Guillermo Ballesteros

List of Publications by Year
in descending order

28	1,353	331670 21	501196 28
papers	citations	h-index	g-index

28	28	28	1359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Primordial black hole dark matter from single field inflation. Physical Review D, 2018, 97, .	4.7	209
2	Unifying Inflation with the Axion, Dark Matter, Baryogenesis, and the Seesaw Mechanism. Physical Review Letters, 2017, 118, 071802.	7.8	126
3	Standard Modelâ€”axionâ€”seesawâ€”Higgs portal inflation. Five problems of particle physics and cosmology solved in one stroke. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 001-001.	5.4	122
4	On the merger rate of primordial black holes: effects of nearest neighbours distribution and clustering. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 043-043.	5.4	77
5	Black hole formation from a general quadratic action for inflationary primordial fluctuations. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 016-016.	5.4	74
6	Dark energy with non-adiabatic sound speed: initial conditions and detectability. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 014-014.	5.4	71
7	Effects of modified gravity on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-mode polarization. Physical Review D, 2014, 90, .	4.7	64
8	Primordial black holes as dark matter and gravitational waves from single-field polynomial inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 025-025.	5.4	64
9	Parameterizing the effect of dark energy perturbations on the growth of structures. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 171-176.	4.1	58
10	How warm are non-thermal relics? Lyman-Î± bounds on out-of-equilibrium dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 101.	5.4	57
11	The H₀ tension: Î” G_N vs. Î” N_{eff}. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	5.4	50
12	X-ray and gamma-ray limits on the primordial black hole abundance from Hawking radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135624.	4.1	40
13	Stochastic inflationary dynamics beyond slow-roll and consequences for primordial black hole formation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 043-043.	5.4	35
14	Exceptional composite dark matter. European Physical Journal C, 2017, 77, 1.	3.9	32
15	Detuning primordial black hole dark matter with early matter domination and axion monodromy. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 014-014.	5.4	32
16	Effective perfect fluids in cosmology. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 001-001.	5.4	29
17	Non-linear dark energy clustering. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 014-014.	5.4	26
18	Nonlinear cosmological consistency relations and effective matter stresses. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 038-038.	5.4	23

#	Article	IF	Citations
19	Massive and modified gravity as self-gravitating media. Physical Review D, 2016, 94, .	4.7	23
20	Radiative plateau inflation. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
21	The effective theory of fluids at NLO and implications for dark energy. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 001-001.	5.4	21
22	Thermodynamics of perfect fluids from scalar field theory. Physical Review D, 2016, 94, .	4.7	20
23	The effective field theory of multi-component fluids. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007.	5.4	16
24	Large power spectrum and primordial black holes in the effective theory of inflation. Journal of High Energy Physics, 2022, 2022, 1.	4.7	15
25	Several Problems in Particle Physics and Cosmology Solved in One SMASH. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	14
26	Large tensor-to-scalar ratio and running of the scalar spectral index with instep inflation. Physical Review D, 2015, 91, .	4.7	13
27	Higgs portal valleys, stability and inflation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
28	Revisiting isocurvature bounds in models unifying the axion with the inflaton. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 036.	5.4	6