

Nathalie Palanque-Delabrouille

List of Publications by Year in descending order

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84
papers

24,631
citations

25034

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58581

82
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85
all docs

85
docs citations

85
times ranked

11572
citing authors

#	ARTICLE	IF	CITATIONS
1	Status and perspectives of neutrino physics. <i>Progress in Particle and Nuclear Physics</i> , 2022, 124, 103947.	14.4	31
2	Deep Learning of Dark Energy Spectroscopic Instrument Mock Spectra to Find Damped Ly α Systems. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 28.	7.7	8
3	Simulating intergalactic gas for DESI-like small scale Lyman α forest observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 059.	5.4	18
4	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. <i>Physical Review D</i> , 2021, 103, .	4.7	527
5	Microwave spectro-polarimetry of matter and radiation across space and time. <i>Experimental Astronomy</i> , 2021, 51, 1471-1514.	3.7	15
6	Angular clustering properties of the DESI QSO target selection using DR9 Legacy Imaging Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3904-3923.	4.4	11
7	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Large-scale structure catalogues for cosmological analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2354-2371.	4.4	100
8	The impact of AGN feedback on the 1D power spectra from the Ly α forest using the Horizon-AGN suite of simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1825-1840.	4.4	28
9	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
10	LyaCoLoRe: synthetic datasets for current and future Lyman α forest BAO surveys. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 068-068.	5.4	24
11	Hints, neutrino bounds, and WDM constraints from SDSS DR14 Lyman α and Planck full-survey data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 038-038.	5.4	144
12	The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations with Ly α Forests. <i>Astrophysical Journal</i> , 2020, 901, 153.	4.5	174
13	The Sloan Digital Sky Survey Quasar Catalog: Sixteenth Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 8.	7.7	248
14	Preliminary Target Selection for the DESI Quasar (QSO) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 179.	0.7	38
15	Preliminary Target Selection for the DESI Emission Line Galaxy (ELG) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 180.	0.7	34
16	Preliminary Target Selection for the DESI Luminous Red Galaxy (LRG) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 181.	0.7	46
17	Preliminary Target Selection for the DESI Bright Galaxy Survey (BCS). <i>Research Notes of the AAS</i> , 2020, 4, 187.	0.7	40
18	The Sloan Digital Sky Survey Reverberation Mapping Project: Photometric $\langle i \rangle_g$ and $\langle i \rangle_i$ Light Curves. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 10.	7.7	3

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19	The one-dimensional power spectrum from the SDSS DR14 Ly α forests. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 017-017.	5.4	80
20	Matter power spectrum: from Ly α forest to CMB scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2247-2253.	4.4	51
21	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
22	Baryon acoustic oscillations from the cross-correlation of Ly α absorption and quasars in eBOSS DR14. <i>Astronomy and Astrophysics</i> , 2019, 629, A86.	5.1	176
23	Baryon acoustic oscillations at $z = 2.34$ from the correlations of Ly α absorption in eBOSS DR14. <i>Astronomy and Astrophysics</i> , 2019, 629, A85.	5.1	176
24	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: first measurement of baryon acoustic oscillations between redshift 0.8 and 2.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4773-4794.	4.4	301
25	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: measurement of the growth rate of structure from the anisotropic correlation function between redshift 0.8 and 2.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1639-1663.	4.4	109
26	The Sloan Digital Sky Survey Quasar Catalog: Fourteenth data release. <i>Astronomy and Astrophysics</i> , 2018, 613, A51.	5.1	333
27	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
28	Measurement of baryon acoustic oscillation correlations at $z \approx 2.3$ with SDSS DR12 Ly α -Forests. <i>Astronomy and Astrophysics</i> , 2017, 603, A12.	5.1	291
29	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
30	Constraints from Ly α forests on non-thermal dark matter including resonantly-produced sterile neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 013-013.	5.4	98
31	Constraints on neutrino masses from Lyman-alpha forest power spectrum with BOSS and XQ-100. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 047-047.	5.4	139
32	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
33	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2617-2652.	4.4	1,906
34	Clustering of quasars in SDSS-IV eBOSS: study of potential systematics and bias determination. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 017-017.	5.4	66
35	Constraining the mass of light bosonic dark matter using SDSS Lyman- α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4606-4614.	4.4	183
36	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. <i>Astronomy and Astrophysics</i> , 2017, 597, A79.	5.1	337

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37	Baryon acoustic oscillations from the complete SDSS-III Ly α -quasar cross-correlation function at $z = 2.4$. <i>Astronomy and Astrophysics</i> , 2017, 608, A130.	5.1	189
38	Quasar host environments: The view from Planck. <i>Astronomy and Astrophysics</i> , 2016, 588, A61.	5.1	19
39	The extended Baryon Oscillation Spectroscopic Survey: a cosmological forecast. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2377-2390.	4.4	83
40	Large-scale clustering of Lyman α emission intensity from SDSS/BOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3541-3572.	4.4	50
41	Lyman-alpha forests cool warm dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 012-012.	5.4	153
42	RAPIDLY RISING TRANSIENTS IN THE SUPERNOVA "SUPERLUMINOUS SUPERNOVA GAP". <i>Astrophysical Journal</i> , 2016, 819, 35.	4.5	122
43	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
44	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. <i>Astrophysical Journal, Supplement Series</i> , 2015, 221, 27.	7.7	153
45	Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015, 92, .	4.7	487
46	Constraints on dark radiation from cosmological probes. <i>Physical Review D</i> , 2015, 92, .	4.7	31
47	Baryon acoustic oscillations in the Ly α forest of BOSS DR11 quasars. <i>Astronomy and Astrophysics</i> , 2015, 574, A59.	5.1	669
48	Neutrino masses and cosmology with Lyman-alpha forest power spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 011-011.	5.4	211
49	Sloan Digital Sky Survey III photometric quasar clustering: probing the initial conditions of the Universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 040-040.	5.4	41
50	Constraint on neutrino masses from SDSS-III/BOSS Ly α forest and other cosmological probes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 045-045.	5.4	100
51	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 Ly α FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , 2015, 799, 196.	4.5	64
52	Mock Quasar-Lyman α forest data-sets for the SDSS-III Baryon Oscillation Spectroscopic Survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 060-060.	5.4	24
53	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.	7.7	1,877
54	Suite of hydrodynamical simulations for the Lyman- α forest with massive neutrinos. <i>Astronomy and Astrophysics</i> , 2014, 567, A79.	5.1	32

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55	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
56	Probing the circumgalactic medium at high-redshift using composite BOSS spectra of strong Lyman $\hat{\pm}$ forest absorbers. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1718-1740.	4.4	50
57	Characterizing unknown systematics in large scale structure surveys. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007.	5.4	16
58	New approach for precise computation of Lyman- $\hat{\pm}$ forest power spectrum with hydrodynamical simulations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 005-005.	5.4	42
59	Quasar-Lyman $\hat{\pm}$ forest cross-correlation from BOSS DR11: Baryon Acoustic Oscillations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 027-027.	5.4	392
60	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. Monthly Notices of the Royal Astronomical Society, 2014, 441, 24-62.	4.4	1,168
61	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.	7.7	820
62	The Sloan Digital Sky Survey quasar catalog: tenth data release. Astronomy and Astrophysics, 2014, 563, A54.	5.1	200
63	Measurement of baryon acoustic oscillations in the Lyman- $\hat{\pm}$ forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	5.4	185
64	Fitting methods for baryon acoustic oscillations in the Lyman- $\hat{\pm}$ forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 024-024.	5.4	61
65	Detection of Ly $\hat{\pm}^2$ auto-correlations and Ly $\hat{\pm}$ -Ly $\hat{\pm}^2$ cross-correlations in BOSS Data Release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 016-016.	5.4	13
66	The large-scale quasar-Lyman $\hat{\pm}$ forest cross-correlation from BOSS. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 018-018.	5.4	80
67	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.	4.4	68
68	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: THE QUASAR LUMINOSITY FUNCTION FROM DATA RELEASE NINE. Astrophysical Journal, 2013, 773, 14.	4.5	170
69	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	4.7	1,571
70	THE BOSS Ly $\hat{\pm}$ FOREST SAMPLE FROM SDSS DATA RELEASE 9. Astronomical Journal, 2013, 145, 69.	4.7	68
71	The one-dimensional Ly $\hat{\pm}$ forest power spectrum from BOSS. Astronomy and Astrophysics, 2013, 559, A85.	5.1	166
72	Evidence of Galaxy Cluster Motions with the Kinematic Sunyaev-Zelâ€™dovich Effect. Physical Review Letters, 2012, 109, 041101.	7.8	185

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73	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 3.	7.7	246
74	CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS. <i>Astrophysical Journal</i> , 2012, 761, 14.	4.5	113
75	ACOUSTIC SCALE FROM THE ANGULAR POWER SPECTRA OF SDSS-III DR8 PHOTOMETRIC LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2012, 761, 13.	4.5	77
76	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 21.	7.7	1,158
77	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
78	The Lyman- $\hat{\pm}$ forest in three dimensions: measurements of large scale flux correlations from BOSS 1st-year data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 001-001.	5.4	126
79	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 29.	7.7	1,166
80	Overview of astroparticle physics and dark matter searches. <i>International Journal of Modern Physics A</i> , 2007, 22, 5735-5746.	1.5	1
81	DUNE: the Dark Universe Explorer. , 2006, 6265, 625.		14
82	Not enough MACHOs in the galactic halo. <i>New Astronomy Reviews</i> , 2001, 45, 395-399.	12.8	0
83	Dark matters. <i>Comptes Rendus Physique</i> , 2000, 1, 217-225.	0.1	0
84	A search for Galactic Dark Matter with EROS 2. <i>New Astronomy</i> , 1999, 4, 265-273.	1.8	4