

# Jose Geraldo Pereira

## List of Publications by Year in descending order

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85  
papers

2,828  
citations

304743

22  
h-index

223800

46  
g-index

87  
all docs

87  
docs citations

87  
times ranked

762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Teleparallel Gravity. , 2013, , .		462
2	TORSION GRAVITY: A REAPPRAISAL. International Journal of Modern Physics D, 2004, 13, 2193-2240.	2.1	231
3	Teleparallel theories of gravity: illuminating a fully invariant approach. Classical and Quantum Gravity, 2019, 36, 183001.	4.0	217
4	Gravitational Lorentz force and the description of the gravitational interaction. Physical Review D, 1997, 56, 4689-4695.	4.7	199
5	Gravitational Energy-Momentum Density in Teleparallel Gravity. Physical Review Letters, 2000, 84, 4533-4536.	7.8	183
6	Metric-affine approach to teleparallel gravity. Physical Review D, 2003, 67, .	4.7	160
7	Regularizing role of teleparallelism. Physical Review D, 2009, 80, .	4.7	70
8	de Sitter special relativity. Classical and Quantum Gravity, 2007, 24, 1385-1404.	4.0	67
9	Axial-vector torsion and the teleparallel Kerr spacetime. Classical and Quantum Gravity, 2001, 18, 833-841.	4.0	63
10	Spin connection and renormalization of teleparallel action. European Physical Journal C, 2015, 75, 1.	3.9	57
11	Non-relativistic spacetimes with cosmological constant. Classical and Quantum Gravity, 1999, 16, 495-506.	4.0	49
12	Gauge Structure of Teleparallel Gravity. Universe, 2019, 5, 139.	2.5	49
13	Teleparallel spin connection. Physical Review D, 2001, 64, .	4.7	46
14	Lessons of spin and torsion: Reply to "Consistent coupling to Dirac fields in teleparallelism". Physical Review D, 2004, 69, .	4.7	46
15	Holographic dark energy and the universe expansion acceleration. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 75-79.	4.1	44
16	Selected topics in teleparallel gravity. Brazilian Journal of Physics, 2004, 34, .	1.4	43
17	The Korteweg"de Vries hierarchy and long water"waves. Journal of Mathematical Physics, 1995, 36, 307-320.	1.1	42
18	TORSION AND THE ELECTROMAGNETIC FIELD. International Journal of Modern Physics D, 1999, 08, 141-151.	2.1	41

#	ARTICLE	IF	CITATIONS
19	Riemannian and Teleparallel Descriptions of the Scalar Field Gravitational Interaction. <i>General Relativity and Gravitation</i> , 1998, 30, 263-273.	2.0	38
20	Conserved currents in gravitational models with quasi-invariant Lagrangians: Application to teleparallel gravity. <i>Physical Review D</i> , 2006, 74, .	4.7	34
21	Gravitation Without the Equivalence Principle. <i>General Relativity and Gravitation</i> , 2004, 36, 101-110.	2.0	31
22	THE QUADRATIC SPINOR LAGRANGIAN, AXIAL TORSION CURRENT AND GENERALIZATIONS. <i>International Journal of Modern Physics D</i> , 2007, 16, 1653-1667.	2.1	30
23	Teleparallel equivalent of the Kaluza-Klein theory. <i>Physical Review D</i> , 2000, 61, .	4.7	25
24	De Sitter Relativity: a New Road to Quantum Gravity?. <i>Foundations of Physics</i> , 2009, 39, 1-19.	1.3	22
25	LETTER: Some Remarks on the Neutrino Oscillation Phase in a Gravitational Field. <i>General Relativity and Gravitation</i> , 2000, 32, 1633-1637.	2.0	21
26	Letter: Some Remarks on the Coupling Prescription of Teleparallel Gravity. <i>General Relativity and Gravitation</i> , 2004, 36, 2525-2538.	2.0	20
27	Teleparallel origin of the Fierz picture for spin-2 particle. <i>Physical Review D</i> , 2003, 67, .	4.7	19
28	Kerr's Newman Solution as a Dirac Particle. <i>General Relativity and Gravitation</i> , 2004, 36, 2441-2464.	2.0	19
29	Nonlinear surface-wave excitations in the Bénard-Marangoni system. <i>Physical Review A</i> , 1992, 46, 4786-4790.	2.5	18
30	Linearizability of the perturbed Burgers equation. <i>Physical Review E</i> , 1998, 58, 2526-2530.	2.1	17
31	COSMOLOGICAL TERM AND FUNDAMENTAL PHYSICS. <i>International Journal of Modern Physics D</i> , 2004, 13, 2241-2248.	2.1	17
32	A singular conformal spacetime. <i>Journal of Geometry and Physics</i> , 2006, 56, 1042-1056.	1.4	16
33	Surface perturbations of a shallow viscous fluid heated from below and the (2+1)-dimensional Burgers equation. <i>Physical Review A</i> , 1992, 45, 838-841.	2.5	15
34	Gravitation: global formulation and quantum effects. <i>Classical and Quantum Gravity</i> , 2004, 21, 51-62.	4.0	15
35	TORSION AND GRAVITATION: A NEW VIEW. <i>International Journal of Modern Physics D</i> , 2004, 13, 807-818.	2.1	15
36	Shallow viscous fluid heated from below and the Kadomtsev-Petviashvili equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 148, 53-56.	2.1	14

#	ARTICLE	IF	CITATIONS
37	The reductive perturbation method and the Korteweg-de Vries hierarchy. <i>Acta Applicandae Mathematicae</i> , 1995, 39, 389-403.	1.0	14
38	Multiple-time higher-order perturbation analysis of the regularized long-wavelength equation. <i>Physical Review E</i> , 1996, 54, 2976-2981.	2.1	14
39	On the energy transported by exact plane gravitational-wave solutions. <i>Classical and Quantum Gravity</i> , 2009, 26, 215014.	4.0	14
40	On the spacetime connecting two aeons in conformal cyclic cosmology. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	13
41	de Sitter Relativity and Quantum Physics. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	12
42	Nonlinear Gravitational Waves: Their Form and Effects. <i>International Journal of Theoretical Physics</i> , 2010, 49, 549-563.	1.2	12
43	Teleparallel equivalent of non-Abelian Kaluza-Klein theory. <i>Physical Review D</i> , 2002, 66, .	4.7	11
44	Bringing Together Gravity and the Quanta. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	11
45	IS PHYSICS ASKING FOR A NEW KINEMATICS?. <i>International Journal of Modern Physics D</i> , 2008, 17, 2485-2493.	2.1	11
46	A Hodge dual for soldered bundles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 035402.	2.1	11
47	Consistent gravitationally coupled spin-2 field theory. <i>Classical and Quantum Gravity</i> , 2010, 27, 145007.	4.0	11
48	de Sitter geodesics: reappraising the notion of motion. <i>General Relativity and Gravitation</i> , 2012, 44, 1299-1308.	2.0	11
49	Natural Poincaré gauge model. <i>Physical Review D</i> , 1986, 33, 2788-2795.	4.7	10
50	Boussinesq solitary wave as a multiple-time solution of the Korteweg-de Vries hierarchy. <i>Journal of Mathematical Physics</i> , 1995, 36, 6822-6828.	1.1	10
51	The Equivalence Principle Revisited. <i>Foundations of Physics</i> , 2003, 33, 545-575.	1.3	10
52	Surface solitary waves in a double diffusive system. <i>Physica Scripta</i> , 1992, 45, 289-291.	2.5	9
53	Kinematics of a Spacetime with an Infinite Cosmological Constant. <i>Foundations of Physics</i> , 2003, 33, 613-624.	1.3	9
54	The Nonlinear Essence of Gravitational Waves. <i>Foundations of Physics</i> , 2007, 37, 1503-1517.	1.3	9

#	ARTICLE	IF	CITATIONS
55	Lorentz connections and gravitation. , 2012, , .		9
56	Dark energy as a kinematic effect. Physics of the Dark Universe, 2016, 11, 49-53.	4.9	9
57	On the quantization of Poincaré and de Sitter gauge models. Journal of Mathematical Physics, 1988, 29, 1472-1476.	1.1	8
58	Torsion and the gravitational interaction. Classical and Quantum Gravity, 2004, 21, 5193-5202.	4.0	8
59	GRAVITATION AND DUALITY SYMMETRY. International Journal of Modern Physics D, 2005, 14, 1635-1648.	2.1	8
60	Teleparallelism: A New Insight into Gravity. , 2014, , 197-212.		8
61	Gravitation and the Local Symmetry Group of Space-Time. International Journal of Theoretical Physics, 2002, 41, 729-736.	1.2	7
62	Gravitation as Anholonomy. General Relativity and Gravitation, 2003, 35, 991-1005.	2.0	7
63	Gravity and the Quantum: Are they Reconcilable?. AIP Conference Proceedings, 2006, , .	0.4	6
64	De Sitter Special Relativity: Effects on cosmology. Gravitation and Cosmology, 2009, 15, 287-294.	1.1	6
65	Entropy in locally-de Sitter spacetimes. International Journal of Modern Physics D, 2015, 24, 1550099.	2.1	5
66	de Sitter-invariant special relativity and the dark energy problem. Classical and Quantum Gravity, 2017, 34, 115014.	4.0	5
67	Dissipative Boussinesq system of equations in the Bénard-Marangoni phenomenon. Physical Review E, 1994, 49, 1759-1762.	2.1	4
68	COSMOLOGICAL CONSTANT AND THE SPEED OF LIGHT. International Journal of Modern Physics D, 2001, 10, 41-48.	2.1	4
69	Angular momentum and energy-momentum densities as gauge currents. Physical Review D, 2002, 66, .	4.7	4
70	De sitter relativity: a natural scenario for an evolving $\hat{\rho}$ . Gravitation and Cosmology, 2012, 18, 181-187.	1.1	4
71	DE SITTER TRANSITIVITY, CONFORMAL TRANSFORMATIONS AND CONSERVATION LAWS. International Journal of Modern Physics D, 2014, 23, 1450035.	2.1	4
72	Regge calculus in teleparallel gravity. Classical and Quantum Gravity, 2002, 19, 4807-4815.	4.0	3

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73	Conformally and gauge invariant spin-2 field equations. <i>Gravitation and Cosmology</i> , 2013, 19, 163-170.	1.1	3
74	De Sitter-Invariant Special Relativity and Galaxy Rotation Curves. <i>Gravitation and Cosmology</i> , 2019, 25, 157-163.	1.1	3
75	An Improved Framework for Quantum Gravity. <i>Universe</i> , 2020, 6, 243.	2.5	3
76	Effects of a temperature dependent viscosity in surface nonlinear waves propagating in a shallow fluid heated from below. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 169, 259-262.	2.1	2
77	Hydrothermal surface-wave instability and the Kuramoto-Sivashinsky equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 185, 88-92.	2.1	2
78	Modulational instability analysis of surface-waves in the Bénard-Marangoni phenomenon. <i>Physica D: Nonlinear Phenomena</i> , 1995, 87, 356-360.	2.8	2
79	Some Implications of the Cosmological Constant to Fundamental Physics. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
80	Existence of Lagrangians for the Yang-Mills equations. <i>Reports on Mathematical Physics</i> , 1988, 26, 237-243.	0.8	1
81	Some remarks on the conformal group. <i>Reports on Mathematical Physics</i> , 1992, 31, 185-188.	0.8	1
82	Nonlinear diffusion process in a Bénard system at the critical point for the onset of convection. <i>Physical Review E</i> , 1993, 47, 3303-3306.	2.1	1
83	Spin-2 Fields and Helicity. <i>Foundations of Physics</i> , 2012, 42, 1339-1349.	1.3	1
84	Mass Generation from Lie Algebra Extensions. <i>International Journal of Theoretical Physics</i> , 2003, 42, 2955-2970.	1.2	0
85	DOING WITHOUT THE EQUIVALENCE PRINCIPLE. , 2006, , .		0