

Arman Shafieloo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/868369/publications.pdf>

Version: 2024-02-01

103
papers

6,669
citations

94433

37
h-index

62596

80
g-index

103
all docs

103
docs citations

103
times ranked

4186
citing authors

#	ARTICLE	IF	CITATIONS
1	Out of one, many: distinguishing time delays from lensed supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1210-1217.	4.4	5
2	Bayesian vs frequentist: comparing Bayesian model selection with a frequentist approach using the iterative smoothing method. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 047.	5.4	4
3	Identifying Lensed Quasars and Measuring Their Time Delays from Unresolved Light Curves. Astrophysical Journal, 2022, 927, 191.	4.5	10
4	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
5	A novel approach for calculating galaxy rotation curves using spaxel cross-correlation and iterative smoothing. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2278-2297.	4.4	0
6	On the distribution of Bayesian evidence. Monthly Notices of the Royal Astronomical Society, 2022, 515, 293-301.	4.4	4
7	Reconstructing the Universe: Testing the Mutual Consistency of the Pantheon and SDSS/eBOSS BAO Data Sets with Gaussian Processes. Astronomical Journal, 2021, 161, 151.	4.7	24
8	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: a multitracer analysis in Fourier space for measuring the cosmic structure growth and expansion rate. Monthly Notices of the Royal Astronomical Society, 2021, 504, 33-52.	4.4	20
9	Be It Unresolved: Measuring Time Delays from Lensed Supernovae. Astrophysical Journal, 2021, 910, 65.	4.5	10
10	Model selection and parameter estimation using the iterative smoothing method. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 034.	5.4	5
11	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
12	Dark energy as a critical phenomenon: a hint from Hubble tension. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 003.	5.4	18
13	Hubble diagram at higher redshifts: model independent calibration of quasars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 919-926.	4.4	27
14	Snowmass2021 - Letter of interest cosmology intertwined II: The Hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	4.3	228
15	Generalized emergent dark energy model and the Hubble constant tension. Physical Review D, 2021, 104, .	4.7	23
16	Cosmology intertwined III: $f\sigma_8$ and S_8 . Astroparticle Physics, 2021, 131, 102604.	4.3	182
17	Phantom Braneworld and the Hubble Tension. Astrophysical Journal, 2021, 923, 212.	4.5	9
18	Inflation story: slow-roll and beyond. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 038.	5.4	10

#	ARTICLE	IF	CITATIONS
19	Debiasing cosmic gravitational wave sirens. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3983-3989.	4.4	19
20	Reconciling H_0 tension in a six parameter space?. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 062-062.	5.4	46
21	The clustering of the SDSS-IV extended baryon oscillation spectroscopic survey DR16 luminous red galaxy and emission-line galaxy samples: cosmic distance and structure growth measurements using multiple tracers in configuration space. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3470-3483.	4.4	29
22	Determining Model-independent H_0 and Consistency Tests. Astrophysical Journal Letters, 2020, 895, L29.	8.3	48
23	Defying the laws of gravity I: model-independent reconstruction of the Universe expansion from growth data. Monthly Notices of the Royal Astronomical Society, 2020, 494, 819-826.	4.4	14
24	Constraints on features in the inflationary potential from future Euclid data. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3448-3468.	4.4	14
25	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
26	Using variability and VLBI to measure cosmological distances. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 495, L27-L31.	3.3	6
27	Inflation wars: a new hope. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 055-055.	5.4	25
28	Model-independent Constraints on Type Ia Supernova Light-curve Hyperparameters and Reconstructions of the Expansion History of the Universe. Astrophysical Journal, 2020, 899, 9.	4.5	10
29	Evidence for Emergent Dark Energy. Astrophysical Journal, 2020, 902, 58.	4.5	43
30	A Simple Phenomenological Emergent Dark Energy Model can Resolve the Hubble Tension. Astrophysical Journal Letters, 2019, 883, L3.	8.3	123
31	Update on testing the isotropy of the properties of gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3027-3040.	4.4	16
32	Parameter discordance in Planck CMB and low-redshift measurements: projection in the primordial power spectrum. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 036-036.	5.4	27
33	Model independent expansion history from supernovae: Cosmology versus systematics. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2783-2790.	4.4	20
34	A Model-independent Determination of the Hubble Constant from Lensed Quasars and Supernovae Using Gaussian Process Regression. Astrophysical Journal Letters, 2019, 886, L23.	8.3	75
35	Revisiting Metastable Dark Energy and Tensions in the Estimation of Cosmological Parameters. Astrophysical Journal, 2019, 887, 153.	4.5	28
36	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: a tomographic measurement of cosmic structure growth and expansion rate based on optimal redshift weights. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3497-3513.	4.4	142

#	ARTICLE	IF	CITATIONS
37	Cosmic curvature tested directly from observations. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 041-041.	5.4	39
38	Metastable dark energy with radioactive-like decay. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2760-2770.	4.4	36
39	Probing features in inflaton potential and reionization history with future CMB space observations. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	24
40	Cosmological Constraints from the Redshift Dependence of the Alcock-Paczynski Effect: Dynamical Dark Energy. Astrophysical Journal, 2018, 856, 88.	4.5	26
41	Probing features in the primordial perturbation spectrum with large-scale structure data. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2503-2512.	4.4	21
42	Falsifying Λ CDM : Model-independent tests of the concordance model with eBOSS DR14Q and Pantheon. Physical Review D, 2018, 98, .	4.7	44
43	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: anisotropic Baryon Acoustic Oscillations measurements in Fourier-space with optimal redshift weights. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1528-1535.	4.4	13
44	Model-independent cosmological constraints from growth and expansion. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3263-3268.	4.4	29
45	Model-independent test of the FLRW metric, the flatness of the Universe, and non-local estimation of H_0 . Journal of Cosmology and Astroparticle Physics, 2017, 2017, 015-015.	5.4	68
46	TIME DELAY ANALYSIS OF THE LENSED QUASAR SDSS J1001+5027. Astrophysical Journal, 2017, 834, 31.	4.5	3
47	Consistency of the Planck CMB data and Λ CDM cosmology. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 012-012.	5.4	15
48	Dynamical dark energy in light of the latest observations. Nature Astronomy, 2017, 1, 627-632.	10.1	332
49	Testing the Isotropic Universe Using the Gamma-Ray Burst Data of Fermi/GBM. Astrophysical Journal, 2017, 851, 15.	4.5	19
50	A non-parametric consistency test of the Λ CDM model with Planck CMB data. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 031-031.	5.4	16
51	Growth of perturbations in nonlocal gravity with non- Λ CDM background. Physical Review D, 2017, 95, .	4.7	12
52	Primordial features and Planck polarization. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 009-009.	5.4	35
53	Direct search for features in the primordial bispectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 297-301.	4.1	16
54	Search for a direction in the forest of Lyman- α . Journal of Cosmology and Astroparticle Physics, 2015, 2015, 012-012.	5.4	9

#	ARTICLE	IF	CITATIONS
55	STRONG LENS TIME DELAY CHALLENGE. II. RESULTS OF TDC1. <i>Astrophysical Journal</i> , 2015, 800, 11.	4.5	120
56	Unveiling acoustic physics of the CMB using nonparametric estimation of the temperature angular power spectrum for Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 007-007.	5.4	5
57	PROBING BULK FLOW WITH NEARBY SNe Ia DATA. <i>Astrophysical Journal</i> , 2015, 801, 76.	4.5	32
58	Nonparametric test of consistency between cosmological models and multiband CMB measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 003-003.	5.4	2
59	FAST AND RELIABLE TIME DELAY ESTIMATION OF STRONG LENS SYSTEMS USING THE SMOOTHING AND CROSS-CORRELATION METHODS. <i>Astrophysical Journal</i> , 2015, 804, 39.	4.5	12
60	POWER ASYMMETRY IN <i>WMAP</i> AND <i>PLANCK</i> TEMPERATURE SKY MAPS AS MEASURED BY A LOCAL VARIANCE ESTIMATOR. <i>Astrophysical Journal Letters</i> , 2014, 784, L42.	8.3	137
61	Ruling out the power-law form of the scalar primordial spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 061-061.	5.4	36
62	Testing local anisotropy using the method of smoothed residuals $\hat{\epsilon}$ ” methodology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 007-007.	5.4	9
63	Confronting the concordance model of cosmology with Planck data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 043-043.	5.4	19
64	Primordial power spectrum from Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 011-011.	5.4	62
65	Inflation with Whip-Shaped Suppressed Scalar Power Spectra. <i>Physical Review Letters</i> , 2014, 113, 071301.	7.8	56
66	Test of consistency between Planck and WMAP. <i>Physical Review D</i> , 2014, 89, .	4.7	10
67	Wiggly whipped inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 048-048.	5.4	69
68	Testing isotropy in the local Universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 070-070.	5.4	35
69	MODEL-INDEPENDENT EVIDENCE FOR DARK ENERGY EVOLUTION FROM BARYON ACOUSTIC OSCILLATIONS. <i>Astrophysical Journal Letters</i> , 2014, 793, L40.	8.3	193
70	Falsifying Cosmological Constant. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2014, 246-247, 171-177.	0.4	6
71	Model independent tests of cosmic growth versus expansion. <i>Physical Review D</i> , 2013, 87, .	4.7	41
72	Cosmological parameter estimation with free-form primordial power spectrum. <i>Physical Review D</i> , 2013, 87, .	4.7	25

#	ARTICLE	IF	CITATIONS
73	ISW effect as probe of features in the expansion history of the Universe. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 016-016.	5.4	10
74	Primordial power spectrum: a complete analysis with the WMAP nine-year data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 031-031.	5.4	34
75	Reconstruction of broad features in the primordial spectrum and inflaton potential from Planck. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 035-035.	5.4	36
76	Searching for systematics in SNIa and galaxy cluster data using the cosmic duality relation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 042-042.	5.4	16
77	Crossing statistic: reconstructing the expansion history of the universe. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 002-002.	5.4	43
78	Crossing statistic: Bayesian interpretation, model selection and resolving dark energy parametrization problem. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 024-024.	5.4	25
79	New null diagnostic customized for reconstructing the properties of dark energy from baryon acoustic oscillations data. Physical Review D, 2012, 86, .	4.7	57
80	Gaussian process cosmography. Physical Review D, 2012, 85, .	4.7	176
81	Cosmographic degeneracy. Physical Review D, 2011, 84, .	4.7	18
82	The crossing statistic: dealing with unknown errors in the dispersion of Type Ia supernovae. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 017-017.	5.4	26
83	Probing the anisotropic local Universe and beyond with SNeIa data. Monthly Notices of the Royal Astronomical Society, 2011, 414, 264-271.	4.4	144
84	Assumptions of the primordial spectrum and cosmological parameter estimation. New Journal of Physics, 2011, 13, 103024.	2.9	8
85	Presently decaying dark energy?. Annalen Der Physik, 2010, 19, 316-319.	2.4	6
86	A model-independent null test on the cosmological constant. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1879-1885.	4.4	60
87	Searching for hidden unexpected features in the SNIa data. , 2010, , .		1
88	Features in the primordial power spectrum? A frequentist analysis. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 010-010.	5.4	43
89	Tentative evidence for slowing down of cosmic acceleration from recent small redshift supernovae and BAO data. , 2010, , .		4
90	Wiggles in the cosmic microwave background radiation: Echoes from nonsingular cyclic inflation. Physical Review D, 2010, 82, .	4.7	29

#	ARTICLE	IF	CITATIONS
91	Model independent tests of the standard cosmological model. Physical Review D, 2010, 81, .	4.7	104
92	Induced cosmological constant and other features of asymmetric brane embedding. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 023-023.	5.4	30
93	Is a step in the primordial spectral index favoured by CMB data?. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 028-028.	5.4	67
94	Bright highzSnl _a : A challenge for Λ CDM. Physical Review D, 2009, 79, .	4.7	29
95	Is cosmic acceleration slowing down?. Physical Review D, 2009, 80, .	4.7	155
96	Two new diagnostics of dark energy. Physical Review D, 2008, 78, .	4.7	438
97	Estimation of primordial spectrum with post-WMAP 3-year data. Physical Review D, 2008, 78, .	4.7	62
98	Early Universe with CMB Anisotropy. Progress of Theoretical Physics Supplement, 2008, 172, 156-160.	0.1	5
99	Features in the primordial spectrum from WMAP: A wavelet analysis. Physical Review D, 2007, 75, .	4.7	65
100	Model-independent reconstruction of the expansion history of the Universe and the properties of dark energy. Monthly Notices of the Royal Astronomical Society, 2007, 380, 1573-1580.	4.4	88
101	Smoothing supernova data to reconstruct the expansion history of the Universe and its age. Monthly Notices of the Royal Astronomical Society, 2006, 366, 1081-1095.	4.4	158
102	Primordial power spectrum from WMAP. Physical Review D, 2004, 70, .	4.7	118
103	Hints for possible low redshift oscillation around the best fit Λ CDM model in the expansion history of the universe. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	21