

# Adrian Jenkins

## List of Publications by Year in descending order

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128  
papers

34,417  
citations

7568

77  
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16183

124  
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129  
all docs

129  
docs citations

129  
times ranked

9701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulations of the formation, evolution and clustering of galaxies and quasars. <i>Nature</i> , 2005, 435, 629-636.	27.8	3,801
2	The many lives of active galactic nuclei: cooling flows, black holes and the luminosities and colours of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 11-28.	4.4	2,994
3	The EAGLE project: simulating the evolution and assembly of galaxies and their environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 521-554.	4.4	2,549
4	Stable clustering, the halo model and non-linear cosmological power spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 1311-1332.	4.4	1,625
5	The 2dF Galaxy Redshift Survey: power-spectrum analysis of the final data set and cosmological implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 505-534.	4.4	1,599
6	The Aquarius Project: the subhaloes of galactic haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1685-1711.	4.4	1,462
7	The mass function of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 372-384.	4.4	1,335
8	The EAGLE simulations of galaxy formation: calibration of subgrid physics and model variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1937-1961.	4.4	1,038
9	The inner structure of $\Lambda$ CDM haloes – I. A numerical convergence study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 338, 14-34.	4.4	767
10	Resolving cosmic structure formation with the Millennium-II Simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1150-1164.	4.4	747
11	The diversity and similarity of simulated cold dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 21-34.	4.4	639
12	The statistics of $\Lambda$ CDM halo concentrations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 1450-1462.	4.4	627
13	The subhalo populations of $\Lambda$ CDM dark haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 819-834.	4.4	553
14	The APOSTLE simulations: solutions to the Local Group's cosmic puzzles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1931-1943.	4.4	453
15	Evolution of Structure in Cold Dark Matter Universes. <i>Astrophysical Journal</i> , 1998, 499, 20-40.	4.5	451
16	Galactic stellar haloes in the CDM model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 744-766.	4.4	443
17	The redshift dependence of the structure of massive $\Lambda$ cold dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 536-544.	4.4	408
18	The Santa Barbara Cluster Comparison Project: A Comparison of Cosmological Hydrodynamics Solutions. <i>Astrophysical Journal</i> , 1999, 525, 554-582.	4.5	399

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19	The eagle simulations of galaxy formation: Public release of halo and galaxy catalogues. <i>Astronomy and Computing</i> , 2016, 15, 72-89.	1.7	394
20	The Aquila comparison project: the effects of feedback and numerical methods on simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1726-1749.	4.4	381
21	The spin and shape of dark matter haloes in the Millennium simulation of a $\Lambda$ cold dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 215-232.	4.4	380
22	Scaling relations for galaxy clusters in the Millennium-XXL simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2046-2062.	4.4	375
23	The properties of warm dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 300-317.	4.4	360
24	Evolution of galaxy stellar masses and star formation rates in the eagle simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4486-4504.	4.4	332
25	The haloes of bright satellite galaxies in a warm dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 2318-2324.	4.4	329
26	The Halo Occupation Distribution and the Physics of Galaxy Formation. <i>Astrophysical Journal</i> , 2003, 593, 1-25.	4.5	307
27	Galaxy Clusters in Hubble Volume Simulations: Cosmological Constraints from Sky Survey Populations. <i>Astrophysical Journal</i> , 2002, 573, 7-36.	4.5	305
28	Baryon effects on the internal structure of $\Lambda$ CDM haloes in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1247-1267.	4.4	302
29	The halo mass function from the dark ages through the present day. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 2-15.	4.4	298
30	The Auriga Project: the properties and formation mechanisms of disc galaxies across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx071.	4.4	293
31	Cosmic structure growth and dark energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 573-583.	4.4	265
32	Formation of $\sim 1/6$ Quasars from Hierarchical Galaxy Mergers. <i>Astrophysical Journal</i> , 2007, 665, 187-208.	4.5	253
33	Galaxies in the intergalactic medium interaction calculation I. Galaxy formation as a function of large-scale environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1773-1794.	4.4	216
34	Prospects for detecting supersymmetric dark matter in the Galactic halo. <i>Nature</i> , 2008, 456, 73-76.	27.8	208
35	Phase-space structure in the local dark matter distribution and its signature in direct detection experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 797-811.	4.4	202
36	The distribution of satellite galaxies: the great pancake. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 146-152.	4.4	196

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37	A marked correlation function analysis of halo formation times in the Millennium Simulation. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1039-1049.	4.4	186
38	A Universal Density Profile for Dark and Luminous Matter?. Astrophysical Journal, 2005, 624, L85-L88.	4.5	184
39	Effects of feedback on the morphology of galaxy discs. Monthly Notices of the Royal Astronomical Society, 2005, 363, 1299-1314.	4.4	182
40	The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1088-1106.	4.4	178
41	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	4.4	167
42	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.	4.4	166
43	Bent by baryons: the low-mass galaxy-halo relation. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2941-2947.	4.4	163
44	The Phoenix Project: the dark side of rich Galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2169-2186.	4.4	161
45	The apostle project: Local Group kinematic mass constraints and simulation candidate selection. Monthly Notices of the Royal Astronomical Society, 2016, 457, 844-856.	4.4	154
46	Inhomogeneous reionization of the intergalactic medium regulated by radiative and stellar feedbacks. Monthly Notices of the Royal Astronomical Society, 2000, 314, 611-629.	4.4	145
47	THE UNORTHODOX ORBITS OF SUBSTRUCTURE HALOS. Astrophysical Journal, 2009, 692, 931-941.	4.5	145
48	Galaxies and subhaloes in $\Lambda$ CDM galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2004, 352, L1-L5.	4.4	143
49	Universal structure of dark matter haloes over a mass range of 20 orders of magnitude. Nature, 2020, 585, 39-42.	27.8	140
50	The properties of satellite galaxies in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2010, 406, 208-222.	4.4	137
51	Dark matter halo merger histories beyond cold dark matter $\hat{\alpha}$ I. Methods and application to warm dark matter. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1774-1789.	4.4	136
52	Vertical disc heating in Milky Way-sized galaxies in a cosmological context. Monthly Notices of the Royal Astronomical Society, 2016, 459, 199-219.	4.4	132
53	The abundance of (not just) dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1366-1382.	4.4	130
54	Assembly history and structure of galactic cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1373-1382.	4.4	125

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55	The baryon fraction of $\Lambda$ CDM haloes. Monthly Notices of the Royal Astronomical Society, 2007, 377, 41-49.	4.4	123
56	Clustering of galaxy clusters in cold dark matter universes. Monthly Notices of the Royal Astronomical Society, 2002, 319, 209-214.	4.4	122
57	The chosen few: the low-mass haloes that host faint galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 85-97.	4.4	117
58	The inner structure of $\Lambda$ CDM haloes – II. Halo mass profiles and low surface brightness galaxy rotation curves. Monthly Notices of the Royal Astronomical Society, 2004, 355, 794-812.	4.4	116
59	A Simulation of Galaxy Formation and Clustering. Astrophysical Journal, 1999, 521, L99-L102.	4.5	108
60	Including star formation and supernova feedback within cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2002, 330, 113-128.	4.4	108
61	There's no place like home? Statistics of Milky Way-mass dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	106
62	Cosmological simulations of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2004, 355, 1091-1104.	4.4	105
63	Early structure in $\Lambda$ CDM. Monthly Notices of the Royal Astronomical Society, 2005, 363, 379-392.	4.4	104
64	Where will supersymmetric dark matter first be seen?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1721-1726.	4.4	104
65	The first generation of stars in the $\Lambda$ cold dark matter cosmology. Monthly Notices of the Royal Astronomical Society, 2007, 378, 449-468.	4.4	102
66	The Copernicus Complexio: statistical properties of warm dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2016, 455, 318-333.	4.4	102
67	Second-order Lagrangian perturbation theory initial conditions for resimulations. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1859-1872.	4.4	101
68	The total satellite population of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2853-2870.	4.4	97
69	The redshift evolution of massive galaxy clusters in the MACSIS simulations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 213-233.	4.4	96
70	Collisional versus Collisionless Dark Matter. Astrophysical Journal, 2000, 535, L21-L24.	4.5	95
71	A new way of setting the phases for cosmological multiscale Gaussian initial conditions. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2094-2120.	4.4	95
72	Effects of dark matter substructures on gravitational lensing: results from the Aquarius simulations. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1235-1253.	4.4	94

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73	Linking cluster formation to large-scale structure. Monthly Notices of the Royal Astronomical Society, 1999, 308, 593-598.	4.4	88
74	Simulations of galaxy formation in a cosmological volume. Monthly Notices of the Royal Astronomical Society, 2001, 326, 649-666.	4.4	85
75	The Copernicus Complexio: a high-resolution view of the small-scale Universe. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3492-3509.	4.4	84
76	Early Formation and Late Merging of the Giant Galaxies. Astrophysical Journal, 2004, 614, 17-25.	4.5	83
77	Satellite systems around galaxies in hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2007, 374, 16-28.	4.4	82
78	The statistics of the subhalo abundance of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2309-2314.	4.4	80
79	The link between galactic satellite orbits and subhalo accretion. Monthly Notices of the Royal Astronomical Society, 2011, 413, 3013-3021.	4.4	77
80	What is the (dark) matter with dwarf galaxies?. Monthly Notices of the Royal Astronomical Society, 2011, 413, 659-668.	4.4	75
81	A comparison of semi-analytic and smoothed particle hydrodynamics galaxy formation. Monthly Notices of the Royal Astronomical Society, 2001, 320, 261-280.	4.4	74
82	Substructure and galaxy formation in the Copernicus Complexio warm dark matter simulations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4520-4533.	4.4	72
83	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.	4.4	72
84	Heating of galactic discs with realistic vertical potentials. Monthly Notices of the Royal Astronomical Society, 1992, 257, 620-632.	4.4	69
85	How common is the Milky Way-satellite system alignment?. Monthly Notices of the Royal Astronomical Society, 2009, 399, 550-558.	4.4	69
86	Surface photometry of brightest cluster galaxies and intracluster stars in $\Lambda$ CDM. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2703-2722.	4.4	65
87	Momentum transfer across shear flows in smoothed particle hydrodynamic simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2003, 345, 429-446.	4.4	64
88	Full-sky map of the ISW and Rees-Sciama effect from Gpc simulations. Monthly Notices of the Royal Astronomical Society, 2010, 407, 201-224.	4.4	63
89	No cores in dark matter-dominated dwarf galaxies with bursty star formation histories. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4790-4804.	4.4	62
90	The density and pseudo-phase-space density profiles of cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3895-3902.	4.4	59

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91	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.	4.4	58
92	The first generation of star-forming haloes. Monthly Notices of the Royal Astronomical Society, 2005, 363, 393-404.	4.4	56
93	Knowing the unknowns: uncertainties in simple estimators of galactic dynamical masses. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2335-2360.	4.4	54
94	The evolution of galaxy cluster X-ray scaling relations. Monthly Notices of the Royal Astronomical Society, 2010, 408, 2213-2233.	4.4	52
95	The angular momentum of cold dark matter haloes with and without baryons. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	52
96	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.	3.3	48
97	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.	4.4	48
98	A simulated $\Lambda$ CDM cosmology cluster catalogue: the NFW profile and the temperature-mass scaling relations. Monthly Notices of the Royal Astronomical Society, 2001, 324, 450-462.	4.4	47
99	Subhalo destruction in the Apostle and Auriga simulations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5780-5793.	4.4	46
100	Parameter tests within cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2000, 316, 374-394.	4.4	43
101	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.	5.4	43
102	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.	4.4	42
103	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.	4.4	38
104	The journey of QSO haloes from $z \approx 6$ to the present. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2722-2730.	4.4	37
105	Simulations of deep pencil-beam redshift surveys. Monthly Notices of the Royal Astronomical Society, 2001, 325, 803-816.	4.4	35
106	The earliest stars and their relics in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1283-1295.	4.4	35
107	Peculiar velocities of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2000, 313, 229-236.	4.4	33
108	Experimental cosmic statistics - I. Variance. Monthly Notices of the Royal Astronomical Society, 2000, 313, 711-724.	4.4	30

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109	Experimental cosmic statistics - II. Distribution. Monthly Notices of the Royal Astronomical Society, 2000, 313, 725-733.	4.4	29
110	A halo expansion technique for approximating simulated dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2697-2711.	4.4	29
111	Towards accurate modelling of the integrated Sachs-Wolfe effect: the non-linear contribution. Monthly Notices of the Royal Astronomical Society, 2009, 396, 772-778.	4.4	24
112	The clustering of the first galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2009, 394, 624-632.	4.4	22
113	Decaying dark matter: the case for a deep X-ray observation of Draco. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1573-1585.	4.4	22
114	An optimal non-linear method for simulating relic neutrinos. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2614-2631.	4.4	20
115	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.	4.4	18
116	Mock galaxy redshift catalogues from simulations: implications for Pan-STARRS1. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1185-1203.	4.4	17
117	The SIBELIUS Project: E Pluribus Unum. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1432-1446.	4.4	15
118	Constraints on $\Omega_8$ from galaxy clustering in N-body simulations and semi-analytic models. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1503-1515.	4.4	13
119	The origin of X-ray coronae around simulated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2934-2951.	4.4	13
120	A high-resolution cosmological simulation of a strong gravitational lens. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4657-4668.	4.4	12
121	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.	4.4	12
122	Indra: a public computationally accessible suite of cosmological $N$ -body simulations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2659-2670.	4.4	9
123	Setting the stage: structures from Gaussian random fields. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4759-4776.	4.4	8
124	Cosmic cookery: making a stereoscopic 3D animated movie. , 2006, , .		6
125	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
126	The Millennium Gas Project. , 2009, , .		0



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127	Galactic Stellar Haloes in the CDM Model. , 2010, , .		0
128	The Aquarius Project: Cold Dark Matter underÂa Numerical Microscope. , 2009, , 93-108.		0