

Rafael Ferraro

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,124
citations

361413

20
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark torsion as the cosmic speed-up. Physical Review D, 2009, 79, .	4.7	828
2	Modified teleparallel gravity: Inflation without an inflaton. Physical Review D, 2007, 75, .	4.7	809
3	Born-Infeld gravity in Weitzenböck spacetime. Physical Review D, 2008, 78, .	4.7	373
4	Non-trivial frames for $f(T)$ theories of gravity and beyond. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 75-80.	4.1	181
5	Spherically symmetric static spacetimes in vacuum $f(T)$ gravity. Physical Review D, 2011, 83, 044017.	4.7	167
6	Exact solutions of Lovelock-Born-Infeld black holes. Physical Review D, 2004, 70, .	4.7	112
7	Hamiltonian formalism for $f(T)$ gravity. Physical Review D, 2007, 75, 044017.	4.7	70
8	Remnant group of local Lorentz transformations in $f(T)$ gravity. Physical Review D, 2007, 75, 044017.	4.7	62
9	COSMOLOGICAL FRAMES FOR THEORIES WITH ABSOLUTE PARALLELISM. International Journal of Modern Physics Conference Series, 2011, 03, 227-237.	0.7	48
10	Quest for the extra degree of freedom in $f(T)$ gravity. Physical Review D, 2018, 98, .	4.7	48
11	A TYPE OF BORN-INFELD REGULAR GRAVITY AND ITS COSMOLOGICAL CONSEQUENCES. International Journal of Modern Physics A, 2009, 24, 1686-1689.	1.5	43
12	Kerr geometry in $f(T)$ gravity. European Physical Journal C, 2015, 75, 1.	3.9	41
13	Hamiltonian formulation of teleparallel gravity. Physical Review D, 2016, 94, .	4.7	35
14	Reflections on the Covariance of Modified Teleparallel Theories of Gravity. Universe, 2019, 5, 158.	2.5	34
15	$f(R)$ and $f(T)$ theories of modified gravity. AIP Conference Proceedings, 2012, , .	0.4	33
16	Born-Infeld determinantal gravity and the taming of the conical singularity in 3-dimensional spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 206-211.	4.1	32
17	McVittie solution in $f(T)$ gravity. European Physical Journal C, 2017, 77, 1.	3.9	31
18	Pseudoinvariance and the extra degree of freedom in $f(T)$ gravity. Physical Review D, 2017, 95, 044017.	4.7	24

#	ARTICLE	IF	CITATIONS
19	Testing Born-Infeld Electrodynamics in Waveguides. <i>Physical Review Letters</i> , 2007, 99, 230401.	7.8	22
20	Untangling the Newman–Janis algorithm. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	21
21	Anisotropic effects of background fields on Born–Infeld electromagnetic waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 361, 9-12.	2.1	18
22	Lorentz gauge-invariant variables in torsion-based theories of gravity. <i>Physical Review D</i> , 2022, 105, .	4.7	16
23	Extrinsic time in quantum cosmology. <i>Physical Review D</i> , 1995, 52, 1963-1969.	4.7	13
24	Born-Infeld electrostatics in the complex plane. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	10
25	The regular cosmic string in Born-Infeld gravity. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012114.	0.4	10
26	Degrees of freedom and Hamiltonian formalism for $f(T)$ gravity. <i>International Journal of Modern Physics A</i> , 2020, 35, 2040022.	1.5	8
27	Testing nonlinear electrodynamics in waveguides: the effect of magnetostatic fields on the transmitted power. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 195202.	2.1	7
28	2D Born–Infeld electrostatic fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 325, 134-138.	2.1	6
29	Two-dimensional solutions for Born-Infeld fields. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	5
30	Relational mechanics as a gauge theory. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	2.0	5
31	BRST operator quantization of generally covariant gauge systems. <i>Physical Review D</i> , 1997, 55, 4785-4790.	4.7	3
32	Approximated solutions to Born-Infeld dynamics. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	3
33	Quantization of generally covariant systems with extrinsic time. <i>Physical Review D</i> , 1999, 59, .	4.7	2
34	Determinantal Born-Infeld coupling of gravity and electromagnetism. <i>Physical Review D</i> , 2022, 105, .	4.7	2
35	Operator ordering for generally covariant systems. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 88, 322-325.	0.4	1
36	Born-Infeld corrections to Coulombian interactions. <i>Physical Review E</i> , 2008, 77, 046601.	2.1	1

#	ARTICLE	IF	CITATIONS
37	Quantization of a generally covariant gauge system with two super Hamiltonian constraints. Physical Review D, 2001, 64, .	4.7	0
38	The Frame of Fixed Stars in Relational Mechanics. Foundations of Physics, 2017, 47, 71-88.	1.3	0