

# 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	An Improved Framework for Quantum Gravity. Universe, 2020, 6, 243.	2.5	3
2	Teleparallel theories of gravity: illuminating a fully invariant approach. Classical and Quantum Gravity, 2019, 36, 183001.	4.0	217
3	Gauge Structure of Teleparallel Gravity. Universe, 2019, 5, 139.	2.5	49
4	De Sitter-Invariant Special Relativity and Galaxy Rotation Curves. Gravitation and Cosmology, 2019, 25, 157-163.	1.1	3
5	de Sitter-invariant special relativity and the dark energy problem. Classical and Quantum Gravity, 2017, 34, 115014.	4.0	5
6	Dark energy as a kinematic effect. Physics of the Dark Universe, 2016, 11, 49-53.	4.9	9
7	Spin connection and renormalization of teleparallel action. European Physical Journal C, 2015, 75, 1.	3.9	57
8	Entropy in locally-de Sitter spacetimes. International Journal of Modern Physics D, 2015, 24, 1550099.	2.1	5
9	On the spacetime connecting two aeons in conformal cyclic cosmology. General Relativity and Gravitation, 2015, 47, 1.	2.0	13
10	DE SITTER TRANSITIVITY, CONFORMAL TRANSFORMATIONS AND CONSERVATION LAWS. International Journal of Modern Physics D, 2014, 23, 1450035.	2.1	4
11	Teleparallelism: A New Insight into Gravity. , 2014, , 197-212.		8
12	Teleparallel Gravity. , 2013, , .		462
13	Conformally and gauge invariant spin-2 field equations. Gravitation and Cosmology, 2013, 19, 163-170.	1.1	3
14	Spin-2 Fields and Helicity. Foundations of Physics, 2012, 42, 1339-1349.	1.3	1
15	De sitter relativity: a natural scenario for an evolving $\hat{\rho}$ . Gravitation and Cosmology, 2012, 18, 181-187.	1.1	4
16	Lorentz connections and gravitation. , 2012, , .		9
17	de Sitter geodesics: reappraising the notion of motion. General Relativity and Gravitation, 2012, 44, 1299-1308.	2.0	11
18	Nonlinear Gravitational Waves: Their Form and Effects. International Journal of Theoretical Physics, 2010, 49, 549-563.	1.2	12

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19	Consistent gravitationally coupled spin-2 field theory. <i>Classical and Quantum Gravity</i> , 2010, 27, 145007.	4.0	11
20	A Hodge dual for soldered bundles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 035402.	2.1	11
21	On the energy transported by exact plane gravitational-wave solutions. <i>Classical and Quantum Gravity</i> , 2009, 26, 215014.	4.0	14
22	De Sitter Relativity: a New Road to Quantum Gravity?. <i>Foundations of Physics</i> , 2009, 39, 1-19.	1.3	22
23	De Sitter Special Relativity: Effects on cosmology. <i>Gravitation and Cosmology</i> , 2009, 15, 287-294.	1.1	6
24	Regularizing role of teleparallelism. <i>Physical Review D</i> , 2009, 80, .	4.7	70
25	IS PHYSICS ASKING FOR A NEW KINEMATICS?. <i>International Journal of Modern Physics D</i> , 2008, 17, 2485-2493.	2.1	11
26	Some Implications of the Cosmological Constant to Fundamental Physics. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
27	de Sitter special relativity. <i>Classical and Quantum Gravity</i> , 2007, 24, 1385-1404.	4.0	67
28	de Sitter Relativity and Quantum Physics. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	12
29	THE QUADRATIC SPINOR LAGRANGIAN, AXIAL TORSION CURRENT AND GENERALIZATIONS. <i>International Journal of Modern Physics D</i> , 2007, 16, 1653-1667.	2.1	30
30	The Nonlinear Essence of Gravitational Waves. <i>Foundations of Physics</i> , 2007, 37, 1503-1517.	1.3	9
31	Conserved currents in gravitational models with quasi-invariant Lagrangians: Application to teleparallel gravity. <i>Physical Review D</i> , 2006, 74, .	4.7	34
32	Gravity and the Quantum: Are they Reconcilable?. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	6
33	Bringing Together Gravity and the Quanta. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	11
34	A singular conformal spacetime. <i>Journal of Geometry and Physics</i> , 2006, 56, 1042-1056.	1.4	16
35	Holographic dark energy and the universe expansion acceleration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 636, 75-79.	4.1	44
36	DOING WITHOUT THE EQUIVALENCE PRINCIPLE. , 2006, , .		0

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37	GRAVITATION AND DUALITY SYMMETRY. International Journal of Modern Physics D, 2005, 14, 1635-1648.	2.1	8
38	Gravitation: global formulation and quantum effects. Classical and Quantum Gravity, 2004, 21, 51-62.	4.0	15
39	Torsion and the gravitational interaction. Classical and Quantum Gravity, 2004, 21, 5193-5202.	4.0	8
40	Lessons of spin and torsion: Reply to "Consistent coupling to Dirac fields in teleparallelism". Physical Review D, 2004, 69, .	4.7	46
41	TORSION GRAVITY: A REAPPRAISAL. International Journal of Modern Physics D, 2004, 13, 2193-2240.	2.1	231
42	COSMOLOGICAL TERM AND FUNDAMENTAL PHYSICS. International Journal of Modern Physics D, 2004, 13, 2241-2248.	2.1	17
43	TORSION AND GRAVITATION: A NEW VIEW. International Journal of Modern Physics D, 2004, 13, 807-818.	2.1	15
44	Gravitation Without the Equivalence Principle. General Relativity and Gravitation, 2004, 36, 101-110.	2.0	31
45	Kerr's "Newman Solution as a Dirac Particle. General Relativity and Gravitation, 2004, 36, 2441-2464.	2.0	19
46	Letter: Some Remarks on the Coupling Prescription of Teleparallel Gravity. General Relativity and Gravitation, 2004, 36, 2525-2538.	2.0	20
47	Selected topics in teleparallel gravity. Brazilian Journal of Physics, 2004, 34, .	1.4	43
48	The Equivalence Principle Revisited. Foundations of Physics, 2003, 33, 545-575.	1.3	10
49	Kinematics of a Spacetime with an Infinite Cosmological Constant. Foundations of Physics, 2003, 33, 613-624.	1.3	9
50	Gravitation as Anholonomy. General Relativity and Gravitation, 2003, 35, 991-1005.	2.0	7
51	Mass Generation from Lie Algebra Extensions. International Journal of Theoretical Physics, 2003, 42, 2955-2970.	1.2	0
52	Metric-affine approach to teleparallel gravity. Physical Review D, 2003, 67, .	4.7	160
53	Teleparallel origin of the Fierz picture for spin-2 particle. Physical Review D, 2003, 67, .	4.7	19
54	Teleparallel equivalent of non-Abelian Kaluza-Klein theory. Physical Review D, 2002, 66, .	4.7	11

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55	Angular momentum and energy-momentum densities as gauge currents. <i>Physical Review D</i> , 2002, 66, .	4.7	4
56	Regge calculus in teleparallel gravity. <i>Classical and Quantum Gravity</i> , 2002, 19, 4807-4815.	4.0	3
57	Gravitation and the Local Symmetry Group of Space-Time. <i>International Journal of Theoretical Physics</i> , 2002, 41, 729-736.	1.2	7
58	COSMOLOGICAL CONSTANT AND THE SPEED OF LIGHT. <i>International Journal of Modern Physics D</i> , 2001, 10, 41-48.	2.1	4
59	Axial-vector torsion and the teleparallel Kerr spacetime. <i>Classical and Quantum Gravity</i> , 2001, 18, 833-841.	4.0	63
60	Teleparallel spin connection. <i>Physical Review D</i> , 2001, 64, .	4.7	46
61	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
62	Gravitational Energy-Momentum Density in Teleparallel Gravity. <i>Physical Review Letters</i> , 2000, 84, 4533-4536.	7.8	183
63	Teleparallel equivalent of the Kaluza-Klein theory. <i>Physical Review D</i> , 2000, 61, .	4.7	25
64	Non-relativistic spacetimes with cosmological constant. <i>Classical and Quantum Gravity</i> , 1999, 16, 495-506.	4.0	49
65	TORSION AND THE ELECTROMAGNETIC FIELD. <i>International Journal of Modern Physics D</i> , 1999, 08, 141-151.	2.1	41
66	Riemannian and Teleparallel Descriptions of the Scalar Field Gravitational Interaction. <i>General Relativity and Gravitation</i> , 1998, 30, 263-273.	2.0	38
67	Linearizability of the perturbed Burgers equation. <i>Physical Review E</i> , 1998, 58, 2526-2530.	2.1	17
68	Gravitational Lorentz force and the description of the gravitational interaction. <i>Physical Review D</i> , 1997, 56, 4689-4695.	4.7	199
69	Multiple-time higher-order perturbation analysis of the regularized long-wavelength equation. <i>Physical Review E</i> , 1996, 54, 2976-2981.	2.1	14
70	The Kortewegâ€“de Vries hierarchy and long waterâ€“waves. <i>Journal of Mathematical Physics</i> , 1995, 36, 307-320.	1.1	42
71	Boussinesq solitaryâ€“wave as a multipleâ€“time solution of the Kortewegâ€“de Vries hierarchy. <i>Journal of Mathematical Physics</i> , 1995, 36, 6822-6828.	1.1	10
72	The reductive perturbation method and the Korteweg-de Vries hierarchy. <i>Acta Applicandae Mathematicae</i> , 1995, 39, 389-403.	1.0	14

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73	Modulational instability analysis of surface-waves in the Bård-Marangoni phenomenon. <i>Physica D: Nonlinear Phenomena</i> , 1995, 87, 356-360.	2.8	2
74	Dissipative Boussinesq system of equations in the Bård-Marangoni phenomenon. <i>Physical Review E</i> , 1994, 49, 1759-1762.	2.1	4
75	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
76	Nonlinear diffusion process in a Bård system at the critical point for the onset of convection. <i>Physical Review E</i> , 1993, 47, 3303-3306.	2.1	1
77	Surface solitary waves in a double diffusive system. <i>Physica Scripta</i> , 1992, 45, 289-291.	2.5	9
78	Nonlinear surface-wave excitations in the Bård-Marangoni system. <i>Physical Review A</i> , 1992, 46, 4786-4790.	2.5	18
79	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
80	Some remarks on the conformal group. <i>Reports on Mathematical Physics</i> , 1992, 31, 185-188.	0.8	1
81	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
82	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
83	Existence of Lagrangians for the Yang-Mills equations. <i>Reports on Mathematical Physics</i> , 1988, 26, 237-243.	0.8	1
84	On the quantization of Poincaré and de Sitter gauge models. <i>Journal of Mathematical Physics</i> , 1988, 29, 1472-1476.	1.1	8
85	Natural Poincaré gauge model. <i>Physical Review D</i> , 1986, 33, 2788-2795.	4.7	10