Pedro G Ferreira

List of Publications by Year
in descending order

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43 papers	7,253 citations	186265 28 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	4429 citing authors

#	Article	IF	Citations
1	Modified gravity and cosmology. Physics Reports, 2012, 513, 1-189.	25.6	2,870
2	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	4.0	943
3	Cosmology with a primordial scaling field. Physical Review D, 1998, 58, .	4.7	711
4	Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.	26.7	683
5	LATE-TIME COSMOLOGY WITH 21 cm INTENSITY MAPPING EXPERIMENTS. Astrophysical Journal, 2015, 803, 21.	4.5	264
6	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	195
7	The Subaru FMOS galaxy redshift survey (FastSound). IV. New constraint on gravity theory from redshift space distortions at z â¼ 1.4. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	171
8	Ultralight scalar fields and the growth of structure in the Universe. Physical Review D, 2010, 82, .	4.7	131
9	hi_class: Horndeski in the Cosmic Linear Anisotropy Solving System. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	5.4	121
10	Modelling baryonic feedback for survey cosmology. , 2019, 2, .		103
11	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	26.7	82
12	Scale-independent inflation and hierarchy generation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 174-178.	4.1	71
13	Quasinormal modes of black holes in Horndeski gravity. Physical Review D, 2018, 97, .	4.7	65
14	Weyl current, scale-invariant inflation, and Planck scale generation. Physical Review D, 2017, 95, .	4.7	62
15	A general theory of linear cosmological perturbations: scalar-tensor and vector-tensor theories. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 007-007.	5.4	49
16	General theories of linear gravitational perturbations to a Schwarzschild black hole. Physical Review D, 2018, 97, .	4.7	47
17	Speed of gravitational waves and black hole hair. Physical Review D, 2018, 97, .	4.7	45
18	No fifth force in a scale invariant universe. Physical Review D, 2017, 95, .	4.7	43

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19	Noise angular power spectrum of gravitational wave background experiments. Physical Review D, 2020, 101, .	4.7	36
20	A general theory of linear cosmological perturbations: stability conditions, the quasistatic limit and dynamics. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	35
21	Inertial spontaneous symmetry breaking and quantum scale invariance. Physical Review D, 2018, 98, .	4.7	35
22	Inflation in a scale-invariant universe. Physical Review D, 2018, 97, .	4.7	35
23	Growth of massive scalar hair around a Schwarzschild black hole. Physical Review D, 2019, 100, .	4.7	35
24	Polarization of a stochastic gravitational wave background through diffusion by massive structures. Physical Review D, 2019, 99, .	4.7	35
25	Dynamical friction from scalar dark matter in the relativistic regime. Physical Review D, 2021, 104, .	4.7	35
26	GRChombo: An adaptable numerical relativity code for fundamental physics. Journal of Open Source Software, 2021, 6, 3703.	4.6	34
27	The effect on cosmological parameter estimation of a parameter dependent covariance matrix. , 2019, 2, .		33
28	A fast route to modified gravitational growth. Physical Review D, 2014, 89, .	4.7	32
29	Detecting the anisotropic astrophysical gravitational wave background in the presence of shot noise through cross-correlations. Physical Review D, 2020, 102, .	4.7	31
30	Einsteinâ€™s Theory of Gravity and the Problem of Missing Mass. Science, 2009, 326, 812-815.	12.6	30
31	Scale-independent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>R</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math> inflation. Physical Review D, 2019, 100, .	4.7	27
32	Theoretical priors in scalar-tensor cosmologies: Shift-symmetric Horndeski models. Physical Review D, 2021, 104, .	4.7	23
33	Growth of accretion driven scalar hair around Kerr black holes. Physical Review D, 2021, 103, .	4.7	21
34	Forecasts for low spin black hole spectroscopy in Horndeski gravity. Physical Review D, 2019, 99, .	4.7	19
35	Anomalous decay rate of quasinormal modes. Physical Review D, 2020, 101, .	4.7	19
36	Model-independent constraints on Î©m and H(z) from the link between geometry and growth. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1967-1984.	4.4	16

#	Article	IF	Citations
37	The phenomenology of beyond Horndeski gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 035-035.	5.4	14
38	Quasinormal modes of growing dirty black holes. Physical Review D, 2021, 103, .	4.7	12
39	Testing gravity on cosmic scales: A case study of Jordan-Brans-Dicke theory. Physical Review D, 2022, 105, .	4.7	11
40	On the phenomenology of extended Brans-Dicke gravity. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 010-010.	5.4	8
41	Theoretical priors in scalar-tensor cosmologies: Thawing quintessence. Physical Review D, 2020, 101, .	4.7	7
42	Scale invariant gravity and black hole ringdown. Physical Review D, 2020, 101, .	4.7	6
43	Emergent dark energy from dark matter. Physical Review D, 2018, 97, .	4.7	5