

# Constantinos Skordis

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

7,268  
citations

117453

34  
h-index

168136

53  
g-index

57  
all docs

57  
docs citations

57  
times ranked

4219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified gravity and cosmology. <i>Physics Reports</i> , 2012, 513, 1-189.	10.3	2,870
2	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , 2013, 16, 6.	8.2	683
3	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018, 21, 2.	8.2	602
4	Phenomenology of a Realistic Accelerating Universe Using Only Planck-Scale Physics. <i>Physical Review Letters</i> , 2000, 84, 2076-2079.	2.9	294
5	Large Scale Structure in Bekenstein's Theory of Relativistic Modified Newtonian Dynamics. <i>Physical Review Letters</i> , 2006, 96, 011301.	2.9	221
6	Fast and reliable Markov chain Monte Carlo technique for cosmological parameter estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 925-936.	1.6	195
7	The parameterized post-Friedmann framework for theories of modified gravity: Concepts, formalism, and examples. <i>Physical Review D</i> , 2013, 87, .	1.6	140
8	Probing the Reionization History of the Universe using the Cosmic Microwave Background Polarization. <i>Astrophysical Journal</i> , 2003, 583, 24-32.	1.6	132
9	The tensor-vector-scalar theory and its cosmology. <i>Classical and Quantum Gravity</i> , 2009, 26, 143001.	1.5	122
10	LINKING TESTS OF GRAVITY ON ALL SCALES: FROM THE STRONG-FIELD REGIME TO COSMOLOGY. <i>Astrophysical Journal</i> , 2015, 802, 63.	1.6	114
11	Models of dark matter coupled to dark energy. <i>Physical Review D</i> , 2013, 88, .	1.6	109
12	The Age of the Universe and the Cosmological Constant Determined from Cosmic Microwave Background Anisotropy Measurements. <i>Astrophysical Journal</i> , 2001, 563, L95-L98.	1.6	102
13	Generalizing tensor-vector-scalar cosmology. <i>Physical Review D</i> , 2008, 77, .	1.6	102
14	New Relativistic Theory for Modified Newtonian Dynamics. <i>Physical Review Letters</i> , 2021, 127, 161302.	2.9	99
15	Cosmological Constraints on Brans-Dicke Theory. <i>Physical Review Letters</i> , 2014, 113, 011101.	2.9	90
16	Towards a fully consistent parametrization of modified gravity. <i>Physical Review D</i> , 2011, 84, .	1.6	82
17	Pseudoscalar Perturbations and Polarization of the Cosmic Microwave Background. <i>Physical Review Letters</i> , 2009, 103, 051302.	2.9	78
18	Parametrized post-Friedmannian framework for interacting dark energy theories. <i>Physical Review D</i> , 2015, 91, .	1.6	75

#	ARTICLE	IF	CITATIONS
19	Dark Energy after GW170817 Revisited. <i>Physical Review Letters</i> , 2019, 122, 061301.	2.9	73
20	Eddington-Born-Infeld gravity and the large scale structure of the Universe. <i>Physical Review D</i> , 2009, 79, .	1.6	67
21	Natural quintessence and large extra dimensions. <i>Physical Review D</i> , 2002, 65, .	1.6	66
22	Tensor-vector-scalar cosmology: Covariant formalism for the background evolution and linear perturbation theory. <i>Physical Review D</i> , 2006, 74, .	1.6	63
23	Constraints on isocurvature models from the WMAP first-year data. <i>Physical Review D</i> , 2004, 70, .	1.6	58
24	Consistent cosmological modifications to the Einstein equations. <i>Physical Review D</i> , 2009, 79, .	1.6	50
25	Initial Conditions of the Universe: How Much Isocurvature is Allowed?. <i>Physical Review Letters</i> , 2004, 93, 081301.	2.9	49
26	Cosmological behavior of Bekenstein's modified theory of gravity. <i>Physical Review D</i> , 2007, 75, .	1.6	49
27	Linear growth rate of structure in parametrized post-Friedmannian universes. <i>Physical Review D</i> , 2010, 81, .	1.6	47
28	Rapid Calculation of Theoretical Cosmic Microwave Background Angular Power Spectra. <i>Astrophysical Journal</i> , 2002, 578, 665-674.	1.6	44
29	Ambiguous tests of general relativity on cosmological scales. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 032-032.	1.9	44
30	Comparison of Einstein-Boltzmann solvers for testing general relativity. <i>Physical Review D</i> , 2018, 97, .	1.6	44
31	Planck-scale quintessence and the physics of structure formation. <i>Physical Review D</i> , 2002, 66, .	1.6	43
32	Gravitational alternatives to dark matter with tensor mode speed equaling the speed of light. <i>Physical Review D</i> , 2019, 100, .	1.6	42
33	Note on bigravity and dark matter. <i>Physical Review D</i> , 2009, 79, .	1.6	41
34	CONSTRAINING THE PROPERTIES OF DARK MATTER WITH OBSERVATIONS OF THE COSMIC MICROWAVE BACKGROUND. <i>Astrophysical Journal</i> , 2016, 830, 155.	1.6	37
35	Solving the Vlasov equation in two spatial dimensions with the Schrödinger method. <i>Physical Review D</i> , 2017, 96, .	1.6	35
36	Dark Matter Equation of State through Cosmic History. <i>Physical Review Letters</i> , 2018, 120, 221102.	2.9	34

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37	The maximum sizes of large scale structures in alternative theories of gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 018-018.	1.9	33
38	A fast route to modified gravitational growth. <i>Physical Review D</i> , 2014, 89, .	1.6	32
39	Exponentially large extra dimensions. <i>Physical Review D</i> , 2002, 65, .	1.6	27
40	The Parametrized Post-Newtonian-Vainshteinian formalism. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 044-044.	1.9	26
41	Extensive investigation of the generalized dark matter model. <i>Physical Review D</i> , 2016, 94, .	1.6	25
42	Measuring the Geometry of the Universe in the Presence of Isocurvature Modes. <i>Physical Review Letters</i> , 2005, 95, 261303.	2.9	22
43	Geometry of modified Newtonian dynamics. <i>Physical Review D</i> , 2012, 85, .	1.6	18
44	The parameterized post-Newtonian limit of bimetric theories of gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 235020.	1.5	16
45	Dark matter, modified gravity, and the mass of the neutrino. <i>Physical Review D</i> , 2008, 78, .	1.6	14
46	Dark matter properties through cosmic history. <i>Physical Review D</i> , 2021, 104, .	1.6	14
47	Unitariness at the late time boundary of de Sitter. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	12
48	Cosmology of the Galileon extension of Bekenstein's theory of relativistic modified Newtonian dynamics. <i>Physical Review D</i> , 2017, 95, .	1.6	9
49	The dark energy cosmic clock: a new way to parametrise the equation of state. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 013-013.	1.9	6
50	Testing general relativity with cosmology: a synopsis of the parametrized post-Friedmann approach. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	0.7	6
51	Parametrized post-Newtonian-Vainshteinian formalism for the Galileon field. <i>Physical Review D</i> , 2019, 99, .	1.6	6
52	Eddington-Born-Infeld theory and the dark sector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 194, 338-343.	0.5	5
53	Modifications of gravity. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 194, 332-337.	0.5	1
54	Searching for Isocurvature Perturbations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 148, 7-15.	0.5	0

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55	Modifications of gravity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4962-4975.	1.6	0
56	GETTING AROUND COSMIC VARIANCE OF THE CMB TEMPERATURE QUADRUPOLE. , 2005, , .		0
57	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. International Journal of Modern Physics D, 0, , .	0.9	0