Seshadri Nadathur

List of Publications by Year
in descending order

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48 papers	4,346 citations	172457 29 h-index	223800 46 g-index
48 all docs	48 docs citations	48 times ranked	3539 citing authors

#	Article	IF	Citations
1	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	7.7	826
2	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. Physical Review D, 2021, 103, .	4.7	527
3	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	7.7	405
4	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. Physical Review D, 2022, 105, .	4.7	398
5	Beyond<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si33.gif" display="inline" overflow="scroll"><mml:mi>Î›</mml:mi><mml:mstyle mathvariant="normal"><mml:mi>CDM</mml:mi></mml:mstyle></mml:math>: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.	4.9	361
6	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic correlation function between redshifts 0.6 and 1. Monthly Notices of the Royal Astronomical Society, 2020, 500, 736-762.	4.4	154
7	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic power spectrum between redshifts 0.6 and 1.0. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2492-2531.	4.4	137
8	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the emission line galaxy sample from the anisotropic power spectrum between redshift 0.6 and 1.1. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	91
9	Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 465, 746-759.	4.4	86
10	Decaying dark matter and the tension in Ïƒ₈. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 067-067.	5.4	81
11	Observable gravitational waves from inflation with small field excursions. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 008-008.	5.4	77
12	Beyond BAO: Improving cosmological constraints from BOSS data with measurement of the void-galaxy cross-correlation. Physical Review D, 2019, 100, .	4.7	69
13	A robust public catalogue of voids and superclusters in the SDSS Data Release 7 galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1248-1262.	4.4	62
14	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: large-scale structure catalogues and measurement of the isotropic BAO between redshift 0.6 and 1.1 for the Emission Line Galaxy Sample. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3254-3274.	4.4	62
15	The integrated Sachs-Wolfe imprint of cosmic superstructures: a problem for Î›CDM. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 042-042.	5.4	60
16	Reconciling the local void with the CMB. Physical Review D, 2011, 83, .	4.7	53
17	The stacked ISW signal of rare superstructures in Î›CDM. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 013-013.	5.4	52
18	A DETECTION OF THE INTEGRATED SACHSâ€“WOLFE IMPRINT OF COSMIC SUPERSTRUCTURES USING A MATCHED-FILTER APPROACH. Astrophysical Journal Letters, 2016, 830, L19.	8.3	50

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19	Can a supervoid explain the cold spot?. Physical Review D, 2014, 90, .	4.7	46
20	The nature of voids â€“ I. Watershed void finders and their connection with theoretical models. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2228-2241.	4.4	46
21	Seeing patterns in noise: gigaparsec-scale â€˜structuresâ€™ that do not violate homogeneity. Monthly Notices of the Royal Astronomical Society, 2013, 434, 398-406.	4.4	45
22	More out of less: an excess integrated Sachsâ€“Wolfe signal from supervoids mapped out by the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5267-5277.	4.4	42
23	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4626-4645.	4.4	42
24	The completed SDSS-IV extended baryon oscillation spectroscopic survey: geometry and growth from the anisotropic voidâ€“galaxy correlation function in the luminous red galaxy sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4140-4157.	4.4	39
25	Testing cosmology with a catalogue of voids in the BOSS galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2016, 461, 358-370.	4.4	38
26	The nature of voids â€“ II. Tracing underdensities with biased galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 889-901.	4.4	37
27	The Jubilee ISW Project - II. Observed and simulated imprints of voids and superclusters on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2014, 446, 1321-1334.	4.4	36
28	Imprint of DES superstructures on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4166-4179.	4.4	36
29	Inflection point inflation: WMAP constraints and a solution to the fine tuning problem. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 002-002.	5.4	34
30	Self-similarity and universality of void density profiles in simulation and SDSS data. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3997-4009.	4.4	33
31	An accurate linear model for redshift space distortions in the voidâ€“galaxy correlation function. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3472-3487.	4.4	31
32	Testing Low-Redshift Cosmic Acceleration with Large-Scale Structure. Physical Review Letters, 2020, 124, 221301.	7.8	31
33	Constraints on the growth of structure around cosmic voids in eBOSS DR14. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 012-012.	5.4	29
34	The Jubilee ISW project â€“ I. Simulated ISW and weak lensing maps and initial power spectra results. Monthly Notices of the Royal Astronomical Society, 2014, 438, 412-425.	4.4	28
35	A Zeldovich reconstruction method for measuring redshift space distortions using cosmic voids. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2459-2470.	4.4	23
36	Tracing the gravitational potential using cosmic voids. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4067-4079.	4.4	22

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37	The Gravitational Lensing Signatures of BOSS Voids in the Cosmic Microwave Background. Astrophysical Journal, 2020, 890, 168.	4.5	21
38	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: growth rate of structure measurement from cosmic voids. Monthly Notices of the Royal Astronomical Society, 2022, 513, 186-203.	4.4	21
39	Dark Energy Survey Year 1 results: the lensing imprint of cosmic voids on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2020, 500, 464-480.	4.4	19
40	Cosmology beyond BAO from the 3D distribution of the Lyman-Î± forest. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5439-5450.	4.4	16
41	DES Y1 results: Splitting growth and geometry to test <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:math>. Physical Review D, 2021, 103, .	4.7	16
42	Inflation with large supergravity corrections. Physical Review D, 2012, 85, .	4.7	15
43	Constraints on decaying dark matter from weak lensing and cluster counts. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 015-015.	5.4	15
44	The DES view of the Eridanus supervoid and the CMB cold spot. Monthly Notices of the Royal Astronomical Society, 2021, 510, 216-229.	4.4	14
45	Curvaton Scenario within the Minimal Supersymmetric Standard Model and Predictions for Non-Gaussianity. Physical Review Letters, 2012, 108, 111302.	7.8	11
46	Universal void density profiles from simulation and SDSS. Proceedings of the International Astronomical Union, 2014, 11, 542-545.	0.0	6
47	Environmental dependence of X-ray and optical properties of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1953-1963.	4.4	3
48	The ISW imprints of voids and superclusters on the CMB. Proceedings of the International Astronomical Union, 2014, 11, 580-584.	0.0	0