

Massimiliano Rinaldi

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,211
citations

218677

26
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

3661
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.	26.7	683
2	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	26.7	602
3	Beyond Λ CDM: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.	4.9	361
4	Black holes with nonminimal derivative coupling. Physical Review D, 2012, 86, .	4.7	195
5	Slowly rotating neutron stars in the nonminimal derivative coupling sector of Horndeski gravity. Physical Review D, 2016, 93, .	4.7	113
6	Neutron stars in general second order scalar-tensor theory: The case of nonminimal derivative coupling. Physical Review D, 2015, 92, .	4.7	101
7	Mimicking dark matter and dark energy in a mimetic model compatible with GW170817. Physics of the Dark Universe, 2018, 22, 108-115.	4.9	77
8	Alive and well: mimetic gravity and a higher-order extension in light of GW170817. Classical and Quantum Gravity, 2019, 36, 017001.	4.0	72
9	Bubbles in anti-de Sitter space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 316-320.	4.1	49
10	Reconstructing the inflationary $f(R)$ from observations. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 015-015.	5.4	49
11	Inflation and reheating in theories with spontaneous scale invariance symmetry breaking. Physical Review D, 2016, 94, .	4.7	47
12	Fab Four: When John and George Play Gravitation and Cosmology. Advances in Astronomy, 2012, 2012, 1-14.	1.1	42
13	Inflation in scale-invariant theories of gravity. Physical Review D, 2015, 91, .	4.7	42
14	A minimal length versus the Unruh effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 303-306.	4.1	39
15	Static and rotating solutions for vector-Galileon theories. Physical Review D, 2016, 94, .	4.7	38
16	Adiabatic renormalization of inflationary perturbations. Physical Review D, 2009, 80, .	4.7	36
17	Inflationary quasiscale-invariant attractors. Physical Review D, 2016, 93, .	4.7	36
18	On infrared and ultraviolet divergences of cosmological perturbations. Physical Review D, 2011, 83, .	4.7	35

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19	A special class of solutions in F(R)-gravity. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	34
20	Axionic black branes in the k -essence sector of the Horndeski model. <i>Physical Review D</i> , 2017, 96, .	4.7	33
21	Inflation and reheating in scale-invariant scalar-tensor gravity. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	2.0	32
22	A new approach to non-commutative inflation. <i>Classical and Quantum Gravity</i> , 2011, 28, 105022.	4.0	29
23	Thermodynamics of topological black holes in R^2 gravity. <i>Physical Review D</i> , 2015, 91, .	4.7	29
24	Mimicking dark matter in Horndeski gravity. <i>Physics of the Dark Universe</i> , 2017, 16, 14-21.	4.9	27
25	Regularized Lovelock gravity. <i>Physics of the Dark Universe</i> , 2021, 31, 100770.	4.9	27
26	Axionic black branes with conformal coupling. <i>Physical Review D</i> , 2018, 97, .	4.7	26
27	Higgs dark energy. <i>Classical and Quantum Gravity</i> , 2015, 32, 045002.	4.0	25
28	Dark energy as a fixed point of the Einstein Yang-Mills Higgs equations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 023-023.	5.4	24
29	Steplike discontinuities in Bose-Einstein condensates and Hawking radiation: Dispersion effects. <i>Physical Review D</i> , 2011, 83, .	4.7	23
30	Entropy of an acoustic black hole in Bose-Einstein condensates. <i>Physical Review D</i> , 2011, 84, .	4.7	23
31	BRANE WORLD IN A TOPOLOGICAL BLACK HOLE BULK. <i>Modern Physics Letters A</i> , 2001, 16, 1887-1894.	1.2	18
32	Particlelike Distributions of the Higgs Field Nonminimally Coupled to Gravity. <i>Physical Review Letters</i> , 2013, 111, 121103.	7.8	17
33	Scale-Invariant Rotating Black Holes in Quadratic Gravity. <i>Entropy</i> , 2015, 17, 5145-5156.	2.2	17
34	Scale-invariant inflation with one-loop quantum corrections. <i>Physical Review D</i> , 2019, 99, .	4.7	16
35	Superluminal dispersion relations and the Unruh effect. <i>Physical Review D</i> , 2008, 77, .	4.7	15
36	Momentum-space representation of Green's functions with modified dispersion relations on general backgrounds. <i>Physical Review D</i> , 2008, 78, .	4.7	15

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37	PARTICLE PRODUCTION AND TRANSPANCKIAN PROBLEM ON THE NONCOMMUTATIVE PLANE. <i>Modern Physics Letters A</i> , 2010, 25, 2805-2813.	1.2	14
38	Particlelike solutions in modified gravity: The Higgs monopole. <i>Physical Review D</i> , 2014, 90, .	4.7	14
39	Observational signatures of pre-inflationary and lower dimensional effective gravity. <i>Classical and Quantum Gravity</i> , 2012, 29, 085010.	4.0	13
40	THE ENTROPY OF AN ACOUSTIC BLACK HOLE IN BOSE-EINSTEIN CONDENSATES: TRANSVERSE MODES AS A CURE FOR DIVERGENCES. <i>International Journal of Modern Physics D</i> , 2013, 22, 1350016.	2.1	13
41	Superentropic black hole with Immirzi hair. <i>Physical Review D</i> , 2021, 103, .	4.7	13
42	On the equivalence of Jordan and Einstein frames in scale-invariant gravity. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	12
43	Momentum-space representation of Green's functions with modified dispersion on ultrastatic space-time. <i>Physical Review D</i> , 2007, 76, .	4.7	10
44	The dark aftermath of Higgs inflation. <i>European Physical Journal Plus</i> , 2014, 129, 1.	2.6	10
45	Graviton production in noninflationary cosmology. <i>Physical Review D</i> , 2009, 79, .	4.7	9
46	Non-singular black holes and mass inflation in modified gravity. <i>Physics of the Dark Universe</i> , 2021, 33, 100853.	4.9	8
47	A note on the linear stability of black holes in quadratic gravity. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	7
48	Brane-worlds in T-dual bulks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 582, 249-256.	4.1	6
49	Explosive particle production in non-commutative inflation. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	6
50	Comment on "Origin of Cosmic Magnetic Fields". <i>Physical Review Letters</i> , 2013, 111, 229001.	7.8	6
51	Testing Horndeski gravity as dark matter with h_i class. <i>Physics of the Dark Universe</i> , 2019, 23, 100243.	4.9	6
52	Toroidal black holes and T-duality. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 547, 95-99.	4.1	5
53	ASPECTS OF QUANTUM GRAVITY IN COSMOLOGY. <i>Modern Physics Letters A</i> , 2012, 27, 1230008.	1.2	5
54	Self-T-dual brane cosmology and the cosmological constant problem. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 020-020.	5.4	4

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55	Pre-Big Bang scenario on self-T-dual bouncing branes. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 006-006.	5.4	2
56	Vacuum decay and quadratic gravity: the massive case. General Relativity and Gravitation, 2022, 54, 1.	2.0	1
57	Modified Dispersion Relations and trans-Planckian Physics. , 2009, , .		0
58	SELF-T-DUAL BRANE COSMOLOGY. , 2008, , .		0
59	Quasi scale-invariant inflationary attractors. , 2017, , .		0
60	Vacuum decay in quadratic gravity. European Physical Journal Plus, 2022, 137, 1.	2.6	0