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	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
2	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	1.9	1,571
3	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
4	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
5	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
6	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
7	Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, .	1.6	487
8	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
9	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
10	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. Astronomy and Astrophysics, 2017, 597, A79.	2.1	337
11	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
12	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
13	Neutrinoless Double Beta Decay: 2015 Review. Advances in High Energy Physics, 2016, 2016, 1-37.	0.5	292
14	Massive neutrinos and the non-linear matter power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2551-2561.	1.6	263
15	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
16	Neutrino masses and cosmology with Lyman-alpha forest power spectrum. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 011-011.	1.9	211
17	Cosmic dynamics in the era of Extremely Large Telescopes. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1192-1218.	1.6	210
18	The Sloan Digital Sky Survey quasar catalog: tenth data release. Astronomy and Astrophysics, 2014, 563, A54.	2.1	200

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19	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
20	Can Sterile Neutrinos Be Ruled Out as Warm Dark Matter Candidates?. Physical Review Letters, 2006, 97, 071301.	2.9	193
21	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
22	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
23	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
24	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
25	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
26	The one-dimensional LyÎ±forest power spectrum from BOSS. Astronomy and Astrophysics, 2013, 559, A85.	2.1	166
27	ESPRESSO: The next European exoplanet hunter. Astronomische Nachrichten, 2014, 335, 8-20.	0.6	165
28	Lyman-alpha forests cool warm dark matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 012-012.	1.9	153
29	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
30	Realistic Sterile Neutrino Dark Matter with keV Mass does not Contradict Cosmological Bounds. Physical Review Letters, 2009, 102, 201304.	2.9	152
31	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	1.6	150
32	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
33	The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2.	3.0	149
34	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
35	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
36	Galactic Winds in the Intergalactic Medium. Astrophysical Journal, 2002, 578, L5-L8.	1.6	131

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37	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations. Proceedings of SPIE, 2010, , .	0.8	126
38	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
39	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
40	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
41	The Sherwood simulation suite: overview and data comparisons with the LymanÂÎ± forest at redshifts 2 â‰¤z≤â‰ 5. Monthly Notices of the Royal Astronomical Society, 2017, 464, 897-914.	1.6	119
42	CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS. Astrophysical Journal, 2012, 761, 14.	1.6	113
43	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
44	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
45	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
46	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
47	On the formation of dwarf galaxies and stellar haloes. Monthly Notices of the Royal Astronomical Society, 2006, 371, 885-897.	1.6	96
48	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
49	Voids in massive neutrino cosmologies. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	1.9	94
50	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
51	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
52	Minimally parametric power spectrum reconstruction from the Lyman Î± forest. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1717-1728.	1.6	82
53	A consistent determination of the temperature of the intergalactic medium at redshift â€ˆzâ€‰ = 2.4. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2499-2507.	1.6	81
54	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

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55	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
56	Probing the intergalactic medium with the LyÎ± forest along multiple lines of sight to distant QSOs. Monthly Notices of the Royal Astronomical Society, 2002, 329, 848-862.	1.6	72
57	Damped Lyman Î± systems in high-resolution hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2009, 397, 411-430.	1.6	72
58	High-redshift cosmography. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 005-005.	1.9	71
59	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
60	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
61	THE BOSS LyÎ± FOREST SAMPLE FROM SDSS DATA RELEASE 9. Astronomical Journal, 2013, 145, 69.	1.9	68
62	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
63	Non-linear evolution of the cosmic neutrino background. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 019-019.	1.9	66
64	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
65	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 LyÎ± FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. Astrophysical Journal, 2015, 799, 196.	1.6	64
66	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
67	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
68	Constraints on primordial non-Gaussianity from large scale structure probes. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 033-033.	1.9	62
69	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
70	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
71	WEIGHING NEUTRINOS WITH COSMIC NEUTRAL HYDROGEN. Astrophysical Journal, 2015, 814, 146.	1.6	60
72	PRIMORDIAL NON-GAUSSIANITY AND THE NRAO VLA SKY SURVEY. Astrophysical Journal Letters, 2010, 717, L17-L21.	3.0	59

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73	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
74	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
75	The impact of feedback on the low-redshift intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1911-1926.	1.6	57
76	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
77	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
78	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
79	Constraining primordial non-Gaussianity with high-redshift probes. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 013-013.	1.9	53
80	The halo model in a massive neutrino cosmology. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 053-053.	1.9	53
81	High-redshift post-reionization cosmology with 21cm intensity mapping. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 004-004.	1.9	51
82	Squeezing the window on isocurvature modes with the Lyman-Î±forest. Physical Review D, 2005, 72, .	1.6	50
83	Cosmography beyond standard candles and rulers. Physical Review D, 2012, 85, .	1.6	50
84	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
85	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
86	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
87	The non-linear power spectrum of the Lyman alpha forest. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 017-017.	1.9	49
88	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
89	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
90	The high redshift Integrated Sachs-Wolfe effect. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 003-003.	1.9	45

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91	Galactic winds in cosmological simulations of the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3213-3234.	1.6	45
92	Particle Dark Matter Searches Outside the Local Group. Physical Review Letters, 2015, 114, 241301.	2.9	45
93	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
94	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
95	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
96	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
97	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
98	Detecting Neutrino Mass by Combining Matter Clustering, Halos, and Voids. Astrophysical Journal, 2021, 919, 24.	1.6	40
99	The first billion years of a warm dark matter universe. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2760-2775.	1.6	38
100	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
101	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
102	The atomic hydrogen content of the post-reionization Universe. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5434-5455.	1.6	38
103	Is the Concentration of Dark Matter Halos at Virialization Universal?. Astrophysical Journal, 2007, 663, L53-L56.	1.6	37
104	Constraints on massive neutrinos from the CFHTLS angular power spectrum. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 010-010.	1.9	37
105	Strong MgiiSystems in Quasar and Gammaâ€Ray Burst Spectra. Astrophysical Journal, 2007, 659, 218-224.	1.6	36
106	Early dark energy at high redshifts: status and perspectives. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 002-002.	1.9	36
107	Expansion and Collapse in the Cosmic Web. Astrophysical Journal, 2005, 632, 58-80.	1.6	33
108	Suite of hydrodynamical simulations for the Lyman-Î±forest with massive neutrinos. Astronomy and Astrophysics, 2014, 567, A79.	2.1	32

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109	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
110	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
111	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
112	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
113	CROSS-CORRELATING THE Î³-RAY SKY WITH CATALOGS OF GALAXY CLUSTERS. Astrophysical Journal, Supplement Series, 2017, 228, 8.	3.0	26
114	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
115	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
116	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
117	The effect of massive neutrinos on the BAO peak. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 001-001.	1.9	24
118	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
119	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
120	Relativistic effects in Lyman-Î± forest. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 051-051.	1.9	23
121	On the importance of high-redshift intergalactic voids. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1285-1293.	1.6	22
122	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
123	Weighing neutrinos with the halo environment. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 032-032.	1.9	21
124	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
125	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
126	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

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127	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
128	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
129	H₀ Reconstruction with Type Ia Supernovae, Baryon Acoustic Oscillation and Gravitational Lensing Time Delay. Astrophysical Journal, 2020, 900, 160.	1.6	14
130	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
131	Gravitational waves Ã— HI intensity mapping: cosmological and astrophysical applications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 004.	1.9	14
132	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
133	ESPRESSO: the ultimate rocky exoplanets hunter for the VLT. Proceedings of SPIE, 2012, , .	0.8	13
134	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
135	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
136	CODEX. , 2010, , .		10
137	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
138	ESPRESSO: the radial velocity machine for the VLT. Proceedings of SPIE, 2014, , .	0.8	9
139	Semi-analytic galaxy formation in massive neutrino cosmologies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3361-3367.	1.6	9
140	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
141	Constraints on the spacetime dynamics of an early dark energy component. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 039-039.	1.9	9
142	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
143	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
144	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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145	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
146	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
147	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
148	Cosmic Voids and BAO with relative baryon-CDM perturbations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4333-4349.	1.6	6
149	ESTREMO/WFXRT: Extreme phySics in the TRansient and Evolving COsmos. , 2006, , .		5
150	Non-perturbative results for the luminosity and area distances. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 040-040.	1.9	3
151	The Lyman-$alpha$ forest as a probe of fundamental physics. Proceedings of the International Astronomical Union, 2005, 1, 255-260.	0.0	2
152	Statistics of cosmological Lyman Î± absorption. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2359-2375.	1.6	2
153	ESPRESSO, an exo-Earths hunter for the VLT. , 2013, , .		2
154	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
155	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
156	Perturbative treatment of the luminosity distance. Physical Review D, 2018, 98, .	1.6	1
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