

Carlos Alberto Almeida

List of Publications by Year in descending order

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109
papers

2,013
citations

236612

25
h-index

288905

40
g-index

111
all docs

111
docs citations

111
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact solvability of potentials with spatially dependent effective masses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 25-30.	0.9	222
2	Fermion localization and resonances on two-field thick branes. <i>Physical Review D</i> , 2009, 79, .	1.6	112
3	One-dimensional Dirac oscillator in a thermal bath. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 311, 93-96.	0.9	103
4	Remarks on supersymmetry of quantum systems with position-dependent effective masses. <i>Europhysics Letters</i> , 2003, 62, 8-13.	0.7	57
5	Form of the quantum kinetic-energy operator with spatially varying effective mass. <i>Physical Review B</i> , 1997, 55, 1326-1328.	1.1	54
6	Einstein-Hilbert graviton modes modified by the Lorentz-violating bumblebee field. <i>Physical Review D</i> , 2014, 90, .	1.6	53
7	Bounds on topological Abelian string-vortex and string-cigar from information-entropic measure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 358-362.	1.5	50
8	Three-dimensional Dirac oscillator in a thermal bath. <i>Europhysics Letters</i> , 2014, 108, 10005.	0.7	44
9	Results in Kalb-Ramond field localization and resonances on deformed branes. <i>Europhysics Letters</i> , 2009, 88, 41001.	0.7	41
10	Gauge field localization on the Bloch brane. <i>Physical Review D</i> , 2013, 87, .	1.6	41
11	Quasinormal modes of bumblebee wormhole. <i>Classical and Quantum Gravity</i> , 2019, 36, 105013.	1.5	40
12	Quasinormal frequencies of self-dual black holes. <i>Physical Review D</i> , 2016, 93, .	1.6	38
13	Thermodynamic properties of an Aharonov-Bohm quantum ring. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	37
14	Treating some solid state problems with the Dirac equation. <i>Journal of Physics A</i> , 2000, 33, L509-L514.	1.6	36
15	Gauge field localization on a dilatonic deformed brane. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 686, 259-263.	1.5	36
16	Long-lived oscillons from asymmetric bubbles: Existence and stability. <i>Physical Review D</i> , 2002, 66, .	1.6	35
17	Radiative corrections in bumblebee electrodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 304-308.	1.5	33
18	Tensor gauge field localization in branes. <i>Physical Review D</i> , 2009, 79, .	1.6	31

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19	Kinematics and dynamics in a bipartite-Finsler spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 731, 74-79.	1.5	31
20	Matter-gravity scattering in the presence of spontaneous Lorentz violation. <i>Physical Review D</i> , 2013, 88, .	1.6	30
21	Thermodynamical properties of graphene in noncommutative phase space. <i>Annals of Physics</i> , 2014, 349, 402-410.	1.0	30
22	Graviton resonances on two-field thick branes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 314-319.	1.5	30
23	Kalbach-Ramond field localization on the Bloch brane. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	29
24	Modified black hole solution with a background Kalbach-Ramond field. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	27
25	Fermions on deformed thick branes. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	25
26	A nonlinear dynamics for the scalar field in Randers spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 766, 263-267.	1.5	25
27	Quasinormal frequencies for a black hole in a bumblebee gravity. <i>Europhysics Letters</i> , 2021, 135, 10003.	0.7	25
28	Scalar field localization on 3-branes placed at a warped resolved conifold. <i>Physical Review D</i> , 2011, 84, .	1.6	23
29	Gauge vector field localization on a 3-brane placed in a warped transverse resolved conifold. <i>Physical Review D</i> , 2013, 87, .	1.6	22
30	Thick brane in $f(R)$ gravity. <i>Physical Review D</i> , 2016, 93, 045011.	1.6	22
31	Vector and fermion fields on a bouncing brane with a decreasing warp factor in a string-like defect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 731, 64-69.	1.5	21
32	Fermionic Kaluza-Klein modes in the string-cigar braneworld. <i>Physical Review D</i> , 2015, 92, .	1.6	21
33	Pauli's term and fractional spin. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 455, 213-216.	1.5	20
34	Vortices in a nonminimal Maxwell-Chern-Simons $O(3)$ sigma model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 475, 315-323.	1.5	20
35	Dirac equation in very special relativity for hydrogen atom. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 341-345.	1.5	20
36	Bound-state solutions of the Dirac oscillator in an Aharonov-Bohm-Coulomb system. <i>Annals of Physics</i> , 2019, 400, 1-8.	1.0	19

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37	Graviton resonances on deformed branes. <i>Europhysics Letters</i> , 2011, 96, 31001.	0.7	18
38	Gravity localization in a string-cigar braneworld. <i>Classical and Quantum Gravity</i> , 2013, 30, 025005.	1.5	18
39	Bound vortex states and exotic lattices in multicomponent Bose-Einstein condensates: The role of vortex-vortex interaction. <i>Physical Review A</i> , 2015, 91, .	1.0	17
40	Antisymmetric tensor propagator with spontaneous Lorentz violation. <i>Europhysics Letters</i> , 2018, 124, 61001.	0.7	17
41	Fermion localization in braneworld teleparallel $f(T, B)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	16
42	Vortex solutions in nonpolynomial scalar QED. <i>Physical Review D</i> , 2021, 103, .	1.6	16
43	Thermodynamics of Schwarzschild-like black holes in modified gravity models. <i>Annals of Physics</i> , 2020, 418, 168198.	1.0	16
44	Gravity localization on hybrid branes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 201-207.	1.5	15
45	Fermions in a warped resolved conifold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 425-430.	1.5	14
46	Gauge fields in a string-cigar braneworld. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 747, 517-522.	1.5	14
47	The relativistic Aharonov-Bohm-Coulomb system with position-dependent mass. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 045304.	0.7	14
48	On gravity localization under Lorentz violation in warped scenario. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 1114-1118.	1.5	13
49	Multiresonance modes in sine-Gordon brane models. <i>Annals of Physics</i> , 2016, 375, 49-64.	1.0	13
50	Phase transitions in thick branes endorsed by entropic information. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 592-598.	1.5	13
51	Gravity localization in sine-Gordon braneworlds. <i>Annals of Physics</i> , 2016, 364, 25-34.	1.0	12
52	The Casimir effect for the scalar and Elko fields in a Lifshitz-like field theory. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
53	Non-Chern-Simons topological mass generation in (2+1) dimensions. <i>Europhysics Letters</i> , 1999, 48, 610-615.	0.7	11
54	Exotic Elko on string-like defects in six dimensions. <i>Europhysics Letters</i> , 2017, 117, 51001.	0.7	11

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55	Bipartite-Finsler symmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 135009.	1.5	11
56	Traversable wormhole solution with a background Kalb-Ramond field. Annals of Physics, 2021, 433, 168604.	1.0	11
57	Kink dynamics in a topological lattice. Physical Review E, 2001, 64, 037701.	0.8	10
58	Gravitational Kaluza-Klein modes in the string-cigar braneworld. Physical Review D, 2015, 91, .	1.6	10
59	Ring-like vortices in a logarithmic generalized Maxwell theory. Europhysics Letters, 2020, 131, 31003.	0.7	10
60	Information and thermodynamic properties of a non-Hermitian particle ensemble. International Journal of Quantum Chemistry, 2021, 121, e26645.	1.0	10
61	Phase transitions in the logarithmic Maxwell $O(3)$ -sigma model. European Physical Journal C, 2021, 81, 1.	1.4	10
62	First-order formalism for thick branes in $f(T, \mathscr{T})$ gravity. European Physical Journal C, 2021, 81, 1.	1.4	10
63	Transforming kinks into compactons in the $O(3)$ -sigma model. Annals of Physics, 2020, 422, 168315.	1.0	9
64	Thick string-like braneworlds in $f(T)$ gravity. International Journal of Modern Physics D, 2021, 30, 2150047.	0.9	9
65	Corrections to Newton's law of gravitation in the context of codimension-1 warped thick braneworlds. Physical Review D, 2017, 95, .	1.6	8
66	A new class of solutions of a generalized $O(3)$ -sigma Chern-Simons model. Europhysics Letters, 2020, 130, 10005.	0.7	8
67	Non-minimal coupling of fermion to the torsion in the modified teleparallel braneworld. Annals of Physics, 2022, 442, 168912.	1.0	8
68	Topologically massive non-abelian BF models in arbitrary space-time dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 504, 147-151.	1.5	7
69	Nonminimal Maxwell-Chern-Simons- $O(3)$ -sigma vortices: Asymmetric potential case. Physical Review D, 2006, 74, .	1.6	7
70	Tensor gauge field localization on a string-like defect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 97-103.	1.5	7
71	Statistical properties of linear Majorana fermions. International Journal of Quantum Chemistry, 2021, 121, e26749.	1.0	7
72	Configurational entropy and braneworlds in $f(T, B)$ gravity. International Journal of Modern Physics D, 2022, 31, .	0.9	7

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73	Compact-like vortices in isotropic curved spacetime. <i>Annals of Physics</i> , 2021, 434, 168648.	1.0	6
74	Topological structures in a noncanonical perturbative dynamic of a cuscutonlike model. <i>Physical Review D</i> , 2022, 105, .	1.6	6
75	Resonances in gravitational scenario given by deformed branes. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	5
76	Brane bounce-type configurations in a string-like scenario. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 718, 579-583.	1.5	5
77	Superfield effective potential for the two-form field. <i>Physical Review D</i> , 2015, 92, .	1.6	5
78	Configurational Entropy and Newton's Law in Double Sineâ€Gordon Braneworlds. <i>Annalen Der Physik</i> , 2019, 531, 1900178.	0.9	5
79	Superspace gauge-invariant formulation of a massive tridimensional 2-form field. <i>Physical Review D</i> , 2000, 63, .	1.6	4
80	Six-dimensional standing-wave braneworld with normal matter as source. <i>Physical Review D</i> , 2014, 89, .	1.6	4
81	A smoothed string-like braneworld in six dimensions. <i>European Physical Journal C</i> , 2015, 75, 1.	1.4	4
82	Monopoles on string-like models and the Coulomb's law. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 149-154.	1.5	4
83	Dual equivalence between self-dual and topologically massive B models coupled to matter in $3+1$ dimensions. <i>Physical Review D</i> , 2020, 102, .	1.6	4
84	Teleparallel gravity: Effects of torsion in 6D braneworlds. <i>International Journal of Modern Physics D</i> , 2021, 30, .	0.9	4
85	ON THE QUANTUM CORRECTIONS TO TWO-DIMENSIONAL (1, 0)-SUPERSYMMETRIC ABELIAN GAUGE MODELS. <i>Modern Physics Letters A</i> , 1991, 06, 1443-1451.	0.5	3
86	GAUGING \mathfrak{h} -MODEL ISOMETRIES IN (2, 0)-SUPERSPACE. <i>Modern Physics Letters A</i> , 1991, 06, 1397-1407.	0.5	3
87	Refinements of the Weyl Pure Geometrical Thick Branes From Informationâ€Entropic Measure. <i>Annalen Der Physik</i> , 2018, 530, 1700188.	0.9	3
88	Regular string-like braneworlds. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	3
89	Correlations between emission events in Rainbow Gravity. <i>Annals of Physics</i> , 2021, 428, 168436.	1.0	3
90	New class of solutions in the non-minimal $O(3)$ -sigma model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 829, 137042.	1.5	3

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91	The superspace gauging of (2, 0) non-linear sigma models in the presence of torsion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 279, 75-77.	1.5	1
92	Some results on the quantum corrections to (2,0)-supersymmetric gauge theories. Classical and Quantum Gravity, 1993, 10, 1681-1688.	1.5	1
93	Consistent deformations method applied to a topological coupling of antisymmetric gauge fields in D=3. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 300-304.	1.5	1
94	Gauge hierarchy from a topological viewpoint?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 600, 151-156.	1.5	1
95	DIRAC QUANTIZATION OF A NONMINIMAL GAUGED O(3) SIGMA MODEL. Modern Physics Letters A, 2005, 20, 1005-1012.	0.5	1
96	SPACETIME AS A DEFORMABLE SOLID. Modern Physics Letters A, 2009, 24, 1209-1217.	0.5	1
97	Corrections to Newton's law of gravitation - application to hybrid Bloch brane. Journal of Physics: Conference Series, 2018, 965, 012002.	0.3	1
98	Remarks on Topological Models and Fractional Statistics. Brazilian Journal of Physics, 2001, 31, 277-284.	0.7	1
99	Reply to comment on "The relativistic Aharonov-Bohm-Coulomb system with position-dependent mass". Journal of Physics A: Mathematical and Theoretical, 2021, 54, 028002.	0.7	1
100	Torsion braneworlds in a tensor-vector gravity. International Journal of Modern Physics D, 2022, 31, .	0.9	1
101	Differential configurational complexity and phase transitions of the BPS solutions in the O(3)-sigma model. Annals of Physics, 2022, , 168904.	1.0	1
102	Mass generation for non-Abelian antisymmetric tensor fields in a three-dimensional space-time. Physical Review D, 2001, 63, .	1.6	0
103	TOPOLOGICAL GRAVITY LOCALIZATION ON A \hat{T} -FUNCTION LIKE BRANE. Modern Physics Letters A, 2007, 22, 2939-2946.	0.5	0
104	TOPOLOGICAL AND EQUIVALENT MODELS ON BRANE-WORLDS. Modern Physics Letters A, 2007, 22, 1503-1511.	0.5	0
105	Generating mass and topological terms to the antisymmetric tensor matter field by Higgs mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 279-281.	1.5	0
106	A note on the fuzzy sphere area spectrum, black-hole luminosity and the quantum nature of spacetime. Europhysics Letters, 2015, 110, 30003.	0.7	0
107	Graviton KK resonant modes in the correction of Newton's law from six-dimensional braneworlds. Europhysics Letters, 2019, 125, 40001.	0.7	0
108	BIPARTITE FINSLER SPACES AND THE BUMBLEBEE MODEL. , 2014, , 258-260.		0

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109	Exponentially generalized vortex. Europhysics Letters, 0, , .	0.7	0