

Julien Lesgourgues

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

4,184
citations

201674

27
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	6.7	350
2	Gravitation and the Universe from large scale-structures. <i>Experimental Astronomy</i> , 2021, 51, 1623-1640.	3.7	5
3	Microwave spectro-polarimetry of matter and radiation across space and time. <i>Experimental Astronomy</i> , 2021, 51, 1471-1514.	3.7	15
4	$\frac{H_0}{T} < 0$ tension or $T < 0$ tension?. <i>Physical Review D</i> , 2020, 102, .	4.7	44
5	Including massive neutrinos in thermal Sunyaev Zeldovich power spectrum and cluster counts analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1332-1347.	4.4	18
6	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
7	What will it take to measure individual neutrino mass states using cosmology?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 021-021.	5.4	33
8	Cosmology in the era of Euclid and the Square Kilometre Array. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 047-047.	5.4	68
9	Lensing anomalies from the epoch of reionisation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 042-042.	5.4	2
10	MontePython 3: Boosted MCMC sampler and other features. <i>Physics of the Dark Universe</i> , 2019, 24, 100260.	4.9	315
11	The promising future of a robust cosmological neutrino mass measurement. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 059-059.	5.4	91
12	Updated tomographic analysis of the integrated Sachs-Wolfe effect and implications for dark energy. <i>Physical Review D</i> , 2018, 97, .	4.7	52
13	Interacting dark sector and precision cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 008-008.	5.4	114
14	Bias due to neutrinos must not uncorrect'd go. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 001-001.	5.4	65
15	A fresh look at linear cosmological constraints on a decaying Dark Matter component. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 036-036.	5.4	146
16	Constraints on dark radiation from cosmological probes. <i>Physical Review D</i> , 2015, 92, .	4.7	31
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Using the CMB angular power spectrum to study Dark Matter-photon interactions. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 026-026.	5.4	79
20	Neutrino cosmology and Planck. New Journal of Physics, 2014, 16, 065002.	2.9	110
21	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.	5.4	119
22	Neutrino Mass from Cosmology. Advances in High Energy Physics, 2012, 2012, 1-34.	1.1	145
23	Cosmological lepton asymmetry with a nonzero mixing angle θ_{13} . Physical Review D, 2012, 86, .	4.7	52
24	The Cosmic Linear Anisotropy Solving System (CLASS) IV: efficient implementation of non-cold relics. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 032-032.	5.4	220
25	Cosmological parameters from large scale structure - geometric versus shape information. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 022-022.	5.4	111
26	Galaxies weigh in on neutrinos. Physics Magazine, 2010, 3, .	0.1	4
27	Cosmological constraints on a light nonthermal sterile neutrino. Physical Review D, 2009, 79, .	4.7	36
28	Model independent constraints on mass-varying neutrino scenarios. Physical Review D, 2009, 80, .	4.7	18
29	Non-linear power spectrum including massive neutrinos: the time-RG flow approach. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 017-017.	5.4	83
30	Lyman- α constraints on warm and on warm-plus-cold dark matter models. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 012-012.	5.4	325
31	Using big bang nucleosynthesis in cosmological parameter extraction from the cosmic microwave background: a forecast for PLANCK. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 004.	5.4	78
32	Constraining neutrino masses with the integrated-Sachs-Wolfe-galaxy correlation function. Physical Review D, 2008, 77, .	4.7	18
33	Massive neutrinos and cosmology. Physics Reports, 2006, 429, 307-379.	25.6	796
34	Probing cosmological parameters with the CMB: forecasts from Monte Carlo simulations. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 013-013.	5.4	186