Antonio Padilla

List of Publications by Year
in descending order

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69 papers	5,896 citations	159585 30 h-index	91884 69 g-index
69 all docs	69 docs citations	69 times ranked	5390 citing authors

#	Article	IF	Citations
1	Modified gravity and cosmology. Physics Reports, 2012, 513, 1-189.	25.6	2,870
2	General Second-Order Scalar-Tensor Theory and Self-Tuning. Physical Review Letters, 2012, 108, 051101.	7.8	364
3	Strong coupling in HoÅ™ava gravity. Journal of High Energy Physics, 2009, 2009, 070-070.	4.7	279
4	DGP specteroscopy. Journal of High Energy Physics, 2006, 2006, 066-066.	4.7	158
5	Self-tuning and the derivation of a class of scalar-tensor theories. Physical Review D, 2012, 85, .	4.7	133
6	Sequestering the Standard Model Vacuum Energy. Physical Review Letters, 2014, 112, 091304.	7.8	126
7	Bi-galileon theory I: motivation and formulation. Journal of High Energy Physics, 2010, 2010, 1.	4.7	120
8	Lessons from the decoupling limit of HoÅ™ava gravity. Journal of High Energy Physics, 2010, 2010, 1.	4.7	79
9	A new perspective on DGP gravity. Journal of High Energy Physics, 2007, 2007, 069-069.	4.7	78
10	A note on classical and quantum unimodular gravity. European Physical Journal C, 2015, 75, 1.	3.9	78
11	Manifestly Local Theory of Vacuum Energy Sequestering. Physical Review Letters, 2016, 116, 051302.	7.8	73
12	Dark Energy after GW170817 Revisited. Physical Review Letters, 2019, 122, 061301.	7.8	73
13	Bi-galileon theory II: phenomenology. Journal of High Energy Physics, 2011, 2011, 1.	4.7	72
14	Covariant multi-galileons and their generalisation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
15	Vacuum energy sequestering: The framework and its cosmological consequences. Physical Review D, 2014, 90, .	4.7	68
16	Braneworld holography in Gaussâ€“Bonnet gravity. Classical and Quantum Gravity, 2003, 20, 4221-4238.	4.0	64
17	Surface terms and the Gaussâ€“Bonnet Hamiltonian. Classical and Quantum Gravity, 2003, 20, 3129-3149.	4.0	59
18	How (not) to use the Palatini formulation of scalar-tensor gravity. Physical Review D, 2007, 76, .	4.7	59

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19	Cosmic acceleration from asymmetric branes. Classical and Quantum Gravity, 2005, 22, 681-694.	4.0	56
20	The cosmology of the Fab-Four. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 026-026.	5.4	52
21	Multi-Galileons, solitons, and Derrickâ€™s theorem. Physical Review D, 2011, 83, .	4.7	51
22	Galileon hairs of Dyson spheres, Vainshteinâ€™s coiffure and hirsute bubbles. Journal of High Energy Physics, 2011, 2011, 1.	4.7	50
23	Nested braneworlds and strong brane gravity. Physical Review D, 2002, 65, .	4.7	45
24	Braneworld instantons. Classical and Quantum Gravity, 2002, 19, 279-302.	4.0	45
25	The instability of vacua in Gauss-Bonnet gravity. Journal of High Energy Physics, 2008, 2008, 038-038.	4.7	43
26	The good, the bad and the ugly â€¦ of HoÅ™ava gravity. Journal of Physics: Conference Series, 2010, 259, 012033.	0.4	43
27	Sequestration of Vacuum Energy and the End of the Universe. Physical Review Letters, 2015, 114, 101302.	7.8	42
28	Infra-red modification of gravity from asymmetric branes. Classical and Quantum Gravity, 2005, 22, 1087-1104.	4.0	41
29	Exact braneworld cosmology induced from bulk black holes. Classical and Quantum Gravity, 2002, 19, 4071-4083.	4.0	40
30	Ghost-free braneworld bigravity. Classical and Quantum Gravity, 2004, 21, 2899-2917.	4.0	34
31	Generalized scale invariant theories. Physical Review D, 2014, 89, .	4.7	31
32	Vacuum Energy Sequestering and Graviton Loops. Physical Review Letters, 2017, 118, 061303.	7.8	31
33	Boundary terms and junction conditions for generalized scalar-tensor theories. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
34	Stealth acceleration and modified gravity. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 006-006.	5.4	29
35	Strong Coupling and Bounds on the Spin-2 Mass in Massive Gravity. Physical Review Letters, 2013, 111, 021802.	7.8	28
36	Probing scalar effective field theories with the soft limits of scattering amplitudes. Journal of High Energy Physics, 2017, 2017, 1.	4.7	28

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37	CFTs on non-critical braneworlds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 528, 274-282.	4.1	24
38	Unitarity and the Vainshtein mechanism. Physical Review D, 2015, 91, .	4.7	23
39	Matter in HoÅ™ava-Lifshitz gravity. Journal of High Energy Physics, 2013, 2013, 1.	4.7	22
40	Sequestering effects on and of vacuum decay. Physical Review D, 2016, 94, .	4.7	19
41	Gravitational Mechanisms to Self-Tune the Cosmological Constant: Obstructions and Ways Forward. Physical Review Letters, 2017, 119, 251306.	7.8	18
42	Levitating dark matter. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 023-023.	5.4	17
43	An Ã©tude on global vacuum energy sequester. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
44	Quintessence and the Swampland: The Parametrically Controlled Regime of Moduli Space. Fortschritte Der Physik, 2022, 70, .	4.4	16
45	Ghosts in asymmetric brane gravity and the decoupled stealth limit. Journal of High Energy Physics, 2009, 2009, 134-134.	4.7	15
46	No resonant tunneling in standard scalar quantum field theory. Journal of High Energy Physics, 2008, 2008, 066-066.	4.7	13
47	How to avoid a swift kick in the chameleons. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 058-058.	5.4	13
48	A short review of â€˜DGP spectroscopyâ€™. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6827-6833.	2.1	12
49	Braneworld isotropization and magnetic fields. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 012.	5.4	12
50	Quintessence and the Swampland: The Numerically Controlled Regime of Moduli Space. Fortschritte Der Physik, 2022, 70, .	4.4	11
51	Transmission of an inhomogeneous state via resonant tunnelling. Journal of High Energy Physics, 2008, 2008, 055-055.	4.7	10
52	Classical duals, Legendre transforms and the Vainshtein mechanism. Journal of High Energy Physics, 2012, 2012, 1.	4.7	10
53	Monodromy inflation and an emergent mechanism for stabilising the cosmological constant. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
54	A stringy perspective on the coincidence problem. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9

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55	Cosmological effects of coupled dark matter. Physical Review D, 2013, 88, .	4.7	8
56	Unimodular vs nilpotent superfield approach to pure dS supergravity. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
57	A covariant approach to braneworld holography. Classical and Quantum Gravity, 2006, 23, 3983-3992.	4.0	7
58	Quantum corrections to vacuum energy sequestering (with monodromy). Classical and Quantum Gravity, 2019, 36, 215014.	4.0	7
59	Cosmological consequences of Omnia Sequestra. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 017-017.	5.4	7
60	Dark energy loopholes some time after GW170817. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 063-063.	5.4	7
61	Cleaning up the cosmological constant. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
62	The dark energy cosmic clock: a new way to parametrise the equation of state. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 013-013.	5.4	6
63	Vainshtein in the UV and a Wilsonian analysis of derivatively coupled scalars. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 039-039.	5.4	6
64	The Super-StÃ¼ckelberg procedure and dS in pure supergravity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200035.	2.1	5
65	Generalised scalar-tensor theories and self-tuning. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 004.	5.4	5
66	Non-perturbative aspects of galileon duality. European Physical Journal C, 2018, 78, 1.	3.9	4
67	Natural theory of dark energy. Physical Review D, 2020, 101, .	4.7	4
68	Deconstructing higher order clockwork gravity. Physical Review D, 2021, 103, .	4.7	2
69	Quadratic curvature corrections to stringy effective actions and the absence of de Sitter vacua. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1