

Rodrigues Wa Jr

List of Publications by Year in descending order

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87
papers

1,134
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361413

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454955

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g-index

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all docs

96
docs citations

96
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	WHERE ARE ELKO SPINOR FIELDS IN LOUNESTO SPINOR FIELD CLASSIFICATION?. Modern Physics Letters A, 2006, 21, 65-74.	1.2	83
2	Escape from a fluctuating double well. Physical Review E, 1995, 51, 3849-3861.	2.1	68
3	On the existence of undistorted progressive waves (LIPWs) of arbitrary speeds $0 < \tilde{v} < \tilde{c}$ in nature. Foundations of Physics, 1997, 27, 435.	1.3	51
4	The bundles of algebraic and Dirac-Hestenes spinor fields. Journal of Mathematical Physics, 2004, 45, 2945-2966.	1.1	50
5	Spin and electron structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 481-488.	4.1	46
6	Antiparticles from special Relativity with ortho-chronous and antichronous Lorentz transformations. Foundations of Physics, 1982, 12, 709-718.	1.3	44
7	Algebraic and Dirac-Hestenes spinors and spinor fields. Journal of Mathematical Physics, 2004, 45, 2908-2944.	1.1	44
8	Covariant, algebraic, and operator spinors. International Journal of Theoretical Physics, 1990, 29, 371-395.	1.2	38
9	Equivalence of Dirac and Maxwell equations and quantum mechanics. International Journal of Theoretical Physics, 1993, 32, 945-959.	1.2	33
10	About zitterbewegung and electron structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 623-628.	4.1	32
11	The Clifford bundle and the nature of the gravitational field. Foundations of Physics, 1993, 23, 1465-1490.	1.3	29
12	The meaning of time in the theory of relativity and Einstein's later view of the Twin Paradox. Foundations of Physics, 1989, 19, 705-724.	1.3	28
13	A satisfactory formalism for magnetic monopoles by Clifford algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 173, 233-236.	4.1	27
14	Quantum mechanics: From complex to complexified quaternions. International Journal of Theoretical Physics, 1997, 36, 2725-2757.	1.2	27
15	Quaternionic Electron Theory: Dirac's Equation. International Journal of Theoretical Physics, 1998, 37, 1511-1529.	1.2	27
16	Magnetic monopoles without string in the Kähler-Clifford algebra bundle: A geometrical interpretation. Journal of Mathematical Physics, 1990, 31, 502-505.	1.1	26
17	Dirac and Maxwell equations in the Clifford and spin-Clifford bundles. International Journal of Theoretical Physics, 1990, 29, 397-412.	1.2	26
18	Causal explanation for observed superluminal behavior of microwave propagation in free space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 217-224.	2.1	21

#	ARTICLE	IF	CITATIONS
19	Electronic correlations in narrow-band solids. <i>Physical Review B</i> , 1979, 19, 1203-1212.	3.2	20
20	A THOUGHTFUL STUDY OF LORENTZ TRANSFORMATIONS BY CLIFFORD ALGEBRAS. <i>International Journal of Modern Physics A</i> , 1992, 07, 1793-1817.	1.5	20
21	Rotating Frames in SRT: The Sagnac Effect and Related Issues. <i>Foundations of Physics</i> , 2001, 31, 1767-1783.	1.3	19
22	The mathematical structure of Newtonian spacetime: Classical dynamics and gravitation. <i>Foundations of Physics</i> , 1995, 25, 871-924.	1.3	17
23	Extensors. <i>Advances in Applied Clifford Algebras</i> , 2001, 11, 23-40.	1.0	17
24	On experiments to detect possible failures of relativity theory. <i>Foundations of Physics</i> , 1985, 15, 945-961.	1.3	16
25	Quaternionic Electron Theory: Geometry, Algebra, and Dirac's Spinors. <i>International Journal of Theoretical Physics</i> , 1998, 37, 1707-1720.	1.2	16
26	Real spin-Clifford bundle and the spinor structure of space-time. <i>International Journal of Theoretical Physics</i> , 1990, 29, 413-424.	1.2	13
27	A generalization of Dirac nonlinear electrodynamics, and spinning charged particles. <i>Foundations of Physics</i> , 1993, 23, 469-485.	1.3	13
28	Mass and energy in General Relativity. <i>General Relativity and Gravitation</i> , 1995, 27, 813-819.	2.0	13
29	The relation between Maxwell, Dirac, and the Seiberg-Witten equations. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2003, 2003, 2707-2734.	0.7	13
30	AN AMBIGUOUS STATEMENT CALLED THE "TETRAD POSTULATE" AND THE CORRECT FIELD EQUATIONS SATISFIED BY THE TETRAD FIELDS. <i>International Journal of Modern Physics D</i> , 2005, 14, 2095-2150.	2.1	13
31	A MAXWELL-LIKE FORMULATION OF GRAVITATIONAL THEORY IN MINKOWSKI SPACE-TIME. <i>International Journal of Modern Physics D</i> , 2007, 16, 1027-1041.	2.1	13
32	The squares of the dirac and spin-dirac operators on a riemann-cartan space(time). <i>Reports on Mathematical Physics</i> , 2007, 60, 135-157.	0.8	13
33	Spinor Fields and Superfields as Equivalence Classes of Exterior Algebra Fields. , 1995, , 177-198.		11
34	Freud's Identity of Differential Geometry, the Einstein-Hilbert Equations and the Vexatious Problem of the Energy-Momentum Conservation in GR. <i>Advances in Applied Clifford Algebras</i> , 2009, 19, 113-145.	1.0	10
35	The Nature of Gravitational Field and its Legitimate Energy-Momentum Tensor. <i>Reports on Mathematical Physics</i> , 2012, 69, 265-279.	0.8	10
36	Elko Spinor Fields and Massive Magnetic Like Monopoles. <i>International Journal of Theoretical Physics</i> , 2014, 53, 4381-4401.	1.2	10

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37	A comment on the twin paradox and the Hafele-Keating experiment. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 140, 479-484.	2.1	9
38	CLIFFORD VALUED DIFFERENTIAL FORMS, AND SOME ISSUES IN GRAVITATION, ELECTROMAGNETISM AND "UNIFIED" THEORIES. International Journal of Modern Physics D, 2004, 13, 1879-1915.	2.1	9
39	Complex Geometry and Dirac Equation. International Journal of Theoretical Physics, 1998, 37, 2415-2431.	1.2	8
40	Lagrangian Formalism for Multiform Fields on Minkowski Spacetime. International Journal of Theoretical Physics, 2001, 40, 299-314.	1.2	8
41	Thoughtful comments on "Bessel beams and signal propagation". Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 296-303.	2.1	8
42	Pair and impair, even and odd form fields, and electromagnetism. Annalen Der Physik, 2010, 19, 6-34.	2.4	8
43	Finite energy superluminal solutions of Maxwell equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 367-370.	2.1	7
44	Equivalence Principle and the Principle of Local Lorentz Invariance. Foundations of Physics, 2001, 31, 1785-1806.	1.3	7
45	Tachyons: may they have a role in elementary particle physics?. Progress in Particle and Nuclear Physics, 1985, 15, 499-517.	14.4	6
46	Dirac-Hestenes Lagrangian. International Journal of Theoretical Physics, 1999, 38, 2349-2369.	1.2	6
47	THE EINSTEIN "HILBERT LAGRANGIAN DENSITY IN A TWO-DIMENSIONAL SPACETIME IS AN EXACT DIFFERENTIAL. Modern Physics Letters A, 2006, 21, 1519-1527.	1.2	6
48	Locally inertial reference frames in Lorentzian and Riemann-Cartan spacetimes. Annalen Der Physik, 2012, 524, 302-310.	2.4	6
49	Formal structures, the concepts of covariance, invariance, equivalent reference frames, and the principle Relativity. Foundations of Physics Letters, 1990, 3, 59-79.	0.6	5
50	Killing Vector Fields, Maxwell Equations and Lorentzian Spacetimes. Advances in Applied Clifford Algebras, 2010, 20, 871-884.	1.0	5
51	A Clifford Bundle Approach to the Differential Geometry of Branes. Advances in Applied Clifford Algebras, 2014, 24, 817-847.	1.0	5
52	Concept of Lie Derivative of Spinor Fields A Geometric Motivated Approach. Advances in Applied Clifford Algebras, 2017, 27, 209-227.	1.0	5
53	Covariant Derivatives on Minkowski Manifolds. , 2000, , 367-391.		5
54	The Clifford bundle and the dynamics of the superparticle. Banach Center Publications, 1996, 37, 295-314.	0.1	5

#	ARTICLE	IF	CITATIONS
55	A GEOMETRICAL THEORY OF NON-TOPOLOGICAL MAGNETIC MONOPOLES. Modern Physics Letters A, 1989, 04, 175-185.	1.2	4
56	THE DIRAC-HESTENES EQUATION FOR SPHERICAL SYMMETRIC POTENTIALS IN THE SPHERICAL AND CARTESIAN GAUGES. International Journal of Modern Physics A, 2006, 21, 4071-4082.	1.5	4
57	Superposition principle and the problem of additivity of the energies and momenta of distinct electromagnetic fields. Reports on Mathematical Physics, 2008, 62, 91-101.	0.8	4
58	Gravitation and Electromagnetism as Geometrical Objects of a Riemann-Cartan Spacetime Structure. Advances in Applied Clifford Algebras, 2012, 22, 649-664.	1.0	4
59	A riemann integral approach to Feynman's path integral. Foundations of Physics Letters, 1995, 8, 365-373.	0.6	3
60	The effective lorentzian and teleparallel spacetimes generated by a free electromagnetic field. Reports on Mathematical Physics, 2008, 62, 69-89.	0.8	3
61	A comment on generalized electromagnetism and dirac algebra. Foundations of Physics Letters, 1990, 3, 95-99.	0.6	2
62	New integral representation of the solutions of the Schrödinger equation with arbitrary potentials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 179, 235-238.	2.1	2
63	Notes on Conservation Laws, Equations of Motion of Matter, and Particle Fields in Lorentzian and Teleparallel de Sitter Space-Time Structures. Advances in Mathematical Physics, 2016, 2016, 1-27.	0.8	2
64	A Clifford Bundle Approach to the Wave Equation of a Spin 1/2 Fermion in the de Sitter Manifold. Advances in Applied Clifford Algebras, 2016, 26, 253-277.	1.0	2
65	The Dirac-Hestenes Equation and its Relation with the Relativistic de Broglie-Bohm Theory. Advances in Applied Clifford Algebras, 2017, 27, 2639-2657.	1.0	2
66	The Relativistic Hamilton-Jacobi Equation for a Massive, Charged and Spinning Particle, its Equivalent Dirac Equation and the de Broglie-Bohm Theory. Advances in Applied Clifford Algebras, 2017, 27, 1779-1799.	1.0	2
67	The Hidden Geometrical Nature of Spinors. Lecture Notes in Physics, 2016, , 69-105.	0.7	2
68	A GENERALIZED DIRAC-TMS QUANTIZATION CONDITION FOR PHENOMENOLOGICAL NON-ABELIAN MAGNETIC MONOPOLES. Modern Physics Letters A, 1994, 09, 81-88.	1.2	1
69	Diffeomorphism Invariance and Local Lorentz Invariance. Advances in Applied Clifford Algebras, 2008, 18, 945-961.	1.0	1
70	Gauge Fixing in the Maxwell Like Gravitational Theory in Minkowski Spacetime and in the Equivalent Lorentzian Spacetime. , 2010, , .		1
71	Rigorous formulation of duality in gravitational theories. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 205206.	2.1	1
72	Equations of Motion and Energy-Momentum 1-Forms for the Coupled Gravitational, Maxwell and Dirac Fields. Advances in Applied Clifford Algebras, 2017, 27, 787-803.	1.0	1

#	ARTICLE	IF	CITATIONS
73	Maxwell, Dirac and Seiberg-Witten Equations. Lecture Notes in Physics, 2016, , 451-483.	0.7	1
74	Clifford Bundle Approach to the Differential Geometry of Branes. Lecture Notes in Physics, 2016, , 189-224.	0.7	1
75	A comment on: "On some contradictory computations in multi-dimensional mathematics"™. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 2316-2320.	1.1	0
76	Comment on "Self-interacting Elko dark matter with an axis of locality". Physical Review D, 2012, 86, .	4.7	0
77	A generalized electromagnetic theory for the mass spectrum of neutrinos. Gravitation and Cosmology, 2014, 20, 10-14.	1.1	0
78	Differential Structure of the Hyperbolic Clifford Algebra. Advances in Applied Clifford Algebras, 2015, 25, 169-218.	1.0	0
79	Multivector and Extensor Calculus. Lecture Notes in Physics, 2016, , 21-68.	0.7	0
80	Some Differential Geometry. Lecture Notes in Physics, 2016, , 107-188.	0.7	0
81	On the Motion of a Free Particle in the de Sitter Manifold. Advances in Applied Clifford Algebras, 2017, 27, 1761-1767.	1.0	0
82	Bosonization of Fermionic Fields and Fermionization of Bosonic Fields. Advances in Applied Clifford Algebras, 2017, 27, 1769-1778.	1.0	0
83	Clifford Algebras, Supercalculus, and Spinning Particle Models. NATO ASI Series Series B: Physics, 1997, , 201-222.	0.2	0
84	Is There Any Relationship between Maxwell and Dirac Equations?. NATO ASI Series Series B: Physics, 1997, , 327-337.	0.2	0
85	Some Issues in Relativistic Spacetime Theories. Lecture Notes in Physics, 2016, , 225-290.	0.7	0
86	Conservation Laws on Riemann-Cartan and Lorentzian Spacetimes. Lecture Notes in Physics, 2016, , 359-393.	0.7	0
87	On the Nature of the Gravitational Field. Lecture Notes in Physics, 2016, , 403-427.	0.7	0