Matteo Viel

List of Publications by Year
in descending order

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160 papers	18,563 citations	17429 63 h-index	11601 135 g-index
160 all docs	160 docs citations	160 times ranked	10919 citing authors

#	Article	IF	Citations
1	Gravitational waves Ã— HI intensity mapping: cosmological and astrophysical applications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 004.	1.9	14
2	Cosmic Voids and BAO with relative baryon-CDM perturbations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4333-4349.	1.6	6
3	Limits on non-canonical heating and turbulence in the intergalactic medium from the low redshift Lyman Î± forest. Monthly Notices of the Royal Astronomical Society, 2022, 513, 864-885.	1.6	9
4	Weighing cosmic structures with clusters of galaxies and the intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2022, 515, 857-870.	1.6	10
5	Sources of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>H</mml:mi><mml:mn>0</mml:mn></mml:msub></mml:math> -tension in dark energy scenarios. Physical Review D, 2021, 103, .	1.6	22
6	Neutrino mass bounds from confronting an effective model with BOSS Lyman-Î± data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 049.	1.9	9
7	Reionization and galaxy inference from the high-redshift Lyâ€‰Î± forest. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2390-2407.	1.6	61
8	Joint constraints on thermal relic dark matter from strong gravitational lensing, the Lyâ€‰Î± forest, and Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5848-5862.	1.6	50
9	Detecting Neutrino Mass by Combining Matter Clustering, Halos, and Voids. Astrophysical Journal, 2021, 919, 24.	1.6	40
10	The effect of inhomogeneous reionization on the LymanÂÎ± forest power spectrum at redshift z > 4: implications for thermal parameter recovery. Monthly Notices of the Royal Astronomical Society, 2021, 509, 6119-6137.	1.6	14
11	Impact of dark matter models on the EoR 21-cm signal bispectrum. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2941-2953.	1.6	11
12	Late-time decaying dark matter: constraints and implications for the H0-tension. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1757-1764.	1.6	38
13	scampy â€“ A sub-halo clusteringÂand abundance matching based python interface for painting galaxies on the dark matter halo/sub-halo hierarchy. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2095-2113.	1.6	2
14	The impact of relativistic effects on the 3D Quasar-Lyman-Î± cross-correlation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 006-006.	1.9	8
15	Weighing neutrinos with the halo environment. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 032-032.	1.9	21
16	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	195
17	The atomic hydrogen content of the post-reionization Universe. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5434-5455.	1.6	38
18	Beyond two-point statistics: using the minimum spanning tree as a tool for cosmology. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1709-1726.	1.6	20

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19	Non-linear damping of superimposed primordial oscillations on the matter power spectrum in galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 030-030.	1.9	26
20	Constraints on the spacetime dynamics of an early dark energy component. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 039-039.	1.9	9
21	H₀ Reconstruction with Type Ia Supernovae, Baryon Acoustic Oscillation and Gravitational Lensing Time Delay. Astrophysical Journal, 2020, 900, 160.	1.6	14
22	The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2.	3.0	149
23	On the degeneracy between baryon feedback and massive neutrinos as probed by matter clustering and weak lensing. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 010-010.	1.9	17
24	Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math> Forest Constraints on Primordial Black Holes as Dark Matter. Physical Review Letters, 2019, 123, 071102.	2.9	63
25	Constraining Dark Matter-Dark Radiation interactions with CMB, BAO, and Lyman-Î±. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 055-055.	1.9	80
26	Lyman Î± forest and non-linear structure characterization in Fuzzy Dark Matter cosmologies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3227-3243.	1.6	100
27	High-redshift post-reionization cosmology with 21cm intensity mapping. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 004-004.	1.9	51
28	Non-perturbative results for the luminosity and area distances. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 040-040.	1.9	3
29	Novel constraints on noncold, nonthermal dark matter from Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> forest data. Physical Review D, 2018, 98, .	1.6	64
30	Perturbative treatment of the luminosity distance. Physical Review D, 2018, 98, .	1.6	1
31	Optimal galaxy survey for detecting the dipole in the cross-correlation with 21 cm Intensity Mapping. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 043-043.	1.9	17
32	Cosmology: Searching for Deviations from the Standard Cosmological Model. , 2018, , 499-552.		0
33	CROSS-CORRELATING THE Î³-RAY SKY WITH CATALOGS OF GALAXY CLUSTERS. Astrophysical Journal, Supplement Series, 2017, 228, 8.	3.0	26
34	The Alcock Paczy'nski test with Baryon Acoustic Oscillations: systematic effects for future surveys. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 020-020.	1.9	8
35	Constraining <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> gravity with Sunyaev-Zelâ€™dovich clusters detected by the Planck satellite. Physical Review D, 2017, 95, .	1.6	18
36	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	1.6	150

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37	New constraints on the free-streaming of warm dark matter from intermediate and small scale Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> forest data. Physical Review D, 2017, 96, .	1.6	360
38	First Constraints on Fuzzy Dark Matter from Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> Forest Data and Hydrodynamical Simulations. Physical Review Letters, 2017, 119, 031302.	2.9	310
39	Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> constraints on ultralight scalar dark matter: Implications for the early and late universe. Physical Review D, 2017, 96, .	1.6	145
40	The cross-correlation between 21 cm intensity mapping maps and the LyÎ± forest in the post-reionization era. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 001-001.	1.9	24
41	The Sherwood simulation suite: overview and data comparisons with the LymanÂÎ± forest at redshifts 2 â‰¤zâ‰¤ 5. Monthly Notices of the Royal Astronomical Society, 2017, 464, 897-914.	1.6	119
42	Baryonic acoustic oscillations from 21Âcm intensity mapping: the Square Kilometre Array case. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2736-2751.	1.6	48
43	Imprints of non-standard dark energy and dark matter models on the 21cm intensity map power spectrum. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 018-018.	1.9	12
44	The effect of stellar and AGN feedback on the low-redshift Lyman Î± forest in the Sherwood simulation suite. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1056-1069.	1.6	17
45	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. Astronomy and Astrophysics, 2017, 597, A79.	2.1	337
46	Neutrinoless Double Beta Decay: 2015 Review. Advances in High Energy Physics, 2016, 2016, 1-37.	0.5	292
47	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
48	Lyman-alpha forests cool warm dark matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 012-012.	1.9	153
49	Neutral hydrogen in galaxy clusters: impact of AGN feedback and implications for intensity mapping. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3553-3570.	1.6	38
50	Relativistic effects in Lyman-Î± forest. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 051-051.	1.9	23
51	Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, .	1.6	487
52	DARK MATTER SEARCHES IN THE GAMMA-RAY EXTRAGALACTIC BACKGROUND VIA CROSS-CORRELATIONS WITH GALAXY CATALOGS. Astrophysical Journal, Supplement Series, 2015, 221, 29.	3.0	43
53	Neutrino masses and cosmology with Lyman-alpha forest power spectrum. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 011-011.	1.9	211
54	The non-linear power spectrum of the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 017-017.	1.9	49

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55	WEIGHING NEUTRINOS WITH COSMIC NEUTRAL HYDROGEN. Astrophysical Journal, 2015, 814, 146.	1.6	60
56	Semi-analytic galaxy formation in massive neutrino cosmologies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3361-3367.	1.6	9
57	Constraint on neutrino masses from SDSS-III/BOSS LyÎ± forest and other cosmological probes. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 045-045.	1.9	100
58	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 LyÎ± FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. Astrophysical Journal, 2015, 799, 196.	1.6	64
59	The effect of massive neutrinos on the BAO peak. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 001-001.	1.9	24
60	Galactic outflow and diffuse gas properties at z â‰¥ 1 using different baryonic feedback models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 266-286.	1.6	26
61	Particle Dark Matter Searches Outside the Local Group. Physical Review Letters, 2015, 114, 241301.	2.9	45
62	Warm dark matter signatures on the 21cm power spectrum: intensity mapping forecasts for SKA. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 047-047.	1.9	47
63	Cross-correlating 21cm intensity maps with Lyman Break Galaxies in the post-reionization era. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 034-034.	1.9	25
64	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	3.0	1,877
65	TOMOGRAPHY OF THE FERMI -LAT Î³ -RAY DIFFUSE EXTRAGALACTIC SIGNAL VIA CROSS CORRELATIONS WITH GALAXY CATALOGS. Astrophysical Journal, Supplement Series, 2015, 217, 15.	3.0	54
66	Voids in massive neutrino cosmologies. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	1.9	94
67	The first billion years of a warm dark matter universe. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2760-2775.	1.6	38
68	Suite of hydrodynamical simulations for the Lyman-Î±forest with massive neutrinos. Astronomy and Astrophysics, 2014, 567, A79.	2.1	32
69	The SDSS-III Baryonic Oscillation Spectroscopic Survey: constraints on the integrated Sachsâ€“Wolfe effect. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1724-1740.	1.6	25
70	Kinetic or thermal AGN feedback in simulations of isolated and merging disc galaxies calibrated by the M-Ïƒ relation. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1456-1475.	1.6	44
71	A consistent determination of the temperature of the intergalactic medium at redshift ã€ˆzã€‰ = 2.4. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2499-2507.	1.6	81
72	The Lyman Î² forest as a cosmic thermometer. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 024-024.	1.9	8

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73	Cosmology with massive neutrinos II: on the universality of the halo mass function and bias. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 049-049.	1.9	149
74	Cosmology with massive neutrinos I: towards a realistic modeling of the relation between matter, haloes and galaxies. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 011-011.	1.9	133
75	Neutrino constraints: what large-scale structure and CMB data are telling us?. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 081-081.	1.9	44
76	New approach for precise computation of Lyman-Î± forest power spectrum with hydrodynamical simulations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 005-005.	1.9	42
77	Quasar-Lyman Î± forest cross-correlation from BOSS DR11: Baryon Acoustic Oscillations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 027-027.	1.9	392
78	Modeling the neutral hydrogen distribution in the post-reionization Universe: intensity mapping. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 050-050.	1.9	64
79	The halo model in a massive neutrino cosmology. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 053-053.	1.9	53
80	Cosmic degeneracies â€“ I. Joint N-body simulations of modified gravity and massive neutrinos. Monthly Notices of the Royal Astronomical Society, 2014, 440, 75-88.	1.6	94
81	ESPRESSO: The next European exoplanet hunter. Astronomische Nachrichten, 2014, 335, 8-20.	0.6	165
82	Lyman-Î± Forest and Cosmic Weak Lensing in a Warm Dark Matter Universe. Publications of the Astronomical Society of Australia, 2014, 31, .	1.3	27
83	A coarse grained perturbation theory for the Large Scale Structure, with cosmology and time independence in the UV. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 047-047.	1.9	30
84	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. Astrophysical Journal, Supplement Series, 2014, 211, 17.	3.0	820
85	ESPRESSO: the radial velocity machine for the VLT. Proceedings of SPIE, 2014, , .	0.8	9
86	The Sloan Digital Sky Survey quasar catalog: tenth data release. Astronomy and Astrophysics, 2014, 563, A54.	2.1	200
87	Galactic winds in cosmological simulations of the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3213-3234.	1.6	45
88	Measurement of baryon acoustic oscillations in the Lyman-Î± forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	1.9	185
89	Cosmology with massive neutrinos III: the halo mass function and an application to galaxy clusters. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 012-012.	1.9	100
90	Fitting methods for baryon acoustic oscillations in the Lyman-Î± forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 024-024.	1.9	61

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91	The impact of feedback from galaxy formation on the Lyman Î± transmitted flux. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1734-1746.	1.6	68
92	Neutrino masses and cosmological parameters from a Euclid-like survey: Markov Chain Monte Carlo forecasts including theoretical errors. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	1.9	119
93	Non-linear evolution of the cosmic neutrino background. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 019-019.	1.9	66
94	Metals in the IGM approaching the re-ionization epoch: results from X-shooter at the VLTâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1198-1232.	1.6	83
95	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: weighing the neutrino mass using the galaxy power spectrum of the CMASS sample. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2038-2053.	1.6	68
96	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	1.9	1,571
97	THE BOSS LyÎ± FOREST SAMPLE FROM SDSS DATA RELEASE 9. Astronomical Journal, 2013, 145, 69.	1.9	68
98	Warm dark matter as a solution to the small scale crisis: New constraints from high redshift Lyman-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>forest data. Physical Review D, 2013, 88, .	1.6	572
99	The one-dimensional LyÎ±forest power spectrum from BOSS. Astronomy and Astrophysics, 2013, 559, A85.	2.1	166
100	ESPRESSO, an exo-Earths hunter for the VLT. , 2013, , .		2
101	Constraints on massive neutrinos from the CFHTLS angular power spectrum. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 010-010.	1.9	37
102	ESPRESSO: the ultimate rocky exoplanets hunter for the VLT. Proceedings of SPIE, 2012, , .	0.8	13
103	CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS. Astrophysical Journal, 2012, 761, 14.	1.6	113
104	Statistics of cosmological Lyman Î± absorption. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2359-2375.	1.6	2
105	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. Astrophysical Journal, Supplement Series, 2012, 203, 21.	3.0	1,158
106	Cosmography beyond standard candles and rulers. Physical Review D, 2012, 85, .	1.6	50
107	Massive neutrinos and the non-linear matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2551-2561.	1.6	263
108	Clustering of submillimetre galaxies in a self-regulated baryon collapse model. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1324-1331.	1.6	49

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109	The intergalactic medium thermal history at redshiftz= 1.7-3.2 from the LyÎ± forest: a comparison of measurements using wavelets and the flux distribution. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1723-1736.	1.6	66
110	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. Monthly Notices of the Royal Astronomical Society, 2012, 424, 933-950.	1.6	171
111	CROSS-CORRELATIONS OF THE LyÎ± FOREST WITH WEAK-LENSING CONVERGENCE. ANALYTICAL ESTIMATES OF SIGNAL-TO-NOISE RATIO AND IMPLICATIONS FOR NEUTRINO MASS AND DARK ENERGY. Astrophysical Journal, 2011, 735, 38.	1.6	6
112	The impact of spatial fluctuations in the ultraviolet background on intergalactic carbon and silicon. Monthly Notices of the Royal Astronomical Society, 2011, 414, 241-252.	1.6	23
113	Galactic winds and extended LyÎ± emission from the host galaxies of high column density quasi-stellar object absorption systems. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1723-1738.	1.6	55
114	A cross-correlation study of the Fermi-LAT Î³-ray diffuse extragalactic signal. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2247-2264.	1.6	44
115	Effects of massive neutrinos on the large-scale structure of the Universe. Monthly Notices of the Royal Astronomical Society, 2011, 418, 346-356.	1.6	83
116	Minimally parametric power spectrum reconstruction from the Lyman Î± forest. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1717-1728.	1.6	82
117	Constraints on primordial non-Gaussianity from large scale structure probes. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 033-033.	1.9	62
118	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations. Proceedings of SPIE, 2010, , .	0.8	126
119	CODEX. , 2010, , .		10
120	PRIMORDIAL NON-GAUSSIANITY AND THE NRAO VLA SKY SURVEY. Astrophysical Journal Letters, 2010, 717, L17-L21.	3.0	59
121	The rise of the Câ€ƒiv mass density atz< 2.5. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2715-2721.	1.6	59
122	The impact of feedback on the low-redshift intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1911-1926.	1.6	57
123	High-redshift cosmography. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 005-005.	1.9	71
124	The effect of neutrinos on the matter distribution as probed by the intergalactic medium. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 015-015.	1.9	179
125	Constraining primordial non-Gaussianity with high-redshift probes. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 013-013.	1.9	53
126	Realistic Sterile Neutrino Dark Matter with keV Mass does not Contradict Cosmological Bounds. Physical Review Letters, 2009, 102, 201304.	2.9	152

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127	Lenses in the Forest: Cross Correlation of the Lyman-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>Flux with Cosmic Microwave Background Lensing. Physical Review Letters, 2009, 103, 091304.	2.9	13
128	The high redshift Integrated Sachs-Wolfe effect. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 003-003.	1.9	45
129	Early dark energy at high redshifts: status and perspectives. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 002-002.	1.9	36
130	Damped Lyman Î± systems in high-resolution hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2009, 397, 411-430.	1.6	72
131	Cosmological and astrophysical constraints from the Lyman Î± forest flux probability distribution function. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 399, L39-L43.	1.2	78
132	The Intergalactic Medium as a Cosmological Tool. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 156-161.	0.5	0
133	Lyman-Î± constraints on warm and on warm-plus-cold dark matter models. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 012-012.	1.9	325
134	Cosmic dynamics in the era of Extremely Large Telescopes. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1192-1218.	1.6	210
135	Possible evidence for an inverted temperatureâ€“density relation in the intergalactic medium from the flux distribution of the LyÎ± forest. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1131-1144.	1.6	123
136	On the importance of high-redshift intergalactic voids. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1285-1293.	1.6	22
137	The relation between Lyman absorbers and gas-rich galaxies in the local Universe. Monthly Notices of the Royal Astronomical Society, 2008, 388, 282-292.	1.6	8
138	How Cold Is Cold Dark Matter? Small-Scales Constraints from the Flux Power Spectrum of the High-Redshift Lyman-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>Forest. Physical Review Letters, 2008, 100, 041304.	2.9	174
139	The Lyman-Î± Forest as a Probe of the Coldness of Dark Matter. , 2008, , 255-260.		1
140	Strong MgiiSystems in Quasar and Gammaâ€Ray Burst Spectra. Astrophysical Journal, 2007, 659, 218-224.	1.6	36
141	Is the Concentration of Dark Matter Halos at Virialization Universal?. Astrophysical Journal, 2007, 663, L53-L56.	1.6	37
142	Neutrinos and the Lyman-Î± forest: myth or reality?. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 54-56.	0.5	0
143	An improved measurement of the flux distribution of the LyÂ forest in QSO absorption spectra: the effect of continuum fitting, metal contamination and noise properties. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1657-1674.	1.6	123
144	ESTREMO/WFXRT: Extreme phySics in the TRansient and Evolving COsmos. , 2006, , .		5

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145	Cosmological and astrophysical parameters from the Sloan Digital Sky Survey flux power spectrum and hydrodynamical simulations of the Lyman Î± forest. Monthly Notices of the Royal Astronomical Society, 2006, 365, 231-244.	1.6	152
146	Spatial fluctuations in the spectral shape of the ultraviolet background at 2 › z › 3 and the reionization of helium. Monthly Notices of the Royal Astronomical Society, 2006, 366, 1378-1390.	1.6	53
147	Testing the accuracy of the hydrodynamic particle-mesh approximation in numerical simulations of the Lyman Â forest. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1655-1665.	1.6	28
148	On the formation of dwarf galaxies and stellar haloes. Monthly Notices of the Royal Astronomical Society, 2006, 371, 885-897.	1.6	96
149	Can Sterile Neutrinos Be Ruled Out as Warm Dark Matter Candidates?. Physical Review Letters, 2006, 97, 071301.	2.9	193
150	Expansion and Collapse in the Cosmic Web. Astrophysical Journal, 2005, 632, 58-80.	1.6	33
151	Constraints on the meta-galactic hydrogen ionisation rate from the Lyman-$alpha$ forest opacity. Proceedings of the International Astronomical Union, 2005, 1, 219-224.	0.0	1
152	The Lyman-$alpha$ forest as a probe of fundamental physics. Proceedings of the International Astronomical Union, 2005, 1, 255-260.	0.0	2
153	The Lyman a forest opacity and the metagalactic hydrogen ionization rate at z Â 2-4. Monthly Notices of the Royal Astronomical Society, 2005, 357, 1178-1188.	1.6	176
154	Squeezing the window on isocurvature modes with the Lyman-Î±forest. Physical Review D, 2005, 72, .	1.6	50
155	Constraining warm dark matter candidates including sterile neutrinos and light gravitinos with WMAP and the Lyman-Î±forest. Physical Review D, 2005, 71, .	1.6	671
156	The power spectrum of the flux distribution in the Lyman Â forest of a large sample of UVES QSO absorption spectra (LUQAS). Monthly Notices of the Royal Astronomical Society, 2004, 347, 355-366.	1.6	111
157	Constraints on the primordial power spectrum from high-resolution Lyman Î± forest spectra and WMAP. Monthly Notices of the Royal Astronomical Society, 2004, 355, L23-L28.	1.6	58
158	Inferring the dark matter power spectrum from the LymanÎ±forest in high-resolution QSO absorption spectra. Monthly Notices of the Royal Astronomical Society, 2004, 354, 684-694.	1.6	254
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