Renyue Cen

List of Publications by Year
in descending order

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194 papers	14,525 citations	20759 60 h-index	19690 117 g-index
196 all docs	196 docs citations	196 times ranked	6074 citing authors

#	Article	IF	Citations
1	Where Are the Baryons?. Astrophysical Journal, 1999, 514, 1-6.	1.6	883
2	Baryons in the Warmâ€Hot Intergalactic Medium. Astrophysical Journal, 2001, 552, 473-483.	1.6	675
3	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. Astrophysical Journal, Supplement Series, 2014, 211, 19.	3.0	615
4	21cmfast: a fast, seminumerical simulation of the high-redshift 21-cm signal. Monthly Notices of the Royal Astronomical Society, 2011, 411, 955-972.	1.6	533
5	Gravitational collapse of small-scale structure as the origin of the Lyman-alpha forest. Astrophysical Journal, 1994, 437, L9.	1.6	404
6	The Protogalactic Origin for Cosmic Magnetic Fields. Astrophysical Journal, 1997, 480, 481-491.	1.6	392
7	The Opacity of the LyÎ± Forest and Implications for Î©band the Ionizing Background. Astrophysical Journal, 1997, 489, 7-20.	1.6	350
8	The LyÎ± Forest Power Spectrum from the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 163, 80-109.	3.0	341
9	The LyÎ± Forest from Gravitational Collapse in the Cold Dark Matter + Î› Model. Astrophysical Journal, 1996, 471, 582-616.	1.6	336
10	The Linear Theory Power Spectrum from the LyÎ± Forest in the Sloan Digital Sky Survey. Astrophysical Journal, 2005, 635, 761-783.	1.6	329
11	Where Are the Baryons? II. Feedback Effects. Astrophysical Journal, 2006, 650, 560-572.	1.6	309
12	A hydrodynamic approach to cosmology - Methodology. Astrophysical Journal, Supplement Series, 1992, 78, 341.	3.0	298
13	The Observed Probability Distribution Function, Power Spectrum, and Correlation Function of the Transmitted Flux in the LyÎ± Forest. Astrophysical Journal, 2000, 543, 1-23.	1.6	283
14	Galaxy formation and physical bias. Astrophysical Journal, 1992, 399, L113.	1.6	253
15	ESCAPE FRACTION OF IONIZING PHOTONS DURING REIONIZATION: EFFECTS DUE TO SUPERNOVA FEEDBACK AND RUNAWAY OB STARS. Astrophysical Journal, 2014, 788, 121.	1.6	250
16	The Universe Was Reionized Twice. Astrophysical Journal, 2003, 591, 12-37.	1.6	248
17	IONIZING PHOTON ESCAPE FRACTIONS FROM HIGH-REDSHIFT DWARF GALAXIES. Astrophysical Journal, 2009, 693, 984-999.	1.6	240
18	Properties of Cosmic Shock Waves in Largeâ€Scale Structure Formation. Astrophysical Journal, 2000, 542, 608-621.	1.6	234

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19	Cosmic Chemical Evolution. Astrophysical Journal, 1999, 519, L109-L113.	1.6	217
20	Radiative Transfer Simulations of Cosmic Reionization. I. Methodology and Initial Results. Astrophysical Journal, 2007, 671, 1-13.	1.6	196
21	Constraining Î© with Cluster Evolution. Astrophysical Journal, 1997, 485, L53-L56.	1.6	192
22	The mass function of clusters of galaxies. Astrophysical Journal, 1993, 407, L49.	1.6	172
23	Comparison of reionization models: radiative transfer simulations and approximate, seminumeric models. Monthly Notices of the Royal Astronomical Society, 2011, 414, 727-738.	1.6	165
24	A piecewise parabolic method for cosmological hydrodynamics. Computer Physics Communications, 1995, 89, 149-168.	3.0	158
25	A Measurement of the Temperatureâ€Density Relation in the Intergalactic Medium Using a New LyÎ± Absorptionâ€Line Fitting Method. Astrophysical Journal, 2001, 562, 52-75.	1.6	150
26	The Implications of Wilkinson Microwave Anisotropy Probe Observations for Population III Star Formation Processes. Astrophysical Journal, 2003, 591, L5-L8.	1.6	137
27	RADIATIVE TRANSFER MODELING OF LyÎ± EMITTERS. I. STATISTICS OF SPECTRA AND LUMINOSITY. Astrophysical Journal, 2010, 716, 574-598.	1.6	133
28	Quasar StrÃ¶mgren Spheres Before Cosmological Reionization. Astrophysical Journal, 2000, 542, L75-L78.	1.6	128
29	Towards simulating star formation in turbulent high-z galaxies with mechanical supernova feedback. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2900-2921.	1.6	125
30	The Structure of Dark Matter Halos in Hierarchical Clustering Theories. Astrophysical Journal, 2000, 538, 528-542.	1.6	114
31	Imprint of Inhomogeneous Hydrogen Reionization on the Temperature Distribution of the Intergalactic Medium. Astrophysical Journal, 2008, 689, L81-L84.	1.6	113
32	Effects of Weak Gravitational Lensing from Large-Scale Structure on the Determination of [CLC][ITAL]q[/ITAL][TINF]0[/TINF][/CLC]. Astrophysical Journal, 1997, 475, L81-L84.	1.6	113
33	Physical effects on the LyÎ± forest flux power spectrum: damping wings, ionizing radiation fluctuations and galactic winds. Monthly Notices of the Royal Astronomical Society, 2005, 360, 1471-1482.	1.6	111
34	Cosmological Shock Waves in the Largeâ€Scale Structure of the Universe: Nongravitational Effects. Astrophysical Journal, 2007, 669, 729-740.	1.6	108
35	Galaxy clusters and cold dark matter - A low-density unbiased universe?. Astrophysical Journal, 1992, 398, L81.	1.6	100
36	The History of Cosmological Star Formation: Three Independent Approaches and a Critical Test Using the Extragalactic Background Light. Astrophysical Journal, 2006, 653, 881-893.	1.6	99

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37	Cosmic Reionization and the 21 cm Signal: Comparison between an Analytical Model and a Simulation. Astrophysical Journal, 2008, 689, 1-16.	1.6	99
38	Where Are the Baryons? III. Nonequilibrium Effects and Observables. Astrophysical Journal, 2006, 650, 573-591.	1.6	97
39	The Physical Origin of Scaleâ€dependent Bias in Cosmological Simulations. Astrophysical Journal, 1999, 522, 590-603.	1.6	94
40	Revealing the Warm-Hot Intergalactic Medium with O [CSC]vi[/CSC] Absorption. Astrophysical Journal, 2001, 559, L5-L8.	1.6	91
41	Testing Cosmological Models by Gravitational Lensing. I. Method and First Applications. Astrophysical Journal, 1998, 494, 29-46.	1.6	90
42	THE NATURE OF DAMPED LyÎ± SYSTEMS AND THEIR HOSTS IN THE STANDARD COLD DARK MATTER UNIVERSE. Astrophysical Journal, 2012, 748, 121.	1.6	88
43	Crawling the cosmic network: identifying and quantifying filamentary structure. Monthly Notices of the Royal Astronomical Society, 2010, 409, 156-168.	1.6	85
44	STAR FORMATION FEEDBACK AND METAL-ENRICHMENT HISTORY OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2011, 731, 11.	1.6	83
45	Physical Bias of Galaxies from Largeâ€Scale Hydrodynamic Simulations. Astrophysical Journal, 2000, 538, 83-91.	1.6	82
46	Decaying Cold Dark Matter Model and Small-Scale Power. Astrophysical Journal, 2001, 546, L77-L80.	1.6	81
47	Shockâ€heated Gas in the Largeâ€Scale Structure of the Universe. Astrophysical Journal, 2005, 620, 21-30.	1.6	76
48	Quantitative Signatures of Galactic Superwinds on LyÎ± Clouds and Metalâ€Line Systems. Astrophysical Journal, 2005, 635, 86-99.	1.6	75
49	Constraining Reionization with the Evolution of the Luminosity Function of LyÎ± Emitting Galaxies. Astrophysical Journal, 2005, 623, 627-631.	1.6	74
50	EXTENDED LyÎ± EMISSION AROUND STAR-FORMING GALAXIES. Astrophysical Journal, 2011, 739, 62.	1.6	72
51	Evolution of the Ionizing Radiation Background and Star Formation in the Aftermath of Cosmological Reionization. Astrophysical Journal, 2002, 570, 457-462.	1.6	72
52	Determining the Amplitude of Mass Fluctuations in the Universe. Astrophysical Journal, 1997, 490, L123-L126.	1.6	70
53	SCORCH. I. THE GALAXYâ€“HALO CONNECTION IN THE FIRST BILLION YEARS. Astrophysical Journal, 2015, 813, 54.	1.6	69
54	Time Evolution of Galaxy Formation and Bias in Cosmological Simulations. Astrophysical Journal, 2000, 531, 1-16.	1.6	69

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55	Star Formation History and Stellar Metallicity Distribution in a Cold Dark Matter Universe. Astrophysical Journal, 2001, 558, 497-504.	1.6	68
56	Cold Dark Matter Cosmology with Hydrodynamics and Galaxy Formation: The Evolution of the Intergalactic Medium and Background Radiation Fields. Astrophysical Journal, 1993, 417, 404.	1.6	67
57	Cold Dark Matter Cosmogony with Hydrodynamics and Galaxy Formation: Galaxy Properties at Redshift Zero. Astrophysical Journal, 1993, 417, 415.	1.6	67
58	Synchronized Formation of Subgalactic Systems at Cosmological Reionization: Origin of Halo Globular Clusters. Astrophysical Journal, 2001, 560, 592-598.	1.6	63
59	The relation of local measures of Hubble's constant to its global value. Astronomical Journal, 1992, 103, 1427.	1.9	63
60	Toward Understanding Galaxy Clusters and Their Constituents: Projection Effects on Velocity Dispersion, Xâ€Ray Emission, Mass Estimates, Gas Fraction, and Substructure. Astrophysical Journal, 1997, 485, 39-79.	1.6	60
61	A hydrodynamic treatment of the cold dark matter cosmological scenario. Astrophysical Journal, 1992, 393, 22.	1.6	60
62	Massive Galaxies and Extremely Red Objects atz= 1â€“3 in Cosmological Hydrodynamic Simulations: Nearâ€Infrared Properties. Astrophysical Journal, 2005, 627, 608-620.	1.6	59
63	ON THE ORIGIN OF THE HUBBLE SEQUENCE: I. INSIGHTS ON GALAXY COLOR MIGRATION FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2014, 781, 38.	1.6	58
64	The BUFFALO HST Survey. Astrophysical Journal, Supplement Series, 2020, 247, 64.	3.0	57
65	Is There a Missing Galaxy Problem at High Redshift?. Astrophysical Journal, 2004, 610, 45-50.	1.6	56
66	The Extended Star Formation History of the First Generation of Stars and the Reionization of Cosmic Hydrogen. Astrophysical Journal, 2007, 659, 890-907.	1.6	55
67	Cosmological H<scp>ii</scp>Bubble Growth during Reionization. Astrophysical Journal, 2008, 681, 756-770.	1.6	55
68	Lower Metal Enrichment of Virialized Gas in Minihalos. Astrophysical Journal, 2008, 674, 644-652.	1.6	54
69	SHOCK WAVES AND COSMIC RAY ACCELERATION IN THE OUTSKIRTS OF GALAXY CLUSTERS. Astrophysical Journal, 2014, 785, 133.	1.6	54
70	Metallicity Evolution of Damped LyÎ± Systems in Î›CDM Cosmology. Astrophysical Journal, 2003, 598, 741-755.	1.6	52
71	SUPERNOVA FEEDBACK AND THE HOT GAS FILLING FRACTION OF THE INTERSTELLAR MEDIUM. Astrophysical Journal, 2015, 814, 4.	1.6	52
72	UNDERSTANDING BLACK HOLE MASS ASSEMBLY VIA ACCRETION AND MERGERS AT LATE TIMES IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2015, 799, 178.	1.6	51

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73	Is There Still Room for Warm/Hot Gas? Simulating the X-Ray Background Spectrum. Astrophysical Journal, 2001, 554, L9-L12.	1.6	51
74	GALAXY SIZE PROBLEM AT z = 3: SIMULATED GALAXIES ARE TOO SMALL. Astrophysical Journal, 2009, 692, L1-L4.	1.6	51
75	Large-scale clustering of Lymanâ€‰Î± emission intensity from SDSS/BOSS. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3541-3572.	1.6	50
76	A tilted cold dark matter cosmological scenario. Astrophysical Journal, 1992, 399, L11.	1.6	50
77	The non-linear power spectrum of the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 017-017.	1.9	49
78	Strong gravitational lensing statistics as a test of cosmogonic scenarios. Astrophysical Journal, 1994, 423, 1.	1.6	48
79	Massive Galaxies in Cosmological Simulations: Ultravioletâ€selected Sample at Redshiftzâ€‰=â€‰2. Astrophysical Journal, 2005, 618, 23-37.	1.6	47
80	ENVIRONMENTALLY DRIVEN GLOBAL EVOLUTION OF GALAXIES. Astrophysical Journal, 2011, 741, 99.	1.6	47
81	Hot gas in superclusters and microwave background distortions. Astrophysical Journal, 1995, 442, 1.	1.6	46
82	A Constraint on the Gravitational Lensing Magnification and Age of the Redshiftzâ€‰=â€‰6.28 Quasar SDSS 1030+0524. Astrophysical Journal, 2002, 578, 702-707.	1.6	45
83	Probing the Reionization History Using the Spectra of Highâ€Redshift Sources. Astrophysical Journal, 2004, 613, 23-35.	1.6	45
84	The Topology of Cosmological Reionization. Astrophysical Journal, 2008, 675, 8-15.	1.6	45
85	Genus Topology of Structure in the Sloan Digital Sky Survey: Model Testing. Astrophysical Journal, 2008, 675, 16-28.	1.6	44
86	FORMATION OF GLOBULAR CLUSTERS IN ATOMIC-COOLING HALOS VIA RAPID GAS CONDENSATION AND FRAGMENTATION DURING THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 823, 52.	1.6	44
87	ENZO: An Adaptive Mesh Refinement Code for Astrophysics (Version 2.6). Journal of Open Source Software, 2019, 4, 1636.	2.0	44
88	ON THE DIFFUSE LyÎ±HALO AROUND LyÎ±EMITTING GALAXIES. Astrophysical Journal, 2015, 806, 46.	1.6	43
89	QUANTIFYING DISTRIBUTIONS OF THE LYMAN CONTINUUM ESCAPE FRACTION. Astrophysical Journal Letters, 2015, 801, L25.	3.0	42
90	A Hydrodynamic Approach to Cosmology: The Primeval Baryon Isocurvature Model. Astrophysical Journal, 1993, 415, 423.	1.6	42

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91	CosmoMHD: A Cosmological Magnetohydrodynamics Code. Astrophysical Journal, Supplement Series, 2008, 174, 1-12.	3.0	41
92	Massâ€Temperature Relation of Galaxy Clusters: A Theoretical Study. Astrophysical Journal, 2002, 564, 669-682.	1.6	41
93	X-ray clusters from a high-resolution hydrodynamic PPM simulation of the cold dark matter universe. Astrophysical Journal, 1994, 428, 405.	1.6	40
94	THE NATURE OF LyÎ± BLOBS: POWERED BY EXTREME STARBURSTS. Astrophysical Journal, 2013, 775, 112.	1.6	38
95	Galactic Wind Effects on the LyÎ± Absorption in the Vicinity of Galaxies. Astrophysical Journal, 2006, 638, 52-71.	1.6	37
96	Origin of Two Distinct Populations in Dwarf Spheroidal Galaxies. Astrophysical Journal, 2006, 641, 785-794.	1.6	36
97	SIMULATED VOID GALAXIES IN THE STANDARD COLD DARK MATTER MODEL. Astrophysical Journal, 2011, 735, 132.	1.6	36
98	A Hydrodynamic Approach to Cosmology: Nonlinear Effects on Cosmic Backgrounds in the Cold Dark Matter Model. Astrophysical Journal, 1993, 416, 399.	1.6	35
99	PROBING THE EPOCH OF REIONIZATION WITH THE LyÎ± FOREST AT z â^¼ 4-5. Astrophysical Journal, 2009, 706, L164-L167.	1.6	35
100	COINCIDENCES BETWEEN O VI AND O VII LINES: INSIGHTS FROM HIGH-RESOLUTION SIMULATIONS OF THE WARM-HOT INTERGALACTIC MEDIUM. Astrophysical Journal, 2012, 753, 17.	1.6	34
101	Effects on galaxy evolution: pair interactions versus environment. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2313-2334.	1.6	33
102	VALIDITY OF HYDROSTATIC EQUILIBRIUM IN GALAXY CLUSTERS FROM COSMOLOGICAL HYDRODYNAMICAL SIMULATIONS. Astrophysical Journal, 2013, 767, 79.	1.6	32
103	Luminosity Density of Galaxies and Cosmic Star Formation Rate from Î› Cold Dark Matter Hydrodynamical Simulations. Astrophysical Journal, 2000, 541, 25-36.	1.6	32
104	Helium Reionization Simulations. II. Signatures of Quasar Activity on the IGM. Astrophysical Journal, 2017, 841, 87.	1.6	31
105	PHYSICS OF COEVOLUTION OF GALAXIES AND SUPERMASSIVE BLACK HOLES. Astrophysical Journal, 2012, 755, 28.	1.6	30
106	On the Clustering of LyÎ± Clouds, Highâ€Redshift Galaxies, and Underlying Mass. Astrophysical Journal, 1998, 496, 577-585.	1.6	29
107	The Metal Enrichment and Temperature of the Intergalactic Medium. Astrophysical Journal, 2001, 546, L81-L85.	1.6	27
108	THE 21 cm FOREST AS A PROBE OF THE REIONIZATION AND THE TEMPERATURE OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2009, 704, 1396-1404.	1.6	27

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109	COMPARISONS OF COSMOLOGICAL MAGNETOHYDRODYNAMIC GALAXY CLUSTER SIMULATIONS TO RADIO OBSERVATIONS. Astrophysical Journal, 2012, 759, 40.	1.6	26
110	HEAVY DUST OBSCURATION OFz= 7 GALAXIES IN A COSMOLOGICAL HYDRODYNAMIC SIMULATION. Astrophysical Journal, 2013, 776, 35.	1.6	26
111	The Physical Origins of the Identified and Still Missing Components of the Warmâ€“Hot Intergalactic Medium: Insights from Deep Surveys in the Field of Blazar 1ES1553+113. Astrophysical Journal Letters, 2019, 884, L31.	3.0	26
112	Sizes, Shapes, and Correlations of Lyman Alpha Clouds and Their Evolution in the Î›CDM Universe. Astrophysical Journal, 1997, 483, 8-20.	1.6	25
113	COMPOSITION OF LOW-REDSHIFT HALO GAS. Astrophysical Journal, 2013, 770, 139.	1.6	25
114	The Galaxy Pairwise Velocity Dispersion as a Function of Local Density. Astrophysical Journal, 1998, 494, 20-28.	1.6	25
115	The Most Ancient Spiral Galaxy: A 2.6-Gyr-old Disk with a Tranquil Velocity Field. Astrophysical Journal, 2017, 850, 61.	1.6	24
116	Supernovae, Pulsars, and Gamma-Ray Bursts: A Unified Picture. Astrophysical Journal, 1998, 507, L131-L134.	1.6	24
117	Statistics of the cosmic Mach number from numerical simulations of a cold dark matter universe. Astrophysical Journal, 1992, 395, 1.	1.6	23
118	Gravitational Stability of Circumnuclear Disks in Elliptical Galaxies. Astrophysical Journal, 2007, 669, 232-240.	1.6	22
119	DO NOT FORGET THE FOREST FOR THE TREES: THE STELLAR-MASS HALO-MASS RELATION IN DIFFERENT ENVIRONMENTS. Astrophysical Journal, 2015, 812, 104.	1.6	22
120	Accuracy of Meshâ€based Cosmological Hydrocodes: Tests and Corrections. Astrophysical Journal, 1999, 517, 31-39.	1.6	21
121	Largeâ€Scale Correlation of Mass and Galaxies with the LyÎ± Forest Transmitted Flux. Astrophysical Journal, 2002, 580, 42-53.	1.6	21
122	EVOLUTION OF COLD STREAMS AND THE EMERGENCE OF THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2014, 789, L21.	3.0	21
123	A Fast, Accurate, and Robust Algorithm for Transferring Radiation in Threeâ€dimensional Space. Astrophysical Journal, Supplement Series, 2002, 141, 211-227.	3.0	20
124	The Probability Distribution Function of Light in the Universe: Results from Hydrodynamic Simulations. Astrophysical Journal, 2003, 597, 1-8.	1.6	20
125	Detection and Fundamental Applications of Individual First Galaxies. Astrophysical Journal, 2006, 648, 47-53.	1.6	20
126	Where Do Quasar Hosts Lie with Respect to the Sizeâ€“Mass Relation of Galaxies?. Astrophysical Journal Letters, 2019, 887, L5.	3.0	20

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127	The cosmic Mach number - Direct comparisons of observations and models. Astrophysical Journal, 1993, 408, 389.	1.6	20
128	Infalling gas in a Lyman-Î± blob. Nature Astronomy, 2020, 4, 670-674.	4.2	19
129	Gas loss in simulated galaxies as they fall into clusters. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7914-7919.	3.3	18
130	A Hydrodynamic Treatment of the Cold Dark Matter Cosmological Scenario with a Cosmological Constant. Astrophysical Journal, 1993, 417, 387.	1.6	18
131	INFRARED PROPERTIES OFz= 7 GALAXIES FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2014, 782, 32.	1.6	17
132	SCORCH. II. Radiation-hydrodynamic Simulations of Reionization with Varying Radiation Escape Fractions. Astrophysical Journal, 2019, 870, 18.	1.6	17
133	AMBER: A Semi-numerical Abundance Matching Box for the Epoch of Reionization. Astrophysical Journal, 2022, 927, 186.	1.6	17
134	Cosmological Mestel Disks and the Rossby Vortex Instability: The Origin of Supermassive Black Holes. Astrophysical Journal, 2003, 598, L7-L10.	1.6	16
135	ON THE REVERSAL OF STAR FORMATION RATE-DENSITY RELATION ATz= 1: INSIGHTS FROM SIMULATIONS. Astrophysical Journal, 2014, 788, 133.	1.6	16
136	COEVOLUTION BETWEEN SUPERMASSIVE BLACK HOLES AND BULGES IS NOT VIA INTERNAL FEEDBACK REGULATION BUT BY RATIONED GAS SUPPLY DUE TO ANGULAR MOMENTUM DISTRIBUTION. Astrophysical Journal Letters, 2015, 805, L9.	3.0	16
137	TESTING DARK MATTER HALO MODELS OF QUASARS WITH THERMAL SUNYAEVâ€“ZELDOVICH EFFECT. Astrophysical Journal Letters, 2015, 809, L32.	3.0	15
138	Large-scale motions in the universe: Using clusters of galaxies as tracers. Astrophysical Journal, 1995, 441, 449.	1.6	15
139	Redshift space clustering of galaxies and cold dark matter model. Astrophysical Journal, 1993, 408, L77.	1.6	15
140	Gaussian Peaks and Clusters of Galaxies. Astrophysical Journal, 1998, 509, 494-516.	1.6	14
141	Galaxies inside Strmgren Spheres of Luminous Quasars at z >6: Detection of the First Galaxies. Astrophysical Journal, 2003, 597, L13-L16.	1.6	14
142	The Transition from Population III to Population II Stars. Astrophysical Journal, 2004, 616, L87-L90.	1.6	14
143	FREQUENT SPIN REORIENTATION OF GALAXIES DUE TO LOCAL INTERACTIONS. Astrophysical Journal Letters, 2014, 785, L15.	3.0	14
144	Probing the Dependence of the Intergalactic Medium on Large-scale Environment Using the Low-redshift Lyl± Forest. Astrophysical Journal, 2017, 845, 47.	1.6	14

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145	Clustering of Galaxies in Redshift Space: Velocity Distortion of the Power Spectrum and Correlation Function. Astrophysical Journal, 1993, 419, 440.	1.6	14
146	Recovering the real density field of galaxies from redshift space. Astrophysical Journal, 1994, 425, 382.	1.6	14
147	Testing Cold Dark Matter Models at Moderate to High Redshift. Astrophysical Journal, 1998, 509, 16-38.	1.6	13
148	The Rise of Dwarfs and the Fall of Giants: Galaxy Formation Feedback Signatures in the Halo Satellite Luminosity Function. Astrophysical Journal, 2005, 633, L69-L72.	1.6	13
149	Implications of the Lyα Emission Line from a Candidate documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{textcyr}	1.6	13
150	GAUSSIAN RANDOM FIELD: PHYSICAL ORIGIN OF SERSIC PROFILES. Astrophysical Journal Letters, 2014, 790, L24.	3.0	13
151	A three-dimensional hydrodynamic treatment of the hot dark matter cosmological scenario. Astrophysical Journal, 1992, 399, 331.	1.6	13
152	Internal velocity and mass distributions in simulated clusters of galaxies for a variety of cosmogonic models. Astrophysical Journal, 1994, 437, 12.	1.6	13
153	Why Are There Dwarf Spheroidal Galaxies?. Astrophysical Journal, 2001, 549, L195-L198.	1.6	13
154	Physics of Prodigious Lyman Continuum Leakers. Astrophysical Journal Letters, 2020, 889, L22.	3.0	13
155	Delayed Photons from Binary Evolution Help Reionize the Universe. Astrophysical Journal, 2020, 901, 72.	1.6	12
156	Pilot-WINGS: An extended MUSE view of the structure of Abell 370. Monthly Notices of the Royal Astronomical Society, 2022, 514, 497-517.	1.6	12
157	Cosmic Mach Number as a Function of Overdensity and Galaxy Age. Astrophysical Journal, 2001, 553, 513-527.	1.6	11
158	A Twoâ€Fluid Thermally Stable Cooling Flow Model. Astrophysical Journal, 2005, 620, 191-196.	1.6	11
159	On the Cluster Sunyaev-Zeldovich Effect and Hubble Constant. Astrophysical Journal, 1998, 498, L99-L101.	1.6	10
160	Steps toward the Power Spectrum of Matter. III. The Primordial Spectrum. Astrophysical Journal, 1999, 519, 469-478.	1.6	10
161	FAR-INFRARED PROPERTIES OF LYMAN BREAK GALAXIES FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal Letters, 2011, 742, L33.	3.0	10
162	Non-steady heating of cool cores of galaxy clusters by ubiquitous turbulence and AGN. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5507-5519.	1.6	10

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163	Correlations between O vi Absorbers and Galaxies at Low Redshift. Astrophysical Journal, 2008, 678, L89-L92.	1.6	9
164	Influence of the Void Environment on Chemical Abundances in Dwarf Galaxies and Implications for Connecting Star Formation and Halo Mass. Astrophysical Journal, 2018, 864, 144.	1.6	9
165	A Possible Lateral Gamma-Ray Burst Jet from SN 1987A. Astrophysical Journal, 1999, 524, L51-L54.	1.6	9
166	Helium Reionization Simulations. III. The Helium LyÎ± Forest. Astrophysical Journal, 2018, 868, 106.	1.6	8
167	Testing Cosmological Models with a L[CLC]y[/CLC]Î± Forest Statistic: The High End of the Optical Depth Distribution. Astrophysical Journal, 1997, 479, L85-L88.	1.6	7
168	A hydrodynamic treatment of the tilted cold dark matter cosmological scenario. Astrophysical Journal, 1993, 414, 407.	1.6	7
169	The Local Supercluster as a test of cosmological models. Astrophysical Journal, 1994, 424, 22.	1.6	7
170	Formation of First Stars Triggered by Collisions and Shock Waves: Prospect for High Star Formation Efficiency and High Ionizing Photon Escape Fraction. Astrophysical Journal, 2005, 624, 485-490.	1.6	6
171	On Post-starburst Galaxies Dominating Tidal Disruption Events. Astrophysical Journal Letters, 2020, 888, L14.	3.0	6
172	Physics of Nonuniversal Larsonâ€™s Relation. Astrophysical Journal Letters, 2021, 906, L4.	3.0	6
173	Câ€‰iv and Heâ€‰ii line emission of Lyman Î± blobs: powered by shock-heated gas. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1076-1084.	1.6	5
174	Testing the Large-scale Environments of Cool-core and Non-cool-core Clusters with Clustering Bias. Astrophysical Journal, 2017, 836, 54.	1.6	5
175	Detecting Preheating in Protoclusters with LyÎ± Forest Tomography. Astrophysical Journal, 2022, 927, 53.	1.6	5
176	Lensing of 21-cm absorption haloes of zâ‰¼ 2-30 first galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1087-1093.	1.6	4
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