

AdriÀ GÃ³mez-Valent

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,489
citations

236925

25
h-index

477307

29
g-index

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all docs

29
docs citations

29
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring the sound horizon and absolute magnitude of SNIa by maximizing the consistency between low-redshift data sets. <i>Physical Review D</i> , 2022, 105, .	4.7	12
2	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
3	Running vacuum against the H_0 and $\Omega_b h^2$ tensions. <i>Europhysics Letters</i> , 2021, 134, 19001.	2.0	52
4	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. <i>Astroparticle Physics</i> , 2021, 131, 102606.	4.3	37
5	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , 2021, 131, 102605.	4.3	228
6	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. <i>Astroparticle Physics</i> , 2021, 131, 102607.	4.3	39
7	Difficulties in reconciling non-negligible differences between the local and cosmological values of the gravitational coupling in extended Brans-Dicke theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 040.	5.4	5
8	Cosmology intertwined III: $f\sigma_8$ and S_8 and H_0 tensions. <i>Astroparticle Physics</i> , 2021, 131, 102604.	4.3	182
9	Early dark energy in the pre- and postrecombination epochs. <i>Physical Review D</i> , 2021, 104, .	4.7	25
10	Boosting Monte Carlo sampling with a non-Gaussian fit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 181-193.	4.4	2
11	Update on coupled dark energy and the H_0 tension. <i>Physical Review D</i> , 2020, 101, .	4.7	95
12	Brans-Dicke cosmology with a $\hat{\nu}$ -term: a possible solution to $\hat{\nu}$ CDM tensions*. <i>Classical and Quantum Gravity</i> , 2020, 37, 245003.	4.0	54
13	Brans-Dicke Gravity with a Cosmological Constant Smooths Out $\hat{\nu}$ CDM Tensions. <i>Astrophysical Journal Letters</i> , 2019, 886, L6.	8.3	91
14	Quantifying the evidence for the current speed-up of the Universe with low and intermediate-redshift data. A more model-independent approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 026-026.	5.4	27
15	Signs of dynamical dark energy in current observations. <i>Physics of the Dark Universe</i> , 2019, 25, 100311.	4.9	57
16	H_0 from cosmic chronometers and Type Ia supernovae, with Gaussian Processes and the novel Weighted Polynomial Regression method. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 051-051.	5.4	177
17	Dynamical dark energy vs. $\hat{\nu} = \text{const}$ in light of observations. <i>Europhysics Letters</i> , 2018, 121, 39001.	2.0	73
18	Density perturbations for running vacuum: a successful approach to structure formation and to the $\hat{\nu}_8$ -tension. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 126-145.	4.4	72

#	ARTICLE	IF	CITATIONS
19	Possible signals of vacuum dynamics in the Universe. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4357-4373.	4.4	100
20	Dynamical dark energy: Scalar fields and running vacuum. Modern Physics Letters A, 2017, 32, 1750054.	1.2	66
21	First Evidence of Running Cosmic Vacuum: Challenging the Concordance Model. Astrophysical Journal, 2017, 836, 43.	4.5	146
22	The H_0 tension in light of vacuum dynamics in the universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 317-324.	4.1	120
23	Vacuum dynamics in the Universe versus a rigid $\hat{\rho}=\text{const.}$. International Journal of Modern Physics A, 2017, 32, 1730014.	1.5	20
24	Relaxing the ρ_8 -tension through running vacuum in the Universe. Europhysics Letters, 2017, 120, 39001.	2.0	56
25	HINTS OF DYNAMICAL VACUUM ENERGY IN THE EXPANDING UNIVERSE. Astrophysical Journal Letters, 2015, 811, L14.	8.3	110
26	The $\Lambda_{\text{m CDM}}$ cosmology: From inflation to dark energy through running $\hat{\rho}$. International Journal of Modern Physics D, 2015, 24, 1541003.	2.1	81
27	Vacuum models with a linear and a quadratic term in H : structure formation and number counts analysis. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2810-2821.	4.4	64
28	Background history and cosmic perturbations for a general system of self-conserved dynamical dark energy and matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 048-048.	5.4	40
29	Dynamical vacuum energy in the expanding Universe confronted with observations: a dedicated study. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 004-004.	5.4	108