Adrian Jenkins

List of Publications by Year
in descending order

128 papers	34,417 citations	7551 77 h-index	16127 124 g-index
129 all docs	129 docs citations	129 times ranked	9701 citing authors

#	Article	IF	Citations
1	SIBELIUS-DARK: a galaxy catalogue of the local volume from a constrained realization simulation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5823-5847.	1.6	18
2	Apostleâ€“Auriga: effects of different subgrid models on the baryon cycle around Milky Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3113-3138.	1.6	12
3	Setting the stage: structures from Gaussian random fields. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4759-4776.	1.6	8
4	The origin of X-ray coronae around simulated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2934-2951.	1.6	13
5	Indra: a public computationally accessible suite of cosmological N-body simulations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2659-2670.	1.6	9
6	An optimal non-linear method for simulating relic neutrinos. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2614-2631.	1.6	20
7	Constraints on the properties of warm dark matter using the satellite galaxies of the Milky Way. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 062.	1.9	43
8	Determining the full satellite population of a Milky Way-mass halo in a highly resolved cosmological hydrodynamic simulation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4953-4967.	1.6	42
9	A high-resolution cosmological simulation of a strong gravitational lens. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4657-4668.	1.6	12
10	The SIBELIUS Project: E Pluribus Unum. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1432-1446.	1.6	15
11	Universal structure of dark matter haloes over a mass range of 20 orders of magnitude. Nature, 2020, 585, 39-42.	13.7	140
12	Subhalo destruction in the Apostle and Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5780-5793.	1.6	46
13	No cores in dark matter-dominated dwarf galaxies with bursty star formation histories. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4790-4804.	1.6	62
14	Galaxy formation in the Planck Millennium: the atomic hydrogen content of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4922-4937.	1.6	72
15	The Milky Wayâ€™s total satellite population and constraining the mass of the warm dark matter particle. Proceedings of the International Astronomical Union, 2018, 14, 109-113.	0.0	2
16	The total satellite population of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2853-2870.	1.6	97
17	Knowing the unknowns: uncertainties in simple estimators of galactic dynamical masses. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2335-2360.	1.6	54
18	Substructure and galaxy formation in the Copernicus Complexio warm dark matter simulations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4520-4533.	1.6	72

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19	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	1.6	167
20	The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1088-1106.	1.6	178
21	The redshift evolution of massive galaxy clusters in the MACSIS simulations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 213-233.	1.6	96
22	The apostle project: Local Group kinematic mass constraints and simulation candidate selection. Monthly Notices of the Royal Astronomical Society, 2016, 457, 844-856.	1.6	154
23	The chosen few: the low-mass haloes that host faint galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 85-97.	1.6	117
24	The APOSTLE simulations: solutions to the Local Group's cosmic puzzles. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1931-1943.	1.6	453
25	The eagle simulations of galaxy formation: Public release of halo and galaxy catalogues. Astronomy and Computing, 2016, 15, 72-89.	0.8	394
26	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. Monthly Notices of the Royal Astronomical Society, 2016, 459, 199-219.	1.6	132
27	The Copernicus Complexio: a high-resolution view of the small-scale Universe. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3492-3509.	1.6	84
28	The Copernicus Complexio: statistical properties of warm dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2016, 455, 318-333.	1.6	102
29	Bent by baryons: the low-mass galaxy-halo relation. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2941-2947.	1.6	163
30	Evolution of galaxy stellar masses and star formation rates in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4486-4504.	1.6	332
31	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1937-1961.	1.6	1,038
32	Decaying dark matter: the case for a deep X-ray observation of Draco. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1573-1585.	1.6	22
33	The EAGLE project: simulating the evolution and assembly of galaxies and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 446, 521-554.	1.6	2,549
34	Surface photometry of brightest cluster galaxies and intracluster stars in Î›CDM. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2703-2722.	1.6	65
35	Baryon effects on the internal structure of Î›CDM haloes in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1247-1267.	1.6	302
36	The properties of warm dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2014, 439, 300-317.	1.6	360

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37	Cosmological simulations of galaxy clusters with feedback from active galactic nuclei: profiles and scaling relations. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1774-1796.	1.6	48
38	Dwarf galaxies in CDM and SIDM with baryons: observational probes of the nature of dark matter. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3684-3698.	1.6	166
39	The abundance of (not just) dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1366-1382.	1.6	130
40	A new way of setting the phases for cosmological multiscale Gaussian initial conditions. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2094-2120.	1.6	95
41	Dark matter halo merger histories beyond cold dark matter â€“ I. Methods and application to warm dark matter. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1774-1789.	1.6	136
42	The journey of QSO haloes from z â¼ 6 to the present. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2722-2730.	1.6	37
43	The Phoenix Project: the dark side of rich Galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2169-2186.	1.6	161
44	Scaling relations for galaxy clusters in the Millennium-XXL simulation. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2046-2062.	1.6	375
45	Where will supersymmetric dark matter first be seen?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1721-1726.	1.6	104
46	The haloes of bright satellite galaxies in a warm dark matter universe. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2318-2324.	1.6	329
47	The Aquila comparison project: the effects of feedback and numerical methods on simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1726-1749.	1.6	381
48	The statistics of the subhalo abundance of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2309-2314.	1.6	80
49	What is the (dark) matter with dwarf galaxies?. Monthly Notices of the Royal Astronomical Society, 2011, 413, 659-668.	1.6	75
50	Assembly history and structure of galactic cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1373-1382.	1.6	125
51	The density and pseudo-phase-space density profiles of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3895-3902.	1.6	59
52	A halo expansion technique for approximating simulated dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2697-2711.	1.6	29
53	The link between galactic satellite orbits and subhalo accretion. Monthly Notices of the Royal Astronomical Society, 2011, 413, 3013-3021.	1.6	77
54	Galactic Stellar Haloes in the CDM Model. , 2010, , .		0

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55	The evolution of galaxy cluster X-ray scaling relations. Monthly Notices of the Royal Astronomical Society, 2010, 408, 2213-2233.	1.6	52
56	The diversity and similarity of simulated cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, 402, 21-34.	1.6	639
57	The earliest stars and their relics in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1283-1295.	1.6	35
58	Second-order Lagrangian perturbation theory initial conditions for resimulations. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1859-1872.	1.6	101
59	The angular momentum of cold dark matter haloes with and without baryons. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	52
60	Secondary infall and the pseudo-phase-space density profiles of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, 406, 137-146.	1.6	58
61	The properties of satellite galaxies in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2010, 406, 208-222.	1.6	137
62	Galactic stellar haloes in the CDM model. Monthly Notices of the Royal Astronomical Society, 2010, 406, 744-766.	1.6	443
63	There's no place like home? Statistics of Milky Way-mass dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	106
64	Full-sky map of the ISW and Rees-Sciama effect from Gpc simulations. Monthly Notices of the Royal Astronomical Society, 2010, 407, 201-224.	1.6	63
65	THE UNORTHODOX ORBITS OF SUBSTRUCTURE HALOS. Astrophysical Journal, 2009, 692, 931-941.	1.6	145
66	The Millennium Gas Project. , 2009, , .		0
67	The clustering of the first galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2009, 394, 624-632.	1.6	22
68	Mock galaxy redshift catalogues from simulations: implications for Pan-STARRS1. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1185-1203.	1.6	17
69	Phase-space structure in the local dark matter distribution and its signature in direct detection experiments. Monthly Notices of the Royal Astronomical Society, 2009, 395, 797-811.	1.6	202
70	Resolving cosmic structure formation with the Millennium-II Simulation. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1150-1164.	1.6	747
71	How common is the Milky Way-satellite system alignment?. Monthly Notices of the Royal Astronomical Society, 2009, 399, 550-558.	1.6	69
72	Galaxiesï¿½ï¿½ï¿½intergalactic medium interaction calculation ï¿½ï¿½ï¿½ I. Galaxy formation as a function of large-scale environment. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1773-1794.	1.6	216

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73	Towards accurate modelling of the integrated Sachs-Wolfe effect: the non-linear contribution. Monthly Notices of the Royal Astronomical Society, 2009, 396, 772-778.	1.6	24
74	Effects of dark matter substructures on gravitational lensing: results from the Aquarius simulations. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1235-1253.	1.6	94
75	The Aquarius Project: Cold Dark Matter underÂa Numerical Microscope. , 2009, , 93-108.		0
76	Prospects for detecting supersymmetric dark matter in the Galactic halo. Nature, 2008, 456, 73-76.	13.7	208
77	The redshift dependence of the structure of massive Î› cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2008, 387, 536-544.	1.6	408
78	The Aquarius Project: the subhaloes of galactic haloes. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1685-1711.	1.6	1,462
79	Formation ofzâˆ¼6 Quasars from Hierarchical Galaxy Mergers. Astrophysical Journal, 2007, 665, 187-208.	1.6	253
80	The halo mass function from the dark ages through the present day. Monthly Notices of the Royal Astronomical Society, 2007, 374, 2-15.	1.6	298
81	Satellite systems around galaxies in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2007, 374, 16-28.	1.6	82
82	The spin and shape of dark matter haloes in the Millennium simulation of a Î› cold dark matter universe. Monthly Notices of the Royal Astronomical Society, 2007, 376, 215-232.	1.6	380
83	The baryon fraction of ΛCDM haloes. Monthly Notices of the Royal Astronomical Society, 2007, 377, 41-49.	1.6	123
84	The first generation of stars in the Λ cold dark matter cosmology. Monthly Notices of the Royal Astronomical Society, 2007, 378, 449-468.	1.6	102
85	The effects of ellipticity and substructure on estimates of cluster density profiles based on lensing and kinematics. Monthly Notices of the Royal Astronomical Society, 2007, 381, 171-186.	1.6	38
86	The statistics of Λ CDM halo concentrations. Monthly Notices of the Royal Astronomical Society, 2007, 381, 1450-1462.	1.6	627
87	Constraints on Ïƒ8 from galaxy clustering in N-body simulations and semi-analytic models. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1503-1515.	1.6	13
88	Cosmic cookery: making a stereoscopic 3D animated movie. , 2006, , .		6
89	The many lives of active galactic nuclei: cooling flows, black holes and the luminosities and colours of galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 365, 11-28.	1.6	2,994
90	A marked correlation function analysis of halo formation times in the Millennium Simulation. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1039-1049.	1.6	186

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91	A Universal Density Profile for Dark and Luminous Matter?. Astrophysical Journal, 2005, 624, L85-L88.	1.6	184
92	The 2dF Galaxy Redshift Survey: power-spectrum analysis of the final data set and cosmological implications. Monthly Notices of the Royal Astronomical Society, 2005, 362, 505-534.	1.6	1,599
93	The first generation of star-forming haloes. Monthly Notices of the Royal Astronomical Society, 2005, 363, 393-404.	1.6	56
94	The distribution of satellite galaxies: the great pancake. Monthly Notices of the Royal Astronomical Society, 2005, 363, 146-152.	1.6	196
95	Early structure in ÂCDM. Monthly Notices of the Royal Astronomical Society, 2005, 363, 379-392.	1.6	104
96	Effects of feedback on the morphology of galaxy discs. Monthly Notices of the Royal Astronomical Society, 2005, 363, 1299-1314.	1.6	182
97	Simulations of the formation, evolution and clustering of galaxies and quasars. Nature, 2005, 435, 629-636.	13.7	3,801
98	Constraints on the dark energy equation of state from the imprint of baryons on the power spectrum of clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 362, L25-L29.	1.2	48
99	The subhalo populations of Î›CDM dark haloes. Monthly Notices of the Royal Astronomical Society, 2004, 355, 819-834.	1.6	553
100	Cosmological simulations of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2004, 355, 1091-1104.	1.6	105
101	Galaxies and subhaloes in Î›CDM galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2004, 352, L1-L5.	1.6	143
102	The inner structure of Î›CDM haloes â€“ II. Halo mass profiles and low surface brightness galaxy rotation curves. Monthly Notices of the Royal Astronomical Society, 2004, 355, 794-812.	1.6	116
103	Early Formation and Late Merging of the Giant Galaxies. Astrophysical Journal, 2004, 614, 17-25.	1.6	83
104	Cosmic structure growth and dark energy. Monthly Notices of the Royal Astronomical Society, 2003, 346, 573-583.	1.6	265
105	The inner structure of ÂCDM haloes -- I. A numerical convergence study. Monthly Notices of the Royal Astronomical Society, 2003, 338, 14-34.	1.6	767
106	Stable clustering, the halo model and non-linear cosmological power spectra. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1311-1332.	1.6	1,625
107	Momentum transfer across shear flows in smoothed particle hydrodynamic simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2003, 345, 429-446.	1.6	64
108	The Halo Occupation Distribution and the Physics of Galaxy Formation. Astrophysical Journal, 2003, 593, 1-25.	1.6	307

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109	Galaxy Clusters in Hubble Volume Simulations: Cosmological Constraints from Sky Survey Populations. Astrophysical Journal, 2002, 573, 7-36.	1.6	305
110	Clustering of galaxy clusters in cold dark matter universes. Monthly Notices of the Royal Astronomical Society, 2002, 319, 209-214.	1.6	122
111	Including star formation and supernova feedback within cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2002, 330, 113-128.	1.6	108
112	A comparison of semi-analytic and smoothed particle hydrodynamics galaxy formation. Monthly Notices of the Royal Astronomical Society, 2001, 320, 261-280.	1.6	74
113	The mass function of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2001, 321, 372-384.	1.6	1,335
114	A simulatedÏ„CDM cosmology cluster catalogue: the NFW profile and the temperature-mass scaling relations. Monthly Notices of the Royal Astronomical Society, 2001, 324, 450-462.	1.6	47
115	Simulations of deep pencil-beam redshift surveys. Monthly Notices of the Royal Astronomical Society, 2001, 325, 803-816.	1.6	35
116	Simulations of galaxy formation in a cosmological volume. Monthly Notices of the Royal Astronomical Society, 2001, 326, 649-666.	1.6	85
117	Collisional versus Collisionless Dark Matter. Astrophysical Journal, 2000, 535, L21-L24.	1.6	95
118	Experimental cosmic statistics - I. Variance. Monthly Notices of the Royal Astronomical Society, 2000, 313, 711-724.	1.6	30
119	Experimental cosmic statistics - II. Distribution. Monthly Notices of the Royal Astronomical Society, 2000, 313, 725-733.	1.6	29
120	Peculiar velocities of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2000, 313, 229-236.	1.6	33
121	Inhomogeneous reionization of the intergalactic medium regulated by radiative and stellar feedbacks. Monthly Notices of the Royal Astronomical Society, 2000, 314, 611-629.	1.6	145
122	Parameter tests within cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2000, 316, 374-394.	1.6	43
123	The Santa Barbara Cluster Comparison Project: A Comparison of Cosmological Hydrodynamics Solutions. Astrophysical Journal, 1999, 525, 554-582.	1.6	399
124	Linking cluster formation to large-scale structure. Monthly Notices of the Royal Astronomical Society, 1999, 308, 593-598.	1.6	88
125	A Simulation of Galaxy Formation and Clustering. Astrophysical Journal, 1999, 521, L99-L102.	1.6	108
126	Evolution of Structure in Cold Dark Matter Universes. Astrophysical Journal, 1998, 499, 20-40.	1.6	451

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127	Heating of galactic discs with realistic vertical potentials. Monthly Notices of the Royal Astronomical Society, 1992, 257, 620-632.	1.6	69
128	The Auriga Project: the properties and formation mechanisms of disc galaxies across cosmic time. Monthly Notices of the Royal Astronomical Society, 0, , stx071.	1.6	293