

Ignacy L Sawicki

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

6,750
citations

159585

30
h-index

315739

38
g-index

38
all docs

38
docs citations

38
times ranked

3660
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of $f(R)$ gravity. Physical Review D, 2007, 75, .	4.7	194
2	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	26.7	602
3	Strong Constraints on Cosmological Gravity from GW170817 and GRB 170817A. Physical Review Letters, 2017, 119, 251301.	7.8	594
4	Imperfect dark energy from kinetic gravity braiding. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 026-026.	5.4	545
5	Large scale structure off(R)gravity. Physical Review D, 2007, 75, .	4.7	422
6	Beyond Λ CDM: Problems, solutions, and the road ahead. Physics of the Dark Universe, 2016, 12, 56-99.	4.9	361
7	Parametrized post-Friedmann framework for modified gravity. Physical Review D, 2007, 76, .	4.7	327
8	Maximal freedom at minimum cost: linear large-scale structure in general modifications of gravity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 050-050.	5.4	286
9	G-bounce. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 021-021.	5.4	226
10	Stability of cosmological solutions in $f(R)$ models of gravity. Physical Review D, 2007, 75, .	4.7	194
11	Dust of dark energy. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 012-012.	5.4	176
12	Anisotropic Stress as a Signature of Nonstandard Propagation of Gravitational Waves. Physical Review Letters, 2014, 113, 191101.	7.8	150
13	The imperfect fluid behind kinetic gravity braiding. Journal of High Energy Physics, 2011, 2011, 1.	4.7	140
14	Modified-source gravity and cosmological structure formation. New Journal of Physics, 2006, 8, 323-323.	2.9	135
15	Cosmic Variance and the Measurement of the Local Hubble Parameter. Physical Review Letters, 2013, 110, 241305.	7.8	128
16	hi_class: Horndeski in the Cosmic Linear Anisotropy Solving System. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	5.4	121
17	Observables and unobservables in dark energy cosmologies. Physical Review D, 2013, 87, .	4.7	116
18	Large-scale tests of the Dvali-Gabadadze-Porrati model. Physical Review D, 2007, 75, .	4.7	112

#	ARTICLE	IF	CITATIONS
19	Limits of quasistatic approximation in modified-gravity cosmologies. <i>Physical Review D</i> , 2015, 92, .	4.7	109
20	Fate of Large-Scale Structure in Modified Gravity After GW170817 and GRB170817A. <i>Physical Review Letters</i> , 2018, 120, 131101.	7.8	91
21	When matter matters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 014-014.	5.4	61
22	Direct detection of gravitational waves can measure the time variation of the Planck mass. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 030-030.	5.4	58
23	Hidden negative energies in strongly accelerated universes. <i>Physical Review D</i> , 2013, 87, .	4.7	53
24	White dwarfs and revelations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 028-028.	5.4	53
25	Consistent perturbations in an imperfect fluid. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 004-004.	5.4	50
26	Probing dark energy through scale dependence. <i>Physical Review D</i> , 2013, 88, .	4.7	43
27	Constraints on dark-matter properties from large-scale structure. <i>Physical Review D</i> , 2016, 94, .	4.7	41
28	Near-horizon solution for Dvali-Gabadadze-Porrati perturbations. <i>Physical Review D</i> , 2007, 75, .	4.7	37
29	Λ background evolution, initial conditions and approximation schemes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 008-008.	5.4	34
30	Using dark energy to suppress power at small scales. <i>Physical Review D</i> , 2015, 92, .	4.7	33
31	Nonstandard gravitational waves imply gravitational slip: On the difficulty of partially hiding new gravitational degrees of freedom. <i>Physical Review D</i> , 2017, 95, .	4.7	24
32	Dark Matter via many copies of the Standard Model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 009-009.	5.4	22
33	Constraint propagation equations of the 3+1 decomposition of $f(R)$ gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 085006.	4.0	13
34	Seeding supermassive black holes with a nonvortical dark-matter subcomponent. <i>Physical Review D</i> , 2013, 88, .	4.7	13
35	Redshift-space distortions from vector perturbations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 028-028.	5.4	11
36	Redshift-space distortions from vector perturbations. II. Anisotropic signal. <i>Physical Review D</i> , 2018, 98, .	4.7	6

#	ARTICLE	IF	CITATIONS
37	Fully relativistic predictions in Horndeski gravity from standard Newtonian N-body simulations. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 024.	5.4	4
38	Microwave background anisotropies arising from non-linear structures in open and $\hat{\Omega}_k$ universes. Monthly Notices of the Royal Astronomical Society, 2000, 318, 393-401.	4.4	2