

# Andrey Kravtsov

## List of Publications by Year in descending order

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152  
papers

27,081  
citations

8208

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10129

145  
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docs citations

153  
times ranked

8513  
citing authors

#	ARTICLE	IF	CITATIONS
1	From dawn till disc: Milky Way's turbulent youth revealed by the APOGEE+ <i>Gaia</i> data. Monthly Notices of the Royal Astronomical Society, 2022, 514, 689-714.	1.6	66
2	<scp>grumpy</scp>: a simple framework for realistic forward modelling of dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2667-2691.	1.6	18
3	Cosmic-Ray Diffusion Suppression in Star-forming Regions Inhibits Clump Formation in Gas-rich Galaxies. Astrophysical Journal, 2021, 910, 126.	1.6	32
4	Evolution of splashback boundaries and gaseous outskirts: insights from mergers of self-similar galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 839-863.	1.6	10
5	Thermal instability in the CGM of <i>L</i> galaxies: testing "precipitation" models with the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1841-1862.	1.6	19
6	Spatial Decorrelation of Young Stars and Dense Gas as a Probe of the Star Formation "Feedback Cycle in Galaxies. Astrophysical Journal, 2021, 918, 13.	1.6	18
7	The Sheet of Giants: Unusual properties of the Milky Way's immediate neighbourhood. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2600-2617.	1.6	17
8	The three causes of low-mass assembly bias. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4763-4782.	1.6	42
9	Signatures of self-interacting dark matter on cluster density profile and subhalo distributions. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	1.9	50
10	Milky Way Satellite Census. II. Galaxy "Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. Astrophysical Journal, 2020, 893, 48.	1.6	101
11	Stellar-mass Measurements in A133 with Magellan/IMACS. Astrophysical Journal, 2020, 892, 34.	1.6	1
12	Clustering constraints on the relative sizes of central and satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1805-1819.	1.6	11
13	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2900-2918.	1.6	52
14	What Sets the Slope of the Molecular Kennicutt "Schmidt Relation?. Astrophysical Journal, 2019, 870, 79.	1.6	18
15	Imprints of mass accretion history on the shape of the intracluster medium and the TX "M relation. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2380-2389.	1.6	27
16	Enforcing the Courant "Friedrichs "Lewy condition in explicitly conservative local time stepping schemes. Journal of Computational Physics, 2018, 359, 93-105.	1.9	41
17	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. Astrophysical Journal, 2018, 864, 83.	1.6	69
18	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4614-4635.	1.6	31

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19	Quenching of satellite galaxies at the outskirts of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3654-3681.	1.6	59
20	How Galaxies Form Stars: The Connection between Local and Global Star Formation in Galaxy Simulations. Astrophysical Journal, 2018, 861, 4.	1.6	66
21	Observing the circumgalactic medium of simulated galaxies through synthetic absorption spectra. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1822-1835.	1.6	17
22	Umbrella sampling: a powerful method to sample tails of distributions. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4069-4079.	1.6	15
23	The Halo Boundary of Galaxy Clusters in the SDSS. Astrophysical Journal, 2017, 841, 18.	1.6	78
24	Splashback Shells of Cold Dark Matter Halos. Astrophysical Journal, 2017, 841, 34.	1.6	67
25	STAR CLUSTER FORMATION IN COSMOLOGICAL SIMULATIONS. I. PROPERTIES OF YOUNG CLUSTERS. Astrophysical Journal, 2017, 834, 69.	1.6	107
26	The Splashback Radius of Halos from Particle Dynamics. II. Dependence on Mass, Accretion Rate, Redshift, and Cosmology. Astrophysical Journal, 2017, 843, 140.	1.6	94
27	The Physical Origin of Long Gas Depletion Times in Galaxies. Astrophysical Journal, 2017, 845, 133.	1.6	88
28	NONUNIVERSAL STAR FORMATION EFFICIENCY IN TURBULENT ISM. Astrophysical Journal, 2016, 826, 200.	1.6	92
29	THE IMPACT OF STELLAR FEEDBACK ON THE STRUCTURE, SIZE, AND MORPHOLOGY OF GALAXIES IN MILKY-WAY-SIZED DARK MATTER HALOS. Astrophysical Journal, 2016, 824, 79.	1.6	96
30	The role of penetrating gas streams in setting the dynamical state of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 461, 412-432.	1.6	30
31	Column density profiles of multiphase gaseous haloes. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1164-1187.	1.6	58
32	ON DETECTING HALO ASSEMBLY BIAS WITH GALAXY POPULATIONS. Astrophysical Journal, 2016, 819, 119.	1.6	91
33	DETECTION OF THE SPLASHBACK RADIUS AND HALO ASSEMBLY BIAS OF MASSIVE GALAXY CLUSTERS. Astrophysical Journal, 2016, 825, 39.	1.6	135
34	THE SPLASHBACK RADIUS AS A PHYSICAL HALO BOUNDARY AND THE GROWTH OF HALO MASS. Astrophysical Journal, 2015, 810, 36.	1.6	230
35	A UNIVERSAL MODEL FOR HALO CONCENTRATIONS. Astrophysical Journal, 2015, 799, 108.	1.6	295
36	ON THE INTERPLAY BETWEEN STAR FORMATION AND FEEDBACK IN GALAXY FORMATION SIMULATIONS. Astrophysical Journal, 2015, 804, 18.	1.6	180

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37	PREVENTING STAR FORMATION IN EARLY-TYPE GALAXIES WITH LATE-TIME STELLAR HEATING. <i>Astrophysical Journal</i> , 2015, 803, 77.	1.6	51
38	ON THE INTERMEDIATE-REDSHIFT CENTRAL STELLAR MASS-HALO MASS RELATION, AND IMPLICATIONS FOR THE EVOLUTION OF THE MOST MASSIVE GALAXIES SINCE $z \approx 1$ . <i>Astrophysical Journal Letters</i> , 2014, 797, L27.	3.0	37
39	Modelling mass distribution in elliptical galaxies: mass profiles and their correlation with velocity dispersion profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3670-3687.	1.6	30
40	ON THE MASS OF THE LOCAL GROUP. <i>Astrophysical Journal</i> , 2014, 793, 91.	1.6	47
41	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 14.	3.0	185
42	DEPENDENCE OF THE OUTER DENSITY PROFILES OF HALOS ON THEIR MASS ACCRETION RATE. <i>Astrophysical Journal</i> , 2014, 789, 1.	1.6	316
43	TOWARD A COMPLETE ACCOUNTING OF ENERGY AND MOMENTUM FROM STELLAR FEEDBACK IN GALAXY FORMATION SIMULATIONS. <i>Astrophysical Journal</i> , 2013, 770, 25.	1.6	371
44	A Transparent Collective I/O Implementation. , 2013, , .		6
45	Bias from gas inhomogeneities in the pressure profiles as measured from X-ray and Sunyaev-Zeldovich observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 954-965.	1.6	33
46	Quantifying properties of ICM inhomogeneities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 3274-3287.	1.6	93
47	SIMULATIONS OF DISK GALAXIES WITH COSMIC RAY DRIVEN GALACTIC WINDS. <i>Astrophysical Journal Letters</i> , 2013, 777, L16.	3.0	165
48	SATELLITES IN MILKY-WAY-LIKE HOSTS: ENVIRONMENT DEPENDENCE AND CLOSE PAIRS. <i>Astrophysical Journal</i> , 2013, 770, 96.	1.6	35
49	THE SIZE-VIRIAL RADIUS RELATION OF GALAXIES. <i>Astrophysical Journal Letters</i> , 2013, 764, L31.	3.0	252
50	ON THE EVOLUTION OF CLUSTER SCALING RELATIONS. <i>Astrophysical Journal</i> , 2013, 779, 159.	1.6	24
51	THE PSEUDO-EVOLUTION OF HALO MASS. <i>Astrophysical Journal</i> , 2013, 766, 25.	1.6	156
52	CONSTRAINING CLUSTER PHYSICS WITH THE SHAPE OF X-RAY CLUSTERS: COMPARISON OF LOCAL X-RAY CLUSTERS VERSUS $\Lambda$ CDM CLUSTERS. <i>Astrophysical Journal</i> , 2012, 755, 116.	1.6	27
53	ON THE ORIGIN OF THE HIGH COLUMN DENSITY TURNOVER IN THE H I COLUMN DENSITY DISTRIBUTION. <i>Astrophysical Journal</i> , 2012, 761, 54.	1.6	23
54	THE IMPACT OF BARYON PHYSICS ON THE STRUCTURE OF HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2012, 748, 54.	1.6	56

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55	BARYON CONTENT OF MASSIVE GALAXY CLUSTERS AT $z = 0-0.6$ . <i>Astrophysical Journal Letters</i> , 2012, 745, L3.	3.0	79
56	Hierarchical task mapping of cell-based AMR cosmology simulations. , 2012, , .		7
57	Improving Parallel IO Performance of Cell-based AMR Cosmology Applications. , 2012, , .		16
58	Formation of Galaxy Clusters. <i>Annual Review of Astronomy and Astrophysics</i> , 2012, 50, 353-409.	8.1	579
59	THE X-FACTOR IN GALAXIES. II. THE MOLECULAR-HYDROGEN-STAR-FORMATION RELATION. <i>Astrophysical Journal</i> , 2012, 758, 127.	1.6	45
60	THE X-FACTOR IN GALAXIES. I. DEPENDENCE ON ENVIRONMENT AND SCALE. <i>Astrophysical Journal</i> , 2012, 747, 124.	1.6	104
61	ULTRA-FAINT DWARF GALAXIES AS A TEST OF EARLY ENRICHMENT AND METALLICITY-DEPENDENT STAR FORMATION. <i>Astrophysical Journal</i> , 2012, 745, 68.	1.6	13
62	Constraints on the ICM velocity power spectrum from the X-ray lines width and shift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2712-2724.	1.6	40
63	FUEL EFFICIENT GALAXIES: SUSTAINING STAR FORMATION WITH STELLAR MASS LOSS. <i>Astrophysical Journal</i> , 2011, 734, 48.	1.6	141
64	ENVIRONMENTAL DEPENDENCE OF THE KENNICUTT-SCHMIDT RELATION IN GALAXIES. <i>Astrophysical Journal</i> , 2011, 728, 88.	1.6	198
65	ON THE ACCURACY OF WEAK-LENSING CLUSTER MASS RECONSTRUCTIONS. <i>Astrophysical Journal</i> , 2011, 740, 25.	1.6	231
66	CONSTRAINING HALO OCCUPATION PROPERTIES OF X-RAY ACTIVE GALACTIC NUCLEI USING CLUSTERING OF <i>CHANDRA</i> SOURCES IN THE BOÅ–TES SURVEY REGION. <i>Astrophysical Journal</i> , 2011, 741, 15.	1.6	51
67	SHAPES OF GAS, GRAVITATIONAL POTENTIAL, AND DARK MATTER IN $\Lambda$ CDM CLUSTERS. <i>Astrophysical Journal</i> , 2011, 734, 93.	1.6	55
68	Performance Emulation of Cell-Based AMR Cosmology Simulations. , 2011, , .		7
69	IMPLEMENTING THE DC MODE IN COSMOLOGICAL SIMULATIONS WITH SUPERCOMOVING VARIABLES. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 46.	3.0	65
70	ON DETERMINING THE SHAPE OF MATTER DISTRIBUTIONS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 30.	3.0	99
71	THE OVERDENSITY AND MASSES OF THE FRIENDS-OF-FRIENDS HALOS AND UNIVERSALITY OF HALO MASS FUNCTION. <i>Astrophysical Journal, Supplement Series</i> , 2011, 195, 4.	3.0	115
72	Cosmological Simulations of Galaxy Clusters. <i>Advanced Science Letters</i> , 2011, 4, 204-227.	0.2	106

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73	THE METAL-ENRICHED OUTER DISK OF NGC 2915. <i>Astrophysical Journal</i> , 2010, 715, 656-664.	1.6	45
74	ON THE KENNICUTT-SCHMIDT RELATION OF LOW-METALLICITY HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2010, 714, 287-295.	1.6	103
75	THE LARGE-SCALE BIAS OF DARK MATTER HALOS: NUMERICAL CALIBRATION AND MODEL TESTS. <i>Astrophysical Journal</i> , 2010, 724, 878-886.	1.6	733
76	On the Kennicutt-Schmidt Relation of Low-Metallicity High-Redshift Galaxies. , 2010, , .		0
77	Computational Eulerian hydrodynamics and Galilean invariance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2463-2476.	1.6	79
78	Dark Matter Substructure and Dwarf Galactic Satellites. <i>Advances in Astronomy</i> , 2010, 2010, 1-21.	0.5	132
79	Dwarf-Galaxy Cosmology. <i>Advances in Astronomy</i> , 2010, 2010, 1-2.	0.5	0
80	Distribution of annihilation luminosities in dark matter substructure. <i>Physical Review D</i> , 2010, 82, .	1.6	7
81	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
82	MODELING MOLECULAR HYDROGEN AND STAR FORMATION IN COSMOLOGICAL SIMULATIONS. <i>Astrophysical Journal</i> , 2009, 697, 55-67.	1.6	215
83	RESIDUAL GAS MOTIONS IN THE INTRACLUSTER MEDIUM AND BIAS IN HYDROSTATIC MEASUREMENTS OF MASS PROFILES OF CLUSTERS. <i>Astrophysical Journal</i> , 2009, 705, 1129-1138.	1.6	352
84	EVOLUTION OF DARK MATTER PHASE-SPACE DENSITY DISTRIBUTIONS IN EQUAL-MASS HALO MERGERS. <i>Astrophysical Journal</i> , 2009, 698, 1813-1825.	1.6	8
85	Cosmological radiative transfer comparison project "II. The radiation-hydrodynamic tests. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1283-1316.	1.6	94
86	Evolution of the dark matter phase-space density distributions of $\Lambda$ CDM haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1225-1236.	1.6	31
87	COLLAPSE BARRIERS AND HALO ABUNDANCE: TESTING THE EXCURSION SET ANSATZ. <i>Astrophysical Journal</i> , 2009, 696, 636-652.	1.6	84
88	Escape of Ionizing Radiation from High-Redshift Galaxies. <i>Astrophysical Journal</i> , 2008, 672, 765-775.	1.6	229
89	Cold Dark Matter Substructure and Galactic Disks. I. Morphological Signatures of Hierarchical Satellite Accretion. <i>Astrophysical Journal</i> , 2008, 688, 254-276.	1.6	257
90	Resolving Gas Dynamics in the Circumnuclear Region of a Disk Galaxy in a Cosmological Simulation. <i>Astrophysical Journal</i> , 2008, 678, 154-167.	1.6	44

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91	Toward a Halo Mass Function for Precision Cosmology: The Limits of Universality. <i>Astrophysical Journal</i> , 2008, 688, 709-728.	1.6	1,387
92	The Impact of Baryonic Cooling on Giant Arc Abundances. <i>Astrophysical Journal</i> , 2008, 687, 22-38.	1.6	39
93	Molecular Hydrogen and Global Star Formation Relations in Galaxies. <i>Astrophysical Journal</i> , 2008, 680, 1083-1111.	1.6	251
94	Effects of Baryons and Dissipation on the Matter Power Spectrum. <i>Astrophysical Journal</i> , 2008, 672, 19-32.	1.6	328
95	Scaling Relations of Dwarf Galaxies without Supernova-driven Winds. <i>Astrophysical Journal</i> , 2008, 672, 888-903.	1.6	82
96	Effects of Galaxy Formation on Thermodynamics of the Intracluster Medium. <i>Astrophysical Journal</i> , 2007, 668, 1-14.	1.6	535
97	On Relaxation Processes in Collisionless Mergers. <i>Astrophysical Journal</i> , 2007, 658, 731-747.	1.6	27
98	The Hierarchical Build-up of Massive Galaxies and the Intracluster Light since $z = 1$ . <i>Astrophysical Journal</i> , 2007, 668, 826-838.	1.6	188
99	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
100	Testing X-ray Measurements of Galaxy Clusters with Cosmological Simulations. <i>Astrophysical Journal</i> , 2007, 655, 98-108.	1.6	426
101	Modeling Luminosity-dependent Galaxy Clustering through Cosmic Time. <i>Astrophysical Journal</i> , 2006, 647, 201-214.	1.6	654
102	A New Robust Low-Scatter X-ray Mass Indicator for Clusters of Galaxies. <i>Astrophysical Journal</i> , 2006, 650, 128-136.	1.6	394
103	The Robustness of Dark Matter Density Profiles in Dissipationless Mergers. <i>Astrophysical Journal</i> , 2006, 641, 647-664.	1.6	85
104	Constraining the Projected Radial Distribution of Galactic Satellites with the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2006, 647, 86-101.	1.6	56
105	Fossils of Reionization in the Local Group. <i>Astrophysical Journal</i> , 2006, 645, 1054-1061.	1.6	73
106	A Large Dark Matter Core in the Fornax Dwarf Spheroidal Galaxy?. <i>Astrophysical Journal</i> , 2006, 652, 306-312.	1.6	78
107	The Dependence of Halo Clustering on Halo Formation History, Concentration, and Occupation. <i>Astrophysical Journal</i> , 2006, 652, 71-84.	1.6	430
108	Galaxy orbits and the intracluster gas temperature in clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 427-434.	1.6	22

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109	Chandra Sample of Nearby Relaxed Galaxy Clusters: Mass, Gas Fraction, and Mass-Temperature Relation. <i>Astrophysical Journal</i> , 2006, 640, 691-709.	1.6	1,100
110	Impact of Dark Matter Substructure on the Matter and Weak-Lensing Power Spectra. <i>Astrophysical Journal</i> , 2005, 633, 537-541.	1.6	19
111	The Radial Distribution of Galaxies in $\Lambda$ Cold Dark Matter Clusters. <i>Astrophysical Journal</i> , 2005, 618, 557-568.	1.6	214
112	Formation of Globular Clusters in Hierarchical Cosmology. <i>Astrophysical Journal</i> , 2005, 623, 650-665.	1.6	278
113	The Physics of Galaxy Clustering. I. A Model for Subhalo Populations. <i>Astrophysical Journal</i> , 2005, 624, 505-525.	1.6	300
114	Effects of Cooling and Star Formation on the Baryon Fractions in Clusters. <i>Astrophysical Journal</i> , 2005, 625, 588-598.	1.6	179
115	The Anisotropic Distribution of Galactic Satellites. <i>Astrophysical Journal</i> , 2005, 629, 219-232.	1.6	233
116	Supersonic motions of galaxies in clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 358, 139-148.	1.6	87
117	Galaxy-galaxy lensing: dissipationless simulations versus the halo model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 1451-1462.	1.6	106
118	Response of Dark Matter Halos to Condensation of Baryons: Cosmological Simulations and Improved Adiabatic Contraction Model. <i>Astrophysical Journal</i> , 2004, 616, 16-26.	1.6	746
119	The Dark Side of the Halo Occupation Distribution. <i>Astrophysical Journal</i> , 2004, 609, 35-49.	1.6	744
120	The Tumultuous Lives of Galactic Dwarfs and the Missing Satellites Problem. <i>Astrophysical Journal</i> , 2004, 609, 482-497.	1.6	487
121	Density Profiles of $\Lambda$ CDM Clusters. <i>Astrophysical Journal</i> , 2004, 607, 125-139.	1.6	135
122	Modeling Galaxy-Mass Correlations in Dissipationless Simulations. <i>Astrophysical Journal</i> , 2004, 614, 533-546.	1.6	142
123	The Effect of Gas Cooling on the Shapes of Dark Matter Halos. <i>Astrophysical Journal</i> , 2004, 611, L73-L76.	1.6	279
124	Simulating the formation of galaxy clusters. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, .	0.0	4
125	Constrained Simulations of the Real Universe: The Local Supercluster. <i>Astrophysical Journal</i> , 2003, 596, 19-33.	1.6	113
126	On the Origin of the Global Schmidt Law of Star Formation. <i>Astrophysical Journal</i> , 2003, 590, L1-L4.	1.6	219



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127	Cold Fronts in Cold Dark Matter Clusters. <i>Astrophysical Journal</i> , 2003, 587, 514-523.	1.6	52
128	Sample Variance Considerations for Cluster Surveys. <i>Astrophysical Journal</i> , 2003, 584, 702-715.	1.6	360
129	Effect of Internal Flows on Sunyaev-Zeldovich Measurements of Cluster Peculiar Velocities. <i>Astrophysical Journal</i> , 2003, 587, 524-532.	1.6	75
130	Lensing Optical Depths for Substructure and Isolated Dark Matter Halos. <i>Astrophysical Journal</i> , 2003, 592, 24-31.	1.6	68
131	The Origin of Angular Momentum in Dark Matter Halos. <i>Astrophysical Journal</i> , 2002, 581, 799-809.	1.6	290
132	Concentrations of Dark Halos from Their Assembly Histories. <i>Astrophysical Journal</i> , 2002, 568, 52-70.	1.6	953
133	Constrained Simulations of the Real Universe. II. Observational Signatures of Intergalactic Gas in the Local Supercluster Region. <i>Astrophysical Journal</i> , 2002, 571, 563-575.	1.6	227
134	Resolving the Structure of Cold Dark Matter Halos. <i>Astrophysical Journal</i> , 2001, 554, 903-915.	1.6	384
135	Merging History as a Function of Halo Environment. <i>Astrophysical Journal</i> , 2001, 546, 223-233.	1.6	148
136	Velocity Bias in a $\Lambda$ Cold Dark Matter Model. <i>Astrophysical Journal</i> , 2000, 539, 561-569.	1.6	94
137	Reionization and the Abundance of Galactic Satellites. <i>Astrophysical Journal</i> , 2000, 539, 517-521.	1.6	716
138	On the supernova heating of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 227-238.	1.6	52
139	Where Are the Missing Galactic Satellites?. <i>Astrophysical Journal</i> , 1999, 522, 82-92.	1.6	2,181
140	Density profiles of dark matter haloes: diversity and dependence on environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 310, 527-539.	1.6	78
141	Evolution of Bias in Different Cosmological Models. <i>Astrophysical Journal</i> , 1999, 523, 32-53.	1.6	132
142	Galaxies in N-body Simulations: Overcoming the Overmerging Problem. <i>Astrophysical Journal</i> , 1999, 516, 530-551.	1.6	431
143	The Origin and Evolution of Halo Bias in Linear and Nonlinear Regimes. <i>Astrophysical Journal</i> , 1999, 520, 437-453.	1.6	115
144	Energy distributions of excited muonic atoms in deuterium-tritium gas mixtures. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1998, 20, 155-174.	0.4	4

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145	The Cores of Dark Matterâ€“Dominated Galaxies: Theory versus Observations. <i>Astrophysical Journal</i> , 1998, 502, 48-58.	1.6	294
146	Adaptive Refinement Tree: A New Highâ€“ResolutionNâ€“Body Code for Cosmological Simulations. <i>Astrophysical Journal, Supplement Series</i> , 1997, 111, 73-94.	3.0	565
147	Gamma-ray and electron spectra from decay of hydrogen-helium muonic molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 233, 405-409.	0.9	8
148	Estimation of the nuclear fusion rate in the $d^{1/4}3\text{He}$ molecule. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 219, 86-88.	0.9	19
149	Muonic hydrogen scattering by light nuclei. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 223, 129-131.	0.9	3
150	Elastic scattering of excited muonic hydrogen. <i>Physical Review A</i> , 1996, 53, 4169-4175.	1.0	15
151	Muon transfer in excited muonic hydrogen. <i>Physical Review A</i> , 1994, 50, 518-524.	1.0	18
152	Fundamental differences between SPH and grid methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 380, 963-978.	1.6	525