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	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
2	Detecting Preheating in Protoclusters with LyÎ± Forest Tomography. Astrophysical Journal, 2022, 927, 53.	1.6	5
3	AMBER: A Semi-numerical Abundance Matching Box for the Epoch of Reionization. Astrophysical Journal, 2022, 927, 186.	1.6	17
4	Physics of Nonuniversal Larsonâ€™s Relation. Astrophysical Journal Letters, 2021, 906, L4.	3.0	6
5	Dispersion measure distributions of fast radio bursts due to the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3664-3669.	1.6	1
6	Spectral Signatures of Population iii and Envelope-stripped Stars in Galaxies at the Epoch of Reionization. Astrophysical Journal, 2021, 918, 5.	1.6	2
7	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
8	The BUFFALO HST Survey. Astrophysical Journal, Supplement Series, 2020, 247, 64.	3.0	57
9	Infalling gas in a Lyman-Î± blob. Nature Astronomy, 2020, 4, 670-674.	4.2	19
10	On Post-starburst Galaxies Dominating Tidal Disruption Events. Astrophysical Journal Letters, 2020, 888, L14.	3.0	6
11	Delayed Photons from Binary Evolution Help Reionize the Universe. Astrophysical Journal, 2020, 901, 72.	1.6	12
12	Physics of Prodigious Lyman Continuum Leakers. Astrophysical Journal Letters, 2020, 889, L22.	3.0	13
13	Assembly Conformity of Structure Growth: Fossil versus Normal Groups of Galaxies. Astrophysical Journal, 2020, 898, 39.	1.6	3
14	SCORCH. III. Analytical Models of Reionization with Varying Clumping Factors. Astrophysical Journal, 2020, 905, 132.	1.6	4
15	Absorption-line Abundances in the SMC-like Galaxy UGC 5282: Evidence of ISM Dilution from Inflows on Kiloparsec Scales*. Astrophysical Journal, 2020, 893, 84.	1.6	1
16	Circumnuclear Molecular Gas in Low-redshift Quasars and Matched Star-forming Galaxies. Astrophysical Journal, 2020, 898, 61.	1.6	4
17	On the Assembly Bias of Cool Core Clusters Traced by HÎ± Nebulae. Astrophysical Journal, 2019, 882, 166.	1.6	1
18	SCORCH. II. Radiation-hydrodynamic Simulations of Reionization with Varying Radiation Escape Fractions. Astrophysical Journal, 2019, 870, 18.	1.6	17

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19	Where Do Quasar Hosts Lie with Respect to the Sizeâ€“Mass Relation of Galaxies?. Astrophysical Journal Letters, 2019, 887, L5.	3.0	20
20	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
21	ENZO: An Adaptive Mesh Refinement Code for Astrophysics (Version 2.6). Journal of Open Source Software, 2019, 4, 1636.	2.0	44
22	Helium Reionization Simulations. III. The Helium LyÎ± Forest. Astrophysical Journal, 2018, 868, 106.	1.6	8
23	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
24	Influence of the Void Environment on Chemical Abundances in Dwarf Galaxies and Implications for Connecting Star Formation and Halo Mass. Proceedings of the International Astronomical Union, 2018, 14, 369-372.	0.0	0
25	Helium Reionization Simulations. II. Signatures of Quasar Activity on the IGM. Astrophysical Journal, 2017, 841, 87.	1.6	31
26	Probing the Dependence of the Intergalactic Medium on Large-scale Environment Using the Low-redshift LyÎ± Forest. Astrophysical Journal, 2017, 845, 47.	1.6	14
27	The Most Ancient Spiral Galaxy: A 2.6-Gyr-old Disk with a Tranquil Velocity Field. Astrophysical Journal, 2017, 850, 61.	1.6	24
28	Constraint on Matter Power Spectrum on 10⁶â€“10⁹ M_{âŠ™} Scales from Ï„_e. Astrophysical Journal, 2017, 836, 217.	1.6	2
29	Testing the Large-scale Environments of Cool-core and Non-cool-core Clusters with Clustering Bias. Astrophysical Journal, 2017, 836, 54.	1.6	5
30	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
31	INFLOW GENERATED X-RAY CORONA AROUND SUPERMASSIVE BLACK HOLES AND A UNIFIED MODEL FOR X-RAY EMISSION. Astrophysical Journal, 2016, 817, 99.	1.6	0
32	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
33	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
34	The physical nature of the most metal-poor damped LymanÂÎ± systems. Monthly Notices of the Royal Astronomical Society, 2016, 457, 487-495.	1.6	4
35	SUPERNOVA FEEDBACK AND THE HOT GAS FILLING FRACTION OF THE INTERSTELLAR MEDIUM. Astrophysical Journal, 2015, 814, 4.	1.6	52
36	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

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37	SCORCH. I. THE GALAXYâ€“HALO CONNECTION IN THE FIRST BILLION YEARS. Astrophysical Journal, 2015, 813, 54.	1.6	69
38	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
39	The non-linear power spectrum of the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 017-017.	1.9	49
40	QUANTIFYING DISTRIBUTIONS OF THE LYMAN CONTINUUM ESCAPE FRACTION. Astrophysical Journal Letters, 2015, 801, L25.	3.0	42
41	UNDERSTANDING BLACK HOLE MASS ASSEMBLY VIA ACCRETION AND MERGERS AT LATE TIMES IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2015, 799, 178.	1.6	51
42	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
43	ON THE DIFFUSE LyÎ±HALO AROUND LyÎ±EMITTING GALAXIES. Astrophysical Journal, 2015, 806, 46.	1.6	43
44	TESTING DARK MATTER HALO MODELS OF QUASARS WITH THERMAL SUNYAEVâ€“ZELDOVICH EFFECT. Astrophysical Journal Letters, 2015, 809, L32.	3.0	15
45	FREQUENT SPIN REORIENTATION OF GALAXIES DUE TO LOCAL INTERACTIONS. Astrophysical Journal Letters, 2014, 785, L15.	3.0	14
46	ON THE REVERSAL OF STAR FORMATION RATE-DENSITY RELATION ATz= 1: INSIGHTS FROM SIMULATIONS. Astrophysical Journal, 2014, 788, 133.	1.6	16
47	INFRARED PROPERTIES OFz= 7 GALAXIES FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2014, 782, 32.	1.6	17
48	GAUSSIAN RANDOM FIELD: PHYSICAL ORIGIN OF SERSIC PROFILES. Astrophysical Journal Letters, 2014, 790, L24.	3.0	13
49	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
50	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. Astrophysical Journal, Supplement Series, 2014, 211, 19.	3.0	615
51	TEMPORAL SELF-ORGANIZATION IN GALAXY FORMATION. Astrophysical Journal Letters, 2014, 785, L21.	3.0	4
52	ON THE ORIGIN OF THE HUBBLE SEQUENCE: I. INSIGHTS ON GALAXY COLOR MIGRATION FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2014, 781, 38.	1.6	58
53	SHOCK WAVES AND COSMIC RAY ACCELERATION IN THE OUTSKIRTS OF GALAXY CLUSTERS. Astrophysical Journal, 2014, 785, 133.	1.6	54
54	ESCAPE FRACTION OF IONIZING PHOTONS DURING REIONIZATION: EFFECTS DUE TO SUPERNOVA FEEDBACK AND RUNAWAY OB STARS. Astrophysical Journal, 2014, 788, 121.	1.6	250

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55	DIVERSE PROPERTIES OF INTERSTELLAR MEDIUM EMBEDDING GAMMA-RAY BURSTS AT THE EPOCH OF REIONIZATION. Astrophysical Journal, 2014, 794, 50.	1.6	4
56	EVOLUTION OF COLD STREAMS AND THE EMERGENCE OF THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2014, 789, L21.	3.0	21
57	VALIDITY OF HYDROSTATIC EQUILIBRIUM IN GALAXY CLUSTERS FROM COSMOLOGICAL HYDRODYNAMICAL SIMULATIONS. Astrophysical Journal, 2013, 767, 79.	1.6	32
58	THE NATURE OF LyÎ± BLOBS: POWERED BY EXTREME STARBURSTS. Astrophysical Journal, 2013, 775, 112.	1.6	38
59	HEAVY DUST OBSCURATION OFz= 7 GALAXIES IN A COSMOLOGICAL HYDRODYNAMIC SIMULATION. Astrophysical Journal, 2013, 776, 35.	1.6	26
60	COMPOSITION OF LOW-REDSHIFT HALO GAS. Astrophysical Journal, 2013, 770, 139.	1.6	25
61	COMPARISONS OF COSMOLOGICAL MAGNETOHYDRODYNAMIC GALAXY CLUSTER SIMULATIONS TO RADIO OBSERVATIONS. Astrophysical Journal, 2012, 759, 40.	1.6	26
62	PHYSICS OF COEVOLUTION OF GALAXIES AND SUPERMASSIVE BLACK HOLES. Astrophysical Journal, 2012, 755, 28.	1.6	30
63	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
64	Effects on galaxy evolution: pair interactions versus environment. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2313-2334.	1.6	33
65	THE NATURE OF DAMPED LyÎ± SYSTEMS AND THEIR HOSTS IN THE STANDARD COLD DARK MATTER UNIVERSE. Astrophysical Journal, 2012, 748, 121.	1.6	88
66	STAR FORMATION FEEDBACK AND METAL-ENRICHMENT HISTORY OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2011, 731, 11.	1.6	83
67	ENVIRONMENTALLY DRIVEN GLOBAL EVOLUTION OF GALAXIES. Astrophysical Journal, 2011, 741, 99.	1.6	47
68	EXTENDED LyÎ± EMISSION AROUND STAR-FORMING GALAXIES. Astrophysical Journal, 2011, 739, 62.	1.6	72
69	SIMULATED VOID GALAXIES IN THE STANDARD COLD DARK MATTER MODEL. Astrophysical Journal, 2011, 735, 132.	1.6	36
70	FAR-INFRARED PROPERTIES OF LYMAN BREAK GALAXIES FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal Letters, 2011, 742, L33.	3.0	10
71	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
72	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

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73	RADIATIVE TRANSFER MODELING OF LyÎ± EMITTERS. I. STATISTICS OF SPECTRA AND LUMINOSITY. Astrophysical Journal, 2010, 716, 574-598.	1.6	133
74	THE STATE OF STAR FORMATION AND THE INTERGALACTIC MEDIUM ATzâˆ¼ 6. Astrophysical Journal, 2010, 725, 115-120.	1.6	4
75	Crawling the cosmic network: identifying and quantifying filamentary structure. Monthly Notices of the Royal Astronomical Society, 2010, 409, 156-168.	1.6	85
76	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
77	IONIZING PHOTON ESCAPE FRACTIONS FROM HIGH-REDSHIFT DWARF GALAXIES. Astrophysical Journal, 2009, 693, 984-999.	1.6	240
78	PROBING THE EPOCH OF REIONIZATION WITH THE LyÎ± FOREST AT z âˆ¼ 4-5. Astrophysical Journal, 2009, 706, L164-L167.	1.6	35
79	GALAXY SIZE PROBLEM AT z = 3: SIMULATED GALAXIES ARE TOO SMALL. Astrophysical Journal, 2009, 692, L1-L4.	1.6	51
80	Lower Metal Enrichment of Virialized Gas in Minihalos. Astrophysical Journal, 2008, 674, 644-652.	1.6	54
81	The Topology of Cosmological Reionization. Astrophysical Journal, 2008, 675, 8-15.	1.6	45
82	Imprint of Inhomogeneous Hydrogen Reionization on the Temperature Distribution of the Intergalactic Medium. Astrophysical Journal, 2008, 689, L81-L84.	1.6	113
83	CosmoMHD: A Cosmological Magnetohydrodynamics Code. Astrophysical Journal, Supplement Series, 2008, 174, 1-12.	3.0	41
84	Genus Topology of Structure in the Sloan Digital Sky Survey: Model Testing. Astrophysical Journal, 2008, 675, 16-28.	1.6	44
85	Cosmological H<scp>ii</scp>Bubble Growth during Reionization. Astrophysical Journal, 2008, 681, 756-770.	1.6	55
86	Correlations between O vi Absorbers and Galaxies at Low Redshift. Astrophysical Journal, 2008, 678, L89-L92.	1.6	9
87	Cosmic Reionization and the 21 cm Signal: Comparison between an Analytical Model and a Simulation. Astrophysical Journal, 2008, 689, 1-16.	1.6	99
88	Cosmological Shock Waves in the Largeâ€Scale Structure of the Universe: Nongravitational Effects. Astrophysical Journal, 2007, 669, 729-740.	1.6	108
89	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
90	Gravitational Stability of Circumnuclear Disks in Elliptical Galaxies. Astrophysical Journal, 2007, 669, 232-240.	1.6	22

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91	Lensing of 21-cm absorption haloes of zâˆ¼ 2-30 first galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1087-1093.	1.6	4
92	Radiative Transfer Simulations of Cosmic Reionization. I. Methodology and Initial Results. Astrophysical Journal, 2007, 671, 1-13.	1.6	196
93	Detection and Fundamental Applications of Individual First Galaxies. Astrophysical Journal, 2006, 648, 47-53.	1.6	20
94	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
95	Origin of Two Distinct Populations in Dwarf Spheroidal Galaxies. Astrophysical Journal, 2006, 641, 785-794.	1.6	36
96	Where Are the Baryons? II. Feedback Effects. Astrophysical Journal, 2006, 650, 560-572.	1.6	309
97	The LyÎ± Forest Power Spectrum from the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 163, 80-109.	3.0	341
98	Where Are the Baryons? III. Nonequilibrium Effects and Observables. Astrophysical Journal, 2006, 650, 573-591.	1.6	97
99	Galactic Wind Effects on the LyÎ± Absorption in the Vicinity of Galaxies. Astrophysical Journal, 2006, 638, 52-71.	1.6	37
100	Shockâ€heated Gas in the Largeâ€Scale Structure of the Universe. Astrophysical Journal, 2005, 620, 21-30.	1.6	76
101	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
102	Quantitative Signatures of Galactic Superwinds on LyÎ± Clouds and Metalâ€Line Systems. Astrophysical Journal, 2005, 635, 86-99.	1.6	75
103	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
104	The Linear Theory Power Spectrum from the LyÎ± Forest in the Sloan Digital Sky Survey. Astrophysical Journal, 2005, 635, 761-783.	1.6	329
105	Massive Galaxies in Cosmological Simulations: Ultravioletâ€selected Sample at Redshiftzâ€‰=â€‰2. Astrophysical Journal, 2005, 618, 23-37.	1.6	47
106	Implications of the LyÎ± 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{extcyr}	1.6	13
107	A Twoâ€Fluid Thermally Stable Cooling Flow Model. Astrophysical Journal, 2005, 620, 191-196.	1.6	11
108	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

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109	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
110	Reionization of the Universe. Progress of Theoretical Physics Supplement, 2005, 158, 105-116.	0.2	0
111	Constraining Reionization with the Evolution of the Luminosity Function of LyÎ± Emitting Galaxies. Astrophysical Journal, 2005, 623, 627-631.	1.6	74
112	Is There a Missing Galaxy Problem at High Redshift?. Astrophysical Journal, 2004, 610, 45-50.	1.6	56
113	Probing the Reionization History Using the Spectra of Highâ€Redshift Sources. Astrophysical Journal, 2004, 613, 23-35.	1.6	45
114	The Transition from Population III to Population II Stars. Astrophysical Journal, 2004, 616, L87-L90.	1.6	14
115	The Universe Was Reionized Twice. Astrophysical Journal, 2003, 591, 12-37.	1.6	248
116	The Implications of Wilkinson Microwave Anisotropy Probe Observations for Population III Star Formation Processes. Astrophysical Journal, 2003, 591, L5-L8.	1.6	137
117	Galaxies inside Strmgren Spheres of Luminous Quasars at z >6: Detection of the First Galaxies. Astrophysical Journal, 2003, 597, L13-L16.	1.6	14
118	Cosmological Mestel Disks and the Rossby Vortex Instability: The Origin of Supermassive Black Holes. Astrophysical Journal, 2003, 598, L7-L10.	1.6	16
119	Metallicity Evolution of Damped LyÎ± Systems in Î›CDM Cosmology. Astrophysical Journal, 2003, 598, 741-755.	1.6	52
120	The Probability Distribution Function of Light in the Universe: Results from Hydrodynamic Simulations. Astrophysical Journal, 2003, 597, 1-8.	1.6	20
121	Largeâ€Scale Correlation of Mass and Galaxies with the LyÎ± Forest Transmitted Flux. Astrophysical Journal, 2002, 580, 42-53.	1.6	21
122	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
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	Massâ€Temperature Relation of Galaxy Clusters: A Theoretical Study. Astrophysical Journal, 2002, 564, 669-682.	1.6	41
125	Evolution of the Ionizing Radiation Background and Star Formation in the Aftermath of Cosmological Reionization. Astrophysical Journal, 2002, 570, 457-462.	1.6	72
126	The Metal Enrichment and Temperature of the Intergalactic Medium. Astrophysical Journal, 2001, 546, L81-L85.	1.6	27

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127	Baryons in the Warmâ€Hot Intergalactic Medium. Astrophysical Journal, 2001, 552, 473-483.	1.6	675
128	Synchronized Formation of Subgalactic Systems at Cosmological Reionization: Origin of Halo Globular Clusters. Astrophysical Journal, 2001, 560, 592-598.	1.6	63
129	Cosmic Mach Number as a Function of Overdensity and Galaxy Age. Astrophysical Journal, 2001, 553, 513-527.	1.6	11
130	A Measurement of the Temperatureâ€Ðensity Relation in the Intergalactic Medium Using a New Lyî± Absorptionâ€Ŀine Fitting Method. Astrophysical Journal, 2001, 562, 52-75.	1.6	150
131	Revealing the Warm-Hot Intergalactic Medium with O [CSC]vi[/CSC] Absorption. Astrophysical Journal, 2001, 559, L5-L8.	1.6	91
132	Decaying Cold Dark Matter Model and Small-Scale Power. Astrophysical Journal, 2001, 546, L77-L80.	1.6	81
133	Why Are There Dwarf Spheroidal Galaxies?. Astrophysical Journal, 2001, 549, L195-L198.	1.6	13
134	Is There Still Room for Warm/Hot Gas? Simulating the X-Ray Background Spectrum. Astrophysical Journal, 2001, 554, L9-L12.	1.6	51
135	Star Formation History and Stellar Metallicity Distribution in a Cold Dark Matter Universe. Astrophysical Journal, 2001, 558, 497-504.	1.6	68
136	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
137	Physical Bias of Galaxies from Largeâ€Scale Hydrodynamic Simulations. Astrophysical Journal, 2000, 538, 83-91.	1.6	82
138	The Structure of Dark Matter Halos in Hierarchical Clustering Theories. Astrophysical Journal, 2000, 538, 528-542.	1.6	114
139	Properties of Cosmic Shock Waves in Largeâ€Scale Structure Formation. Astrophysical Journal, 2000, 542, 608-621.	1.6	234
140	Time Evolution of Galaxy Formation and Bias in Cosmological Simulations. Astrophysical Journal, 2000, 531, 1-16.	1.6	69
141	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
142	Evolution of Lyman Break Galaxies beyond [CLC][ITAL]z[/ITAL][/CLC] = 4. Astrophysical Journal, 2000, 533, L1-L4.	1.6	3
143	Quasar StrÃ¶mgren Spheres Before Cosmological Reionization. Astrophysical Journal, 2000, 542, L75-L78.	1.6	128
144	Where Are the Baryons?. Astrophysical Journal, 1999, 514, 1-6.	1.6	883

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145	Cosmic Chemical Evolution. Astrophysical Journal, 1999, 519, L109-L113.	1.6	217
146	Accuracy of Meshâ€based Cosmological Hydrocodes: Tests and Corrections. Astrophysical Journal, 1999, 517, 31-39.	1.6	21
147	Steps toward the Power Spectrum of Matter. III. The Primordial Spectrum. Astrophysical Journal, 1999, 519, 469-478.	1.6	10
148	The Physical Origin of Scaleâ€dependent Bias in Cosmological Simulations. Astrophysical Journal, 1999, 522, 590-603.	1.6	94
149	An Intrinsic Smoothing Mechanism for Gamma-Ray Burst Spectra in the Fireball Model. Astrophysical Journal, 1999, 517, L113-L116.	1.6	3
150	A Possible Lateral Gamma-Ray Burst Jet from SN 1987A. Astrophysical Journal, 1999, 524, L51-L54.	1.6	9
151	Testing Cold Dark Matter Models at Moderate to High Redshift. Astrophysical Journal, 1998, 509, 16-38.	1.6	13
152	Gaussian Peaks and Clusters of Galaxies. Astrophysical Journal, 1998, 509, 494-516.	1.6	14
153	Testing Cosmological Models by Gravitational Lensing. I. Method and First Applications. Astrophysical Journal, 1998, 494, 29-46.	1.6	90
154	On the Cluster Sunyaev-Zeldovich Effect and Hubble Constant. Astrophysical Journal, 1998, 498, L99-L101.	1.6	10
155	The Galaxy Pairwise Velocity Dispersion as a Function of Local Density. Astrophysical Journal, 1998, 494, 20-28.	1.6	25
156	On the Clustering of LyÎ± Clouds, Highâ€Redshift Galaxies, and Underlying Mass. Astrophysical Journal, 1998, 496, 577-585.	1.6	29
157	Supernovae, Pulsars, and Gamma-Ray Bursts: A Unified Picture. Astrophysical Journal, 1998, 507, L131-L134.	1.6	24
158	The Opacity of the LyÎ± Forest and Implications for Î©band the Ionizing Background. Astrophysical Journal, 1997, 489, 7-20.	1.6	350
159	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
160	The Protogalactic Origin for Cosmic Magnetic Fields. Astrophysical Journal, 1997, 480, 481-491.	1.6	392
161	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
162	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

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163	Constraining Î© with Cluster Evolution. Astrophysical Journal, 1997, 485, L53-L56.	1.6	192
164	Determining the Amplitude of Mass Fluctuations in the Universe. Astrophysical Journal, 1997, 490, L123-L126.	1.6	70
165	A Critical Test of Topological Defect Models: Spatial Clustering of Clusters of Galaxies. Astrophysical Journal, 1997, 491, 1-5.	1.6	3
166	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
167	The LyÎ± Forest from Gravitational Collapse in the Cold Dark Matter + Î› Model. Astrophysical Journal, 1996, 471, 582-616.	1.6	336
168	A piecewise parabolic method for cosmological hydrodynamics. Computer Physics Communications, 1995, 89, 149-168.	3.0	158
169	Large-scale motions in the universe: Using clusters of galaxies as tracers. Astrophysical Journal, 1995, 441, 449.	1.6	15
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