

Jose Alberto Vazquez

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

8,622
citations

279798

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h-index

233421

45
g-index

46
all docs

46
docs citations

46
times ranked

8011
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification algorithms applied to structure formation simulations. Astronomy and Computing, 2022, 38, 100527.	1.7	4
2	Observational Cosmology with Artificial Neural Networks. Universe, 2022, 8, 120.	2.5	8
3	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
4	Neural network within a Bayesian inference framework. Journal of Physics: Conference Series, 2021, 1723, 012022.	0.4	6
5	The inverse problem of a dynamical system solved with genetic algorithms. Journal of Physics: Conference Series, 2021, 1723, 012021.	0.4	1
6	Bayesian model selection on scalar $\hat{\mu}$ -field dark energy. Physical Review D, 2021, 103, .	4.7	19
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	Core-halo mass relation in scalar field dark matter models and its consequences for the formation of supermassive black holes. Physical Review D, 2021, 103, .	4.7	23
9	Cosmological Parameter Inference with Bayesian Statistics. Universe, 2021, 7, 213.	2.5	18
10	Simple-graduated dark energy and spatial curvature. Physical Review D, 2021, 104, .	4.7	22
11	Relaxing cosmological tensions with a sign switching cosmological constant. Physical Review D, 2021, 104, .	4.7	42
12	Anisotropic massive Brans-Dicke gravity extension of the standard Λ CDM model. European Physical Journal C, 2020, 80, 1.	3.9	15
13	Simple supergravity model of inflation constrained with Planck 2018 data. Physical Review D, 2020, 101, .	4.7	4
14	Graduated dark energy: Observational hints of a spontaneous sign switch in the cosmological constant. Physical Review D, 2020, 101, .	4.7	73
15	Dark matter with n-body numerical simulations. Revista Mexicana De Fisica E, 2020, 17, 241-254.	0.1	5
16	Screening Λ in a new modified gravity model. European Physical Journal C, 2019, 79, 1.	3.9	39
17	Fourier-series expansion of the dark-energy equation of state. Monthly Notices of the Royal Astronomical Society, 2019, 487, 729-736.	4.4	18
18	Scalar field dark matter spectator during inflation: the effect of self-interaction. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	21

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19	Observational constraints on conformal time symmetry, missing matter and double dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 062-062.	5.4	12
20	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
21	Constraining the dark energy equation of state using Bayes theorem and the Kullback-Leibler divergence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 369-377.	4.4	32
22	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Fourier space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3409-3430.	4.4	174
23	Dynamical dark energy in light of the latest observations. <i>Nature Astronomy</i> , 2017, 1, 627-632.	10.1	332
24	Measurement of baryon acoustic oscillation correlations at $z < 0.23$ with SDSS DR12 Ly α -Forests. <i>Astronomy and Astrophysics</i> , 2017, 603, A12.	5.1	291
25	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
26	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
27	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: towards a computationally efficient analysis without informative priors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4116-4133.	4.4	16
28	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from DR12 galaxy clustering towards an accurate model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2370-2390.	4.4	39
29	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
30	Galaxy-galaxy lensing estimators and their covariance properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3827-3844.	4.4	82
31	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: combining correlated Gaussian posterior distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1493-1501.	4.4	35
32	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
33	Hybrid Natural Inflation. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14
34	Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015, 92, .	4.7	487
35	Addendum: Constraining hybrid natural inflation with recent CMB data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, A01-A01.	5.4	1
36	A divergence-free parametrization for dynamical dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 049-049.	5.4	13

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37	Constraining hybrid natural inflation with recent CMB data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 039-039.	5.4	9
38	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
39	Constraints on the tensor-to-scalar ratio for non-power-law models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 001-001.	5.4	10
40	Model selection applied to reconstruction of the Primordial Power Spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 006-006.	5.4	51
41	Reconstruction of the dark energy equation of state. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 020-020.	5.4	43
42	A Bayesian study of the primordial power spectrum from a novel closed universe model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1948-1956.	4.4	18
43	$\langle \delta^2 \rangle$ as dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1359-1369.	4.4	78
44	Dynamics of scalar field dark matter with a cosh-like potential. <i>Physical Review D</i> , 2009, 80, .	4.7	51
45	AN ALTERNATIVE INTERPRETATION FOR THE MODULI FIELDS OF THE COSMOLOGY ASSOCIATED TO TYPE IIB SUPERGRAVITY WITH FLUXES. <i>International Journal of Modern Physics A</i> , 2008, 23, 1949-1962.	1.5	7
46	Alternative interpretation for the moduli fields of string theories. <i>Journal of Physics: Conference Series</i> , 2007, 91, 012014.	0.4	0