

Celia del Carmen Escamilla Rivera

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,467
citations

516710

16
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

674
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	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. <i>Astroparticle Physics</i> , 2021, 131, 102605.	4.3	228
3	Cosmology intertwined III: $\int f$ and S . <i>Astroparticle Physics</i> , 2021, 131, 102604.	4.3	182
4	Tensor instability in the Eddington-inspired Born-Infeld theory of gravity. <i>Physical Review D</i> , 2012, 85, .	4.7	77
5	Cosmological viable models in $f(T, B)$ theory as solutions to the H_0 tension. <i>Classical and Quantum Gravity</i> , 2020, 37, 165002.	4.0	63
6	A deep learning approach to cosmological dark energy models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 008-008.	5.4	57
7	Stability analysis for cosmological models in $f(T, \hat{A}B)$ gravity. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	42
8	Nonparametric reconstruction of the cosmic expansion with local regression smoothing and simulation extrapolation. <i>Physical Review D</i> , 2014, 89, .	4.7	35
9	Unveiling cosmography from the dark energy equation of state. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950154.	2.1	35
10	New parametrized equation of state for dark energy surveys. <i>Physical Review D</i> , 2018, 98, .	4.7	28
11	Status on Bidimensional Dark Energy Parameterizations Using SNe Ia JLA and BAO Datasets. <i>Galaxies</i> , 2016, 4, 8.	3.0	22
12	BAO Cosmography. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 005-005.	5.4	21
13	Performance of non-parametric reconstruction techniques in the late-time universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 016.	5.4	21
14	Generic slow-roll and non-gaussianity parameters in $f(R)$ theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 028-028.	5.4	19
15	Tension between SNe Ia and BAO: current status and future forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 003-003.	5.4	18
16	Interacting closed string tachyon with modified Chaplygin gas and its stability. <i>Physical Review D</i> , 2013, 88, .	4.7	17
17	Dynamical complexity of the teleparallel gravity cosmology. <i>Physical Review D</i> , 2021, 103, .	4.7	16
18	Scalar field as a Bose-Einstein condensate?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 034-034.	5.4	14

#	ARTICLE	IF	CITATIONS
19	DBI Galileon inflation in the light of Planck 2015. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 063-063.	5.4	14
20	Impact of H_0 priors on $f(T)$ late time cosmology. European Physical Journal Plus, 2022, 137, .	2.6	14
21	Improving data-driven model-independent reconstructions and updated constraints on dark energy models from Horndeski cosmology. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048.	5.4	13
22	Inverse Cosmography: testing the effectiveness of cosmographic polynomials using machine learning. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	5.4	13
23	Closed string tachyon: inflation and cosmological collapse. Classical and Quantum Gravity, 2013, 30, 035005.	4.0	12
24	Linear and non-linear perturbations in dark energy models. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 010-010.	5.4	12
25	The final state of gravitational collapse in Eddingtonâ€inspired Bornâ€infeld theory. Annalen Der Physik, 2017, 529, 1600415.	2.4	12
26	Constraining extra dimensions on cosmological scales with LISA future gravitational wave siren data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 005-005.	5.4	12
27	Constraining cosmological extra dimensions with gravitational wave standard sirens: From theory to current and future multimessenger observations. Physical Review D, 2022, 105, .	4.7	12
28	Nonparametric Reconstruction of the Om Diagnostic to Test Λ CDM. Galaxies, 2016, 4, 76.	3.0	11
29	Supersymmetric classical cosmology. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 011-011.	5.4	9
30	$f(T, B)$ Cosmography for High Redshifts. Universe, 2021, 7, 441.	2.5	9
31	Modified uncertainty principle from the free expansion of a Boseâ€Einstein condensate. Modern Physics Letters A, 2017, 32, 1750007.	1.2	7
32	Is a Boseâ€Einstein condensate a good candidate for dark matter? A test with galaxy rotation curves. International Journal of Modern Physics D, 2020, 29, 2050063.	2.1	7
33	Late-time and Big Bang Nucleosynthesis constraints for generic modified gravity surveys. European Physical Journal Plus, 2021, 136, 1.	2.6	7
34	Dynamical dark energy models in the light of gravitational-wave transient catalogues. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 060.	5.4	7
35	Gravitational waves in braneworlds after multi-messenger events. European Physical Journal C, 2020, 80, 1.	3.9	6
36	Neural networks and standard cosmography with newly calibrated high redshift GRB observations. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 016.	5.4	6

#	ARTICLE	IF	CITATIONS
37	Quantum signatures from Hoavaâ€“Lifshitz cosmography. Classical and Quantum Gravity, 2021, 38, 115009.	4.0	5
38	On negative mass cosmology in General Relativity. Astronomy and Astrophysics, 2021, 651, L13.	5.1	5
39	A new parameterized interacting holographic dark energy. European Physical Journal Plus, 2022, 137, 1.	2.6	5
40	Scalar field dark matter with two components: Combined approach from particle physics and cosmology. Physical Review D, 2022, 105, .	4.7	5
41	Scalar field as a Boseâ€“Einstein condensate in a Schwarzschildâ€“de Sitter spacetime. International Journal of Modern Physics D, 2017, 26, 1750032.	2.1	4
42	Observational constraints on complex quintessence with attractive self-interaction. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4008-4015.	4.4	4
43	Cosmological analysis of a Dvali-Gabadadze-Porrati stable model with $H(z)$ observations. Revista Mexicana De Fsica, 2018, 64, 584-589.	0.4	4
44	Cosmological piecewise functions to treat the local Hubble tension. European Physical Journal Plus, 2022, 137, .	2.6	3
45	What local supersymmetry can do for cosmology?. , 2010, , .		2
46	Bayesian Deep Learning for Dark Energy. , 2020, , .		1
47	Precision cosmology in modified and extended theories of gravity: An insightful test. Astronomische Nachrichten, 2021, 342, 63-68.	1.2	1
48	THE RISE OF A TENSOR INSTABILITY IN EDDINGTON-INSPIRED GRAVITY. , 2015, , .		0
49	THE CLOSED STRING TACHYON AND ITS RELATIONSHIP WITH THE EVOLUTION OF THE UNIVERSE. , 2015, , .		0
50	Stability analysis of a Boseâ€“Einstein condensate trapped in a generic potential. European Physical Journal D, 2018, 72, 1.	1.3	0
51	Dynamical cosmologies in Eddington-inspired-Bornâ€“Infeld theory. International Journal of Modern Physics D, 2019, 28, 1950167.	2.1	0
52	The Possibility of a Non-Lagrangian Theory of Gravity. Universe, 2021, 7, 230.	2.5	0