

Ben Moore

List of Publications by Year in descending order

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100
papers

16,477
citations

22153

59
h-index

38395

95
g-index

101
all docs

101
docs citations

101
times ranked

8289
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark Matter Substructure within Galactic Halos. <i>Astrophysical Journal</i> , 1999, 524, L19-L22.	4.5	2,396
2	Galaxy harassment and the evolution of clusters of galaxies. <i>Nature</i> , 1996, 379, 613-616.	27.8	1,403
3	Evidence against dissipation-less dark matter from observations of galaxy haloes. <i>Nature</i> , 1994, 370, 629-631.	27.8	858
4	Morphological Transformation from Galaxy Harassment. <i>Astrophysical Journal</i> , 1998, 495, 139-151.	4.5	667
5	Ram pressure stripping of spiral galaxies in clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 308, 947-954.	4.4	566
6	Fundamental differences between SPH and grid methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 380, 963-978.	4.4	525
7	Gone with the Wind: The Origin of S0 Galaxies in Clusters. <i>Science</i> , 2000, 288, 1617-1620.	12.6	502
8	Ensembl Genomes 2018: an integrated omics infrastructure for non-vertebrate species. <i>Nucleic Acids Research</i> , 2018, 46, D802-D808.	14.5	489
9	Empirical Models for Dark Matter Halos. I. Nonparametric Construction of Density Profiles and Comparison with Parametric Models. <i>Astronomical Journal</i> , 2006, 132, 2685-2700.	4.7	441
10	Ensembl Genomes 2020â€”enabling non-vertebrate genomic research. <i>Nucleic Acids Research</i> , 2020, 48, D689-D695.	14.5	416
11	The Secular Evolution of Disk Structural Parameters. <i>Astrophysical Journal</i> , 2006, 645, 209-227.	4.5	365
12	The Metamorphosis of Tidally Stirred Dwarf Galaxies. <i>Astrophysical Journal</i> , 2001, 559, 754-784.	4.5	312
13	Velocity and spatial biases in cold dark matter subhalo distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, 535-546.	4.4	289
14	The Effect of Gas Cooling on the Shapes of Dark Matter Halos. <i>Astrophysical Journal</i> , 2004, 611, L73-L76.	4.5	279
15	The formation of disc galaxies in a Λ CDM universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 1391-1408.	4.4	234
16	Density Profiles of Cold Dark Matter Substructure: Implications for the Missingâ€”Satellites Problem. <i>Astrophysical Journal</i> , 2004, 608, 663-679.	4.5	226
17	Non-linear evolution of cosmological structures in warm dark matter models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 684-698.	4.4	217
18	Does the Fornax dwarf spheroidal have a central cusp or core?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 1073-1077.	4.4	213

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19	Tidal Stirring and the Origin of Dwarf Spheroidals in the Local Group. <i>Astrophysical Journal</i> , 2001, 547, L123-L127.	4.5	208
20	Convergence and scatter of cluster density profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 353, 624-632.	4.4	206
21	Generating Equilibrium Dark Matter Halos: Inadequacies of the Local Maxwellian Approximation. <i>Astrophysical Journal</i> , 2004, 601, 37-46.	4.5	204
22	Cores in warm dark matter haloes: a Catch 22 problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1105-1112.	4.4	204
23	Dark matter direct detection with non-Maxwellian velocity structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 030-030.	5.4	182
24	Morphological evolution of discs in clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 607-619.	4.4	181
25	The origin of the Magellanic Stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 270, 209-221.	4.4	173
26	Cusps in cold dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 665-673.	4.4	168
27	Disc formation and the origin of clumpy galaxies at high redshift. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 397, L64-L68.	3.3	167
28	The distribution and kinematics of early high- l_f peaks in present-day haloes: implications for rare objects and old stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 367-383.	4.4	156
29	A universal density slope $\hat{\alpha}$ Velocity anisotropy relation for relaxed structures. <i>New Astronomy</i> , 2006, 11, 333-338.	1.8	154
30	The Causes of Halo Shape Changes Induced by Cooling Baryons: Disks versus Substructures. <i>Astrophysical Journal</i> , 2008, 681, 1076-1088.	4.5	153
31	Mass distribution in galaxy clusters: the role of Active Galactic Nuclei feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 195-208.	4.4	153
32	Empirical Models for Dark Matter Halos. II. Inner Profile Slopes, Dynamical Profiles, and β . <i>Astronomical Journal</i> , 2006, 132, 2701-2710.	4.7	141
33	On the Destruction and Overmerging of Dark Halos in Dissipationless N-Body Simulations. <i>Astrophysical Journal</i> , 1996, 457, 455.	4.5	135
34	Dynamical friction in constant density cores: a failure of the Chandrasekhar formula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 1451-1460.	4.4	133
35	The effects of baryon physics, black holes and active galactic nucleus feedback on the mass distribution in clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 3081-3091.	4.4	126
36	From planetesimals to terrestrial planets: N-body simulations including the effects of nebular gas and giant planets. <i>Icarus</i> , 2010, 207, 517-535.	2.5	124

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37	The Fate of Supermassive Black Holes and the Evolution of the $M_{BH} - \dot{M}$ Relation in Merging Galaxies: The Effect of Gaseous Dissipation. <i>Astrophysical Journal</i> , 2005, 623, L67-L70.	4.5	119
38	Cooling flows within galactic haloes: the kinematics and properties of infalling multiphase gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1612-1622.	4.4	116
39	Large-scale galactic turbulence: can self-gravity drive the observed $H\alpha$ velocity dispersions?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 294-308.	4.4	112
40	Surface brightness of dark matter: Unique signatures of neutralino annihilation in the galactic halo. <i>Physical Review D</i> , 2000, 62, .	4.7	111
41	The Source of Ionization along the Magellanic Stream. <i>Astrophysical Journal</i> , 2007, 670, L109-L112.	4.5	107
42	Cuspâ€‘core transformations induced by AGN feedback in the progenitors of cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1947-1954.	4.4	105
43	Bulges or Bars from Secular Evolution?. <i>Astrophysical Journal</i> , 2004, 604, L93-L96.	4.5	104
44	CORE CREATION IN GALAXIES AND HALOS VIA SINKING MASSIVE OBJECTS. <i>Astrophysical Journal</i> , 2010, 725, 1707-1716.	4.5	103
45	Constraints on the Global Mass-to-Light Ratios and on the Extent of Dark Matter Halos in Globular Clusters and Dwarf Spheroidals. <i>Astrophysical Journal</i> , 1996, 461, .	4.5	102
46	Collisional versus Collisionless Dark Matter. <i>Astrophysical Journal</i> , 2000, 535, L21-L24.	4.5	95
47	Dark matter in Draco and the Local Group: Implications for direct detection experiments. <i>Physical Review D</i> , 2001, 64, .	4.7	95
48	Tidal debris of dwarf spheroidals as a probe of structure formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 336, 119-130.	4.4	89
49	Two-body relaxation in cold dark matter simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 348, 977-986.	4.4	89
50	Systematic uncertainties in the determination of the local dark matter density. <i>Physical Review D</i> , 2010, 82, .	4.7	89
51	Where Are the High-Velocity Clouds?. <i>Astrophysical Journal</i> , 2001, 555, L95-L98.	4.5	80
52	The Kinematic Signature of Faceâ€‘on Peanutâ€‘shaped Bulges. <i>Astrophysical Journal</i> , 2005, 628, 678-694.	4.5	79
53	The formation of the brightest cluster galaxies in cosmological simulations: the case for active galactic nucleus feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 2859-2873.	4.4	76
54	The formation of ultra-compact dwarf galaxies and nucleated dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 2136-2142.	4.4	72

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55	The Origin of Polar Ring Galaxies: Evidence for Galaxy Formation by Cold Accretion. <i>Astrophysical Journal</i> , 2006, 636, L25-L28.	4.5	71
56	The orbital evolution induced by baryonic condensation in triaxial haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 525-544.	4.4	70
57	A systematic look at the effects of radiative feedback on disc galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2837-2853.	4.4	69
58	Formation and Accretion History of Terrestrial Planets from Runaway Growth through to Late Time: Implications for Orbital Eccentricity. <i>Astrophysical Journal</i> , 2008, 685, 1247-1261.	4.5	64
59	The graininess of dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 641-659.	4.4	64
60	The Formation of Quasars in Low-Luminosity Hosts via Galaxy Harassment. <i>Astrophysical Journal</i> , 1998, 495, 152-156.	4.5	64
61	What's up in the Milky Way? The orientation of the disc relative to the triaxial halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2971-2981.	4.4	59
62	The origin and tidal evolution of cuspy triaxial haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 522-528.	4.4	55
63	Empirical Models for Dark Matter Halos. III. The Kormendy Relation and the $\log_{10}(\sigma_{1/2}/\sigma_{200})$ Relation. <i>Astronomical Journal</i> , 2006, 132, 2711-2716.	4.7	52
64	Impact of dark matter microhalos on signatures for direct and indirect detection. <i>Physical Review D</i> , 2010, 82, .	4.7	52
65	The biasing of baryons on the cluster mass function and cosmological parameter estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2290-2299.	4.4	51
66	Do Clusters Contain a Large Population of Dwarf Galaxies?. <i>Astrophysical Journal</i> , 2001, 546, 157-164.	4.5	50
67	Discreteness Effects in Λ CDM Simulations: A Wavelet-Statistical View. <i>Astrophysical Journal</i> , 2008, 686, 1-12.	4.5	47
68	CENTRAL MASS AND LUMINOSITY OF MILKY WAY SATELLITES IN THE Λ COLD DARK MATTER MODEL. <i>Astrophysical Journal</i> , 2009, 692, L109-L112.	4.5	45
69	Towards an accurate mass function for precision cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1866-1882.	4.4	45
70	Stochasticity and predictability in terrestrial planet formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2170-2188.	4.4	39
71	A universal velocity distribution of relaxed collisionless structures. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 014-014.	5.4	37
72	Multimass spherical structure models for N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1543-1556.	4.4	35

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73	Brightest cluster galaxies in cosmological simulations with adaptive mesh refinement: successes and failures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1500-1508.	4.4	34
74	Tidal streams in a MOND potential: constraints from Sagittarius. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 971-976.	4.4	33
75	The baryonic mass-velocity relation: clues to feedback processes during structure formation and the cosmic baryon inventory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 477-484.	4.4	31
76	Dependence of the local reionization history on halo mass and environment: did Virgo reionize the Local Group?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 367-376.	4.4	28
77	Evidence for inhomogeneous reionization in the local Universe from metal-poor globular cluster systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2177-2189.	4.4	28
78	An optimum time-stepping scheme for N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 273-286.	4.4	26
79	LEDA 074886: A REMARKABLE RECTANGULAR-LOOKING GALAXY. <i>Astrophysical Journal</i> , 2012, 750, 121.	4.5	25
80	Internal alignments of red versus blue discs in dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4094-4110.	4.4	24
81	Reionization of the Local Group of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2093-2102.	4.4	22
82	An Alternative to Grids and Glasses: Quasiversal Pre-Initial Conditions for N-Body Simulations. <i>Astrophysical Journal</i> , 2007, 656, 631-635.	4.5	21
83	Merger and ring galaxy formation rates at $z \approx 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 1275-1283.	4.4	21
84	Precision cosmology in muddy waters: cosmological constraints and N-body codes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 249-268.	4.4	21
85	The same with less: the cosmic web of warm versus cold dark matter dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4413-4423.	4.4	17
86	Faint Galaxy Population in Clusters: X-Ray Emission, cD Halos, and Projection Effects. <i>Astrophysical Journal</i> , 2004, 603, 67-73.	4.5	11
87	On the stability of tidal streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1569-1576.	4.4	10
88	The Morphological Evolution of Galaxy Satellites. <i>Astrophysics and Space Science</i> , 2001, 276, 375-382.	1.4	7
89	On the age-radius relation and orbital history of cluster galaxies. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, .	0.0	5
90	Dark matter. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 3259-3276.	3.4	3

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91	Ram-Pressure Induced Star Formation in the LMC. Publications of the Astronomical Society of Australia, 2008, 25, 138-148.	3.4	3
92	Inferring the dark matter velocity anisotropy to the cluster edge. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3151-3161.	4.4	3
93	The fate of LSB galaxies in clusters and the origin of the diffuse intra-cluster light. International Astronomical Union Colloquium, 1999, 171, 229-236.	0.1	2
94	Galaxy Harassment " Interactions For The 90S. , 1999, , 393-400.		2
95	Dynamical Effects on Galaxies in Clusters. Symposium - International Astronomical Union, 1996, 171, 203-206.	0.1	1
96	Galaxy Harassment " Interactions for the 90s. Symposium - International Astronomical Union, 1999, 186, 393-400.	0.1	1
97	Bulges and black holes: Harassing the hosts. Advances in Space Research, 1999, 23, 937-948.	2.6	0
98	How common are Earth-Moon planetary systems?. Proceedings of the International Astronomical Union, 2010, 6, 414-415.	0.0	0
99	The Dark and Light Side of Galaxy Formation: Is an End in Sight?. , 2010, , .		0
100	The role of Active Galactic Nuclei feedback in the formation of the brightest cluster galaxies. Proceedings of the International Astronomical Union, 2012, 8, 362-365.	0.0	0