6	443
16	The Frontier Fields: Survey Design and Initial Results. Astrophysical Journal, 2017, 837, 97.	1.6	433
17	The Dependence of Halo Clustering on Halo Formation History, Concentration, and Occupation. Astrophysical Journal, 2006, 652, 71-84.	1.6	430
18	A common mass scale for satellite galaxies of the Milky Way. Nature, 2008, 454, 1096-1097.	13.7	424

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19	Multiphase galaxy formation: high-velocity clouds and the missing baryon problem. Monthly Notices of the Royal Astronomical Society, 2004, 355, 694-712.	1.6	389
20	Resolving the Structure of Cold Dark Matter Halos. Astrophysical Journal, 2001, 554, 903-915.	1.6	384
21	Cosmological simulations with self-interacting dark matter – II. Halo shapes versus observations. Monthly Notices of the Royal Astronomical Society, 2013, 430, 105-120.	1.6	371
22	The Accretion Origin of the Milky Way’s Stellar Halo. Astrophysical Journal, 2008, 680, 295-311.	1.6	359
23	Halo Substructure and the Power Spectrum. Astrophysical Journal, 2003, 598, 49-72.	1.6	345
24	Accurate masses for dispersion-supported galaxies. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	337
25	Hundreds of Milky Way Satellites? Luminosity Bias in the Satellite Luminosity Function. Astrophysical Journal, 2008, 688, 277-289.	1.6	329
26	Tracing Galaxy Formation with Stellar Halos. II. Relating Substructure in Phase and Abundance Space to Accretion Histories. Astrophysical Journal, 2008, 689, 936-957.	1.6	317
27	THE MOSFIRE DEEP EVOLUTION FIELD (MOSDEF) SURVEY: REST-FRAME OPTICAL SPECTROSCOPY FOR $\sim 1/4$ 1500 $\langle i \rangle_H \langle j \rangle$ -SELECTED GALAXIES AT $1.37 \leq z \leq 3.8$. Astrophysical Journal, Supplement Series, 2015, 218, 15.	3.0	312
28	The Physics of Galaxy Clustering. I. A Model for Subhalo Populations. Astrophysical Journal, 2005, 624, 505-525.	1.6	300
29	The Cores of Dark Matter–Dominated Galaxies: Theory versus Observations. Astrophysical Journal, 1998, 502, 48-58.	1.6	294
30	Forged in fire: cusps, cores and baryons in low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2092-2106.	1.6	291
31	The Origin of Angular Momentum in Dark Matter Halos. Astrophysical Journal, 2002, 581, 799-809.	1.6	290
32	Cold dark matter: Controversies on small scales. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12249-12255.	3.3	286
33	ELVIS: Exploring the Local Volume in Simulations. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2578-2596.	1.6	269
34	Cold Dark Matter Substructure and Galactic Disks. I. Morphological Signatures of Hierarchical Satellite Accretion. Astrophysical Journal, 2008, 688, 254-276.	1.6	257
35	Hierarchical Galaxy Formation and Substructure in the Galaxy’s Stellar Halo. Astrophysical Journal, 2001, 548, 33-46.	1.6	256
36	Massive black hole seeds from low angular momentum material. Monthly Notices of the Royal Astronomical Society, 2004, 354, 292-304.	1.6	246

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37	A COMPLETE SPECTROSCOPIC SURVEY OF THE MILKY WAY SATELLITE SEGUE 1: THE DARKEST GALAXY. <i>Astrophysical Journal</i> , 2011, 733, 46.	1.6	244
38	OBSERVATIONS OF MILKY WAY DWARF SPHEROIDAL GALAXIES WITH THE <i>FERMI</i> -LARGE AREA TELESCOPE DETECTOR AND CONSTRAINTS ON DARK MATTER MODELS. <i>Astrophysical Journal</i> , 2010, 712, 147-158.	1.6	243
39	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1709-1727.	1.6	242
40	Core formation in dwarf haloes with self-interacting dark matter: no fine-tuning necessary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 29-37.	1.6	225
41	Shredded Galaxies as the Source of Diffuse Intrahalo Light on Varying Scales. <i>Astrophysical Journal</i> , 2007, 666, 20-33.	1.6	206
42	Merger Histories of Galaxy Halos and Implications for Disk Survival. <i>Astrophysical Journal</i> , 2008, 683, 597-610.	1.6	206
43	A Chandra View of Dark Matter in Early-Type Galaxies. <i>Astrophysical Journal</i> , 2006, 646, 899-918.	1.6	201
44	Too big to fail in the Local Group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 222-236.	1.6	200
45	The Sagittarius impact as an architect of spirality and outer rings in the Milky Way. <i>Nature</i> , 2011, 477, 301-303.	13.7	193
46	Λ Cold Dark Matter, Stellar Feedback, and the Galactic Halo Abundance Pattern. <i>Astrophysical Journal</i> , 2005, 632, 872-881.	1.6	189
47	Redefining the Missing Satellites Problem. <i>Astrophysical Journal</i> , 2007, 669, 676-683.	1.6	185
48	Vertical density waves in the Milky Way disc induced by the Sagittarius dwarf galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 159-164.	1.6	182
49	THE GHOSTS SURVEY. I. <i>HUBBLE SPACE TELESCOPE</i> ADVANCED CAMERA FOR SURVEYS DATA. <i>Astrophysical Journal, Supplement Series</i> , 2011, 195, 18.	3.0	180
50	fire in the field: simulating the threshold of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3547-3562.	1.6	173
51	THE SPACE MOTION OF LEO I: THE MASS OF THE MILKY WAY'S DARK MATTER HALO. <i>Astrophysical Journal</i> , 2013, 768, 140.	1.6	167
52	Chemical Abundance Distributions of Galactic Halos and Their Satellite Systems in a Λ CDM Universe. <i>Astrophysical Journal</i> , 2006, 638, 585-595.	1.6	166
53	Precise constraints on the dark matter content of Milky Way dwarf galaxies for gamma-ray experiments. <i>Physical Review D</i> , 2007, 75, .	1.6	157
54	ORBITING CIRCUMGALACTIC GAS AS A SIGNATURE OF COSMOLOGICAL ACCRETION. <i>Astrophysical Journal</i> , 2011, 738, 39.	1.6	154

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55	The Most Dark Matter-dominated Galaxies: Predicted Gamma-Ray Signals from the Faintest Milky Way Dwarfs. <i>Astrophysical Journal</i> , 2008, 678, 614-620.	1.6	151
56	THE SPLASH SURVEY: SPECTROSCOPY OF 15 M31 DWARF SPHEROIDAL SATELLITE GALAXIES. <i>Astrophysical Journal</i> , 2012, 752, 45.	1.6	151
57	Probing the Dark Matter and Gas Fraction in Relaxed Galaxy Groups with X-Ray Observations from <i>Chandra</i> and <i>XMM-Newton</i> . <i>Astrophysical Journal</i> , 2007, 669, 158-183.	1.6	141
58	Can feedback solve the too-big-to-fail problem?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3539-3546.	1.6	141
59	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4447-4463.	1.6	139
60	ANGULAR MOMENTUM ACQUISITION IN GALAXY HALOS. <i>Astrophysical Journal</i> , 2013, 769, 74.	1.6	138
61	The dynamics of isolated Local Group galaxies... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1015-1027.	1.6	138
62	The Local Group on FIRE: dwarf galaxy populations across a suite of hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1380-1399.	1.6	137
63	The X-Ray Concentration-Virial Mass Relation. <i>Astrophysical Journal</i> , 2007, 664, 123-134.	1.6	128
64	Non-Gaussian fluctuations and primordial black holes from inflation. <i>Physical Review D</i> , 1997, 55, 7423-7439.	1.6	127
65	Galaxy halo occupation at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, 246-256.	1.6	127
66	THE ASSEMBLY OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2009, 690, 1292-1302.	1.6	125
67	QUANTIFYING KINEMATIC SUBSTRUCTURE IN THE MILKY WAY'S STELLAR HALO. <i>Astrophysical Journal</i> , 2011, 738, 79.	1.6	125
68	Sweating the small stuff: simulating dwarf galaxies, ultra-faint dwarf galaxies, and their own tiny satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1305-1316.	1.6	124
69	COLD DARK MATTER SUBSTRUCTURE AND GALACTIC DISKS. II. DYNAMICAL EFFECTS OF HIERARCHICAL SATELLITE ACCRETION. <i>Astrophysical Journal</i> , 2009, 700, 1896-1920.	1.6	123
70	SEGUE 2: THE LEAST MASSIVE GALAXY. <i>Astrophysical Journal</i> , 2013, 770, 16.	1.6	120
71	Indirect Dark Matter detection from Dwarf satellites: joint expectations from astrophysics and supersymmetry. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 014-014.	1.9	113
72	SMALL-SCALE STRUCTURE IN THE SLOAN DIGITAL SKY SURVEY AND Λ CDM: ISOLATED GALAXIES WITH BRIGHT SATELLITES. <i>Astrophysical Journal</i> , 2011, 738, 102.	1.6	111

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73	GALAXY MERGERS AND DARK MATTER HALO MERGERS IN Λ CDM: MASS, REDSHIFT, AND MASS-RATIO DEPENDENCE. <i>Astrophysical Journal</i> , 2009, 702, 1005-1015.	1.6	107
74	GAS-RICH MERGERS IN LCDM: DISK SURVIVABILITY AND THE BARYONIC ASSEMBLY OF GALAXIES. <i>Astrophysical Journal</i> , 2009, 702, 307-317.	1.6	106
75	How to zoom: bias, contamination and Lagrange volumes in multimass cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1894-1908.	1.6	105
76	ON THE HOT GAS CONTENT OF THE MILKY WAY HALO. <i>Astrophysical Journal</i> , 2013, 762, 20.	1.6	103
77	THE SPACE MOTION OF LEO I: HUBBLE SPACE TELESCOPE PROPER MOTION AND IMPLIED ORBIT. <i>Astrophysical Journal</i> , 2013, 768, 139.	1.6	102
78	Taking care of business in a flash : constraining the time-scale for low-mass satellite quenching with ELVIS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2039-2049.	1.6	102
79	Infall times for Milky Way satellites from their present-day kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 231-244.	1.6	101
80	Phase-Space Distributions of Chemical Abundances in Milky Way-Type Galaxy Halos. <i>Astrophysical Journal</i> , 2006, 646, 886-898.	1.6	100
81	Organized chaos: scatter in the relation between stellar mass and halo mass in small galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3108-3120.	1.6	96
82	The surprising inefficiency of dwarf satellite quenching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1396-1404.	1.6	92
83	Inflation, cold dark matter, and the central density problem. <i>Physical Review D</i> , 2002, 66, .	1.6	91
84	GLOBAL PROPERTIES OF M31'S STELLAR HALO FROM THE SPLASH SURVEY. I. SURFACE BRIGHTNESS PROFILE. <i>Astrophysical Journal</i> , 2012, 760, 76.	1.6	91
85	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4133-4157.	1.6	91
86	Interpreting Debris from Satellite Disruption in External Galaxies. <i>Astrophysical Journal</i> , 2001, 557, 137-149.	1.6	88
87	Dark Matter Properties and Halo Central Densities. <i>Astrophysical Journal</i> , 2002, 572, 34-40.	1.6	87
88	THE DARK DISK OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2009, 703, 2275-2284.	1.6	87
89	M31 satellite masses compared to Λ CDM subhaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 3511-3519.	1.6	87
90	Under pressure: quenching star formation in low-mass satellite galaxies via stripping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1916-1928.	1.6	87

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91	Close Galaxy Counts as a Probe of Hierarchical Structure Formation. <i>Astrophysical Journal</i> , 2006, 652, 56-70.	1.6	85
92	Discovery of Andromeda XIV: A Dwarf Spheroidal Dynamical Rogue in the Local Group?. <i>Astrophysical Journal</i> , 2007, 670, L9-L12.	1.6	83
93	Star formation histories of dwarf galaxies in the FIRE simulations: dependence on mass and Local Group environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4574-4588.	1.6	83
94	Phat ELVIS: The inevitable effect of the Milky Way's disc on its dark matter subhaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4409-4423.	1.6	82
95	The no-spin zone: rotation versus dispersion support in observed and simulated dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2420-2431.	1.6	80
96	High-Redshift Galaxy Kinematics: Constraints on Models of Disk Formation. <i>Astrophysical Journal</i> , 2008, 685, L27-L30.	1.6	79
97	A Large Dark Matter Core in the Fornax Dwarf Spheroidal Galaxy?. <i>Astrophysical Journal</i> , 2006, 652, 306-312.	1.6	78
98	STELLAR KINEMATICS OF THE ANDROMEDA II DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2012, 758, 124.	1.6	78
99	A profile in FIRE: resolving the radial distributions of satellite galaxies in the Local Group with simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1471-1490.	1.6	77
100	Probing galaxy formation with TeV gamma ray absorption. <i>Astroparticle Physics</i> , 1999, 11, 93-102.	1.9	76
101	OBSERVING THE END OF COLD FLOW ACCRETION USING HALO ABSORPTION SYSTEMS. <i>Astrophysical Journal Letters</i> , 2011, 735, L1.	3.0	74
102	A COMPLETE SPECTROSCOPIC SURVEY OF THE MILKY WAY SATELLITE SEGUE 1: DARK MATTER CONTENT, STELLAR MEMBERSHIP, AND BINARY PROPERTIES FROM A BAYESIAN ANALYSIS. <i>Astrophysical Journal</i> , 2011, 738, 55.	1.6	74
103	High Angular Momentum Halo Gas: A Feedback and Code-independent Prediction of LCDM. <i>Astrophysical Journal</i> , 2017, 843, 47.	1.6	74
104	Isolating Triggered Star Formation. <i>Astrophysical Journal</i> , 2007, 671, 1538-1549.	1.6	74
105	The Epoch of Reionization in Models with Reduced Small-Scale Power. <i>Astrophysical Journal</i> , 2003, 593, 616-621.	1.6	73
106	Constraining Dark Matter Halo Profiles and Galaxy Formation Models Using Spiral Arm Morphology. I. Method Outline. <i>Astrophysical Journal</i> , 2006, 645, 1012-1023.	1.6	73
107	THE DESTRUCTION OF THIN STELLAR DISKS VIA COSMOLOGICALLY COMMON SATELLITE ACCRETION EVENTS. <i>Astrophysical Journal</i> , 2009, 694, L98-L102.	1.6	71
108	A dark matter profile to model diverse feedback-induced core sizes of Λ -CDM haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2393-2417.	1.6	71

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109	GLOBAL PROPERTIES OF M31'S STELLAR HALO FROM THE SPLASH SURVEY. II. METALLICITY PROFILE. <i>Astrophysical Journal</i> , 2014, 796, 76.	1.6	70
110	The high-z universe confronts warm dark matter: Galaxy counts, reionization and the nature of dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1597-1609.	1.6	70
111	The Velocity Function of Galaxies. <i>Astrophysical Journal</i> , 2000, 528, 145-155.	1.6	70
112	THE CASE AGAINST WARM OR SELF-INTERACTING DARK MATTER AS EXPLANATIONS FOR CORES IN LOW SURFACE BRIGHTNESS GALAXIES. <i>Astrophysical Journal Letters</i> , 2010, 710, L161-L166.	3.0	68
113	Determining the Nature of Dark Matter with Astrometry. <i>Astrophysical Journal</i> , 2007, 657, L1-L4.	1.6	67
114	A Testable Conspiracy: Simulating Baryonic Effects on Self-interacting Dark Matter Halos. <i>Astrophysical Journal</i> , 2018, 853, 109.	1.6	67
115	THREE-DIMENSIONAL STELLAR KINEMATICS AT THE GALACTIC CENTER: MEASURING THE NUCLEAR STAR CLUSTER SPATIAL DENSITY PROFILE, BLACK HOLE MASS, AND DISTANCE. <i>Astrophysical Journal Letters</i> , 2013, 779, L6.	3.0	66
116	The Stellar Content of Galaxy Halos: A Comparison between Λ CDM Models and Observations of M31. <i>Astrophysical Journal</i> , 2008, 673, 215-225.	1.6	65
117	Galaxy Formation at $z \sim 1/4$: Constraints from Spatial Clustering. <i>Astrophysical Journal</i> , 2001, 554, 85-103.	1.6	65
118	The Local Group as a time machine: studying the high-redshift Universe with nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1503-1512.	1.6	64
119	Predicting the binary black hole population of the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2704-2718.	1.6	64
120	Faint Active Galactic Nuclei and the Ionizing Background. <i>Astrophysical Journal</i> , 2003, 584, 110-128.	1.6	64
121	Young Galaxies: What Turns Them On?. <i>Astrophysical Journal</i> , 1999, 523, L109-L112.	1.6	63
122	Observational Gamma-ray Cosmology. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	62
123	The Absence of Adiabatic Contraction of the Radial Dark Matter Profile in the Galaxy Cluster A2589. <i>Astrophysical Journal</i> , 2006, 650, 777-790.	1.6	62
124	Stellar Populations across the NGC 4244 Truncated Galactic Disk. <i>Astrophysical Journal</i> , 2007, 667, L49-L52.	1.6	62
125	Redistributing hot gas around galaxies: do cool clouds signal a solution to the overcooling problem?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 191-202.	1.6	62
126	STEALTH GALAXIES IN THE HALO OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2010, 717, 1043-1053.	1.6	62

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127	A revised Λ CDM mass model for the Andromeda Galaxy. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1911-1923.	1.6	61
128	SIDM on fire: hydrodynamical self-interacting dark matter simulations of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2945-2954.	1.6	61
129	FROM GALAXY CLUSTERS TO ULTRA-FAINT DWARF SPHEROIDALS: A FUNDAMENTAL CURVE CONNECTING DISPERSION-SUPPORTED GALAXIES TO THEIR DARK MATTER HALOS. Astrophysical Journal, 2011, 726, 108.	1.6	59
130	Dark matter halos with cores from hierarchical structure formation. Physical Review D, 2007, 75, .	1.6	58
131	Heated disc stars in the stellar halo. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	58
132	Scalar field dark matter: helping or hurting small-scale problems in cosmology?. Monthly Notices of the Royal Astronomical Society, 2019, 483, 289-298.	1.6	58
133	Signatures of minor mergers in the Milky Way disc - I. The SEGUE stellar sample. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3727-3739.	1.6	55
134	Dwarf galaxies in CDM, WDM, and SIDM: disentangling baryons and dark matter physics. Monthly Notices of the Royal Astronomical Society, 2019, 490, 962-977.	1.6	54
135	On the morphologies, gas fractions, and star formation rates of small galaxies. Monthly Notices of the Royal Astronomical Society, 0, 382, 1187-1195.	1.6	53
136	XMM-NEWTON SURVEY OF LOCAL $\{m O\};\{m VII\}$ ABSORPTION LINES IN THE SPECTRA OF ACTIVE GALACTIC NUCLEI. Astrophysical Journal, Supplement Series, 2015, 217, 21.	3.0	53
137	A dichotomy in satellite quenching around L^* galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1930-1941.	1.6	52
138	Spatially resolved star formation and fuelling in galaxy interactions. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3113-3133.	1.6	52
139	Dark energy and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 0, 357, 387-400.	1.6	51
140	Resonant sterile neutrino dark matter in the local and high- z Universe. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1489-1504.	1.6	51
141	Counting black holes: The cosmic stellar remnant population and implications for LIGO. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1186-1194.	1.6	51
142	The time-scales probed by star formation rate indicators for realistic, bursty star formation histories from the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4812-4824.	1.6	51
143	GROUP FINDING IN THE STELLAR HALO USING M-GIANTS IN THE TWO MICRON ALL SKY SURVEY: AN EXTENDED VIEW OF THE PISCES OVERDENSITY?. Astrophysical Journal, 2010, 722, 750-759.	1.6	50
144	THE OUTER LIMITS OF THE M31 SYSTEM: KINEMATICS OF THE DWARF GALAXY SATELLITES AND XXVIII & AND XXIX. Astrophysical Journal, 2013, 768, 50.	1.6	50

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145	The suppression of star formation on the smallest scales: what role does environment play?. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4031-4039.	1.6	50
146	SHAPES OF DARK MATTER HALOS. , 2002, , .		50
147	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 319-331.	1.6	48
148	CORRECTING VELOCITY DISPERSIONS OF DWARF SPHEROIDAL GALAXIES FOR BINARY ORBITAL MOTION. Astrophysical Journal, 2010, 721, 1142-1157.	1.6	46
149	Properties of resonantly produced sterile neutrino dark matter subhaloes. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4346-4353.	1.6	45
150	Probing galaxy formation with high energy gamma-rays. AIP Conference Proceedings, 2001, , .	0.3	43
151	Environmental quenching of low-mass field galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4491-4498.	1.6	42
152	The Milky Way's halo and subhaloes in self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2117-2123.	1.6	42
153	Near-field limits on the role of faint galaxies in cosmic reionization. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 443, L44-L48.	1.2	41
154	THE SPLASH SURVEY: KINEMATICS OF ANDROMEDA's INNER SPHEROID. Astrophysical Journal, 2012, 752, 147.	1.6	40
155	Dark and luminous satellites of LMC-mass galaxies in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5348-5364.	1.6	38
156	Space Motions of the Dwarf Spheroidal Galaxies Draco and Sculptor Based on HST Proper Motions with a $\frac{1}{10}$ yr Time Baseline. Astrophysical Journal, 2017, 849, 93.	1.6	37
157	Type II supernovae at redshift $z \approx 2$ from archival data. Nature, 2009, 460, 237-239.	13.7	35
158	Stellar halos in Illustris: probing the histories of Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4004-4016.	1.6	35
159	On the stark difference in satellite distributions around the Milky Way and Andromeda. Monthly Notices of the Royal Astronomical Society, 2014, 439, 73-82.	1.6	34
160	Warm FIRE: simulating galaxy formation with resonant sterile neutrino dark matter. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4086-4099.	1.6	34
161	How low does it go? Too few Galactic satellites with standard reionization quenching. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4585-4595.	1.6	33
162	Are rotating planes of satellite galaxies ubiquitous?. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3840-3848.	1.6	32

#	ARTICLE	IF	CITATIONS
163	The bursty origin of the Milky Way thick disc. Monthly Notices of the Royal Astronomical Society, 2021, 505, 889-902.	1.6	32
164	Hot-mode accretion and the physics of thin-disc galaxy formation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5056-5073.	1.6	32
165	The central densities of Milky Way-mass galaxies in cold and self-interacting dark matter models. Monthly Notices of the Royal Astronomical Society, 2021, 507, 720-729.	1.6	31
166	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. Nature Astronomy, 2022, 6, 496-502.	4.2	31
167	Lyman break galaxy close and interacting pairs at $z \approx 3$. Monthly Notices of the Royal Astronomical Society, 0, 403, 1020-1035.	1.6	29
168	Global Properties of M31's Stellar Halo from the SPLASH Survey. III. Measuring the Stellar Velocity Dispersion Profile. Astrophysical Journal, 2018, 852, 128.	1.6	28
169	The haloes and environments of nearby galaxies (HERON) – I. Imaging, sample characteristics, and envelope diameters. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1539-1569.	1.6	28
170	NEW INSIGHTS ON THE FORMATION AND ASSEMBLY OF M83 FROM DEEP NEAR-INFRARED IMAGING. Astrophysical Journal, 2014, 789, 126.	1.6	26
171	The metallicity of diffuse intrahalo light. Monthly Notices of the Royal Astronomical Society, 2008, 391, 550-558.	1.6	25
172	The mass dependence of satellite quenching in Milky Way-like haloes. Monthly Notices of the Royal Astronomical Society, 2015, 447, 698-710.	1.6	25
173	A relationship between stellar metallicity gradients and galaxy age in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5121-5134.	1.6	25
174	GROUP FINDING IN THE STELLAR HALO USING PHOTOMETRIC SURVEYS: CURRENT SENSITIVITY AND FUTURE PROSPECTS. Astrophysical Journal, 2011, 728, 106.	1.6	24
175	The Lopsidedness of Satellite Galaxy Systems in Λ CDM Simulations. Astrophysical Journal, 2017, 850, 132.	1.6	24
176	Stars made in outflows may populate the stellar halo of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1539-1559.	1.6	24
177	Dwarf galaxy mass estimators versus cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4786-4796.	1.6	23
178	The Local Group: the ultimate deep field. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 462, L51-L55.	1.2	21
179	Star formation at the edge of the Local Group: a rising star formation history in the isolated galaxy WLM. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5538-5550.	1.6	21
180	A predicted correlation between age gradient and star formation history in FIRE dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1186-1201.	1.6	20

#	ARTICLE	IF	CITATIONS
181	The shape of galaxy cluster dark matter haloes: systematics of its imprint on cluster gas and comparison to observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 883-896.	1.6	19
182	COUNTS-IN-CYLINDERS IN THE SLOAN DIGITAL SKY SURVEY WITH COMPARISONS TO N -BODY SIMULATIONS. <i>Astrophysical Journal</i> , 2011, 726, 1.	1.6	19
183	Angular Momentum Profiles of Warm Dark Matter Halos. <i>Astrophysical Journal</i> , 2002, 564, L1-L4.	1.6	19
184	Running with BICEP2: implications for small-scale problems in CDM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 961-970.	1.6	18
185	Do Halos that Form Early, Have High Concentration, Are Part of a Pair, or Contain a Central Galaxy Potential Host More Pronounced Planes of Satellite Galaxies?. <i>Astrophysical Journal</i> , 2019, 875, 105.	1.6	18
186	The Effect of Substructure on Mass Estimates of Galaxies. <i>Astrophysical Journal</i> , 2006, 643, 154-161.	1.6	17
187	Push it to the limit: Local Group constraints on high-redshift stellar mass functions for $M < 10^{10} M_{\odot}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 477-484.	1.6	16
188	Baryonic distributions in galaxy dark matter haloes – I. New observations of neutral and ionized gas kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 689-728.	1.6	15
189	Through a Smoother Lens: An expected absence of LCDM substructure detections from hydrodynamic and dark matter only simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1322-1332.	1.6	15
190	Strong Evolution in the Luminosity-Velocity Relation at $z \approx 1$?. <i>Astrophysical Journal</i> , 2001, 550, 21-25.	1.6	14
191	The galaxy-halo size relation of low-mass galaxies in FIRE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3967-3985.	1.6	13
192	Baryonic distributions in the dark matter halo of NGC 5005. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3981-3996.	1.6	12
193	Baryonic distributions in galaxy dark matter haloes – II. Final results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5127-5188.	1.6	12
194	Amplified J-factors in the Galactic Centre for velocity-dependent dark matter annihilation in FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 55-70.	1.6	12
195	Groups of two galaxies in SDSS: implications of colours on star formation quenching time-scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 635-649.	1.6	10
196	Out of sight, out of mind? The impact of correlated clustering in substructure lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 6064-6079.	1.6	10
197	The effects of LMC-mass environments on their dwarf satellite galaxies in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2673-2688.	1.6	10
198	BEACONS IN THE DARK: USING NOVAE AND SUPERNOVAE TO DETECT DWARF GALAXIES IN THE LOCAL UNIVERSE. <i>Astrophysical Journal Letters</i> , 2015, 805, L2.	3.0	9

#	ARTICLE	IF	CITATIONS
199	From EMBER to FIRE: predicting high resolution baryon fields from dark matter simulations with deep learning. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1323-1341.	1.6	9
200	The Observatory for Multi-Epoch Gravitational Lens Astrophysics (OMEGA). Proceedings of SPIE, 2008, , ,	0.8	8
201	Accurate mass estimates from the proper motions of dispersion-supported galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5825-5837.	1.6	8
202	Orbital pericentres and the inferred dark matter halo structure of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5232-5237.	1.6	8
203	A Candidate Brightest Protocluster Galaxy at $z = 3.03$. Astrophysical Journal, 2008, 681, L57-L60.	1.6	6
204	Exploring the links between star formation and minor companions around isolated galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1454-1460.	1.6	6
205	Sizing from the smallest scales: the mass of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4968-4982.	1.6	6
206	Notes on the missing satellites problem. , 2013, , 95-122.		5
207	Constraining the IMF using TeV gamma ray absorption. Astroparticle Physics, 1999, 11, 111-112.	1.9	5
208	Cold Cloud Infall and Galaxy Formation. AIP Conference Proceedings, 2008, , ,	0.3	5
209	Measuring the stellar luminosity function and spatial density profile of the inner 0.5 pc of the Milky Way nuclear star cluster. Journal of Physics: Conference Series, 2012, 372, 012016.	0.3	3
210	Comparing implementations of self-interacting dark matter in the <scp>gizmo</scp> and <scp>arepo</scp> codes. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2600-2608.	1.6	3
211	The Large Magellanic Cloud in the SDSS and LCDM: Is There A "Found Satellites Problem"? EAS Publications Series, 2011, 48, 455-457.	0.3	2
212	The Halos and Environments of Nearby Galaxies (HERON) Survey. Proceedings of the International Astronomical Union, 2016, 11, 186-189.	0.0	2
213	DYNAMICAL EVOLUTION OF ACCRETED DWARF GALAXIES. , 2007, , 227-238.		2
214	The implications of galaxy formation models for the TeV observations of current detectors. AIP Conference Proceedings, 2000, , ,	0.3	1
215	Galactic chemical abundance distributions in a Λ CDM universe. Proceedings of the International Astronomical Union, 2005, 1, 126-129.	0.0	1
216	A New Mass Model for M31. Proceedings of the International Astronomical Union, 2006, 2, 135-135.	0.0	1

#	ARTICLE	IF	CITATIONS
217	Cold Dark Matter Substructure and Galactic Disks. Proceedings of the International Astronomical Union, 2008, 4, 417-422.	0.0	1
218	Lyman Break Galaxies as collision-driven starbursts. , 1999, , .		0
219	Lyman break galaxies as collisional starbursts. , 1999, , .		0
220	Faint AGN and the Ionizing Background. AIP Conference Proceedings, 2003, , .	0.3	0
221	Halo Substructure and the Power Spectrum. AIP Conference Proceedings, 2003, , .	0.3	0
222	GHOSTS: The Resolved Stellar Outskirts of Massive Disk Galaxies. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
223	Mergers and Disk Survival in Λ CDM. Proceedings of the International Astronomical Union, 2008, 4, 85-94.	0.0	0
224	The importance of non-Gaussian fluctuations in inflationary primordial black hole production. , 1998, , .		0
225	THE ASSEMBLY OF GALAXY CLUSTERS. Astrophysical Journal, 2009, 690, 1292-1302.	1.6	0