

# Rafael Ferraro

## List of Publications by Year in descending order

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38  
papers

3,124  
citations

361413

20  
h-index

345221

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g-index

38  
all docs

38  
docs citations

38  
times ranked

898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lorentz gauge-invariant variables in torsion-based theories of gravity. Physical Review D, 2022, 105, .	4.7	16
2	Determinantal Born-Infeld coupling of gravity and electromagnetism. Physical Review D, 2022, 105, .	4.7	2
3	Degrees of freedom and Hamiltonian formalism for $f(T)$ gravity. International Journal of Modern Physics A, 2020, 35, 2040022.	1.5	8
4	Pseudoinvariance and the extra degree of freedom in $f(T)$ gravity. Physical Review D, 2018, 98, .	4.7	24
5	Reflections on the Covariance of Modified Teleparallel Theories of Gravity. Universe, 2019, 5, 158.	2.5	34
6	Quest for the extra degree of freedom in $f(T)$ gravity. Physical Review D, 2018, 98, .	4.7	48
7	Hamiltonian formalism for $f(T)$ gravity. Physical Review D, 2018, 98, .	4.7	70
8	The Frame of Fixed Stars in Relational Mechanics. Foundations of Physics, 2017, 47, 71-88.	1.3	0
9	McVittie solution in $f(T)$ gravity. European Physical Journal C, 2017, 77, 1.	3.9	31
10	Hamiltonian formulation of teleparallel gravity. Physical Review D, 2016, 94, .	4.7	35
11	Approximated solutions to Born-Infeld dynamics. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
12	Relational mechanics as a gauge theory. General Relativity and Gravitation, 2016, 48, 1.	2.0	5
13	Kerr geometry in $f(T)$ gravity. European Physical Journal C, 2015, 75, 1.	3.9	41
14	Remnant group of local Lorentz transformations in $f(T)$ gravity. Physical Review D, 2015, 91, .	4.7	62
15	Untangling the Newman-Janis algorithm. General Relativity and Gravitation, 2014, 46, 1.	2.0	21
16	Two-dimensional solutions for Born-Infeld fields. Journal of High Energy Physics, 2013, 2013, 1.	4.7	5
17	$f(R)$ and $f(T)$ theories of modified gravity. AIP Conference Proceedings, 2012, , .	0.4	33
18	Spherically symmetric static spacetimes in vacuum $f(T)$ gravity. Physical Review D, 2012, 85, .	4.7	167

#	ARTICLE	IF	CITATIONS
19	COSMOLOGICAL FRAMES FOR THEORIES WITH ABSOLUTE PARALLELISM. International Journal of Modern Physics Conference Series, 2011, 03, 227-237.	0.7	48
20	The regular cosmic string in Born-Infeld gravity. Journal of Physics: Conference Series, 2011, 314, 012114.	0.4	10
21	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
22	Born-Infeld electrostatics in the complex plane. Journal of High Energy Physics, 2010, 2010, 1.	4.7	10
23	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
24	Testing nonlinear electrodynamics in waveguides: the effect of magnetostatic fields on the transmitted power. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 195202.	2.1	7
25	A TYPE OF BORN-INFELD REGULAR GRAVITY AND ITS COSMOLOGICAL CONSEQUENCES. International Journal of Modern Physics A, 2009, 24, 1686-1689.	1.5	43
26	Dark torsion as the cosmic speed-up. Physical Review D, 2009, 79, .	4.7	828
27	Born-Infeld gravity in Weitzenböck spacetime. Physical Review D, 2008, 78, .	4.7	373
28	Born-Infeld corrections to Coulombian interactions. Physical Review E, 2008, 77, 046601.	2.1	1
29	Testing Born-Infeld Electrodynamics in Waveguides. Physical Review Letters, 2007, 99, 230401.	7.8	22
30	Modified teleparallel gravity: Inflation without an inflaton. Physical Review D, 2007, 75, .	4.7	809
31	Anisotropic effects of background fields on Born-Infeld electromagnetic waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 361, 9-12.	2.1	18
32	Exact solutions of Lovelock-Born-Infeld black holes. Physical Review D, 2004, 70, .	4.7	112
33	2D Born-Infeld electrostatic fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 134-138.	2.1	6
34	Quantization of a generally covariant gauge system with two super Hamiltonian constraints. Physical Review D, 2001, 64, .	4.7	0
35	Operator ordering for generally covariant systems. Nuclear Physics, Section B, Proceedings Supplements, 2000, 88, 322-325.	0.4	1
36	Quantization of generally covariant systems with extrinsic time. Physical Review D, 1999, 59, .	4.7	2

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37	BRST operator quantization of generally covariant gauge systems. Physical Review D, 1997, 55, 4785-4790.	4.7	3
38	Extrinsic time in quantum cosmology. Physical Review D, 1995, 52, 1963-1969.	4.7	13