Fabiano M Andrade

List of Publications by Year
in descending order

42 papers	752 citations	471509 17 h-index	552781 26 g-index
43 all docs	43 docs citations	43 times ranked	294 citing authors

#	Article	IF	Citations
1	Physical regularization for the spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>Aharonov-Bohm problem in conical space. Physical Review D, 2012, 85, .	4.7	60
2	Effects of spin on the dynamics of the 2D Dirac oscillator in the magnetic cosmic string background. European Physical Journal C, 2014, 74, 1.	3.9	53
3	Effects of quantum deformation on the spin-1/2 Aharonovâ€"Bohm problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 467-471.	4.1	48
4	The DKP oscillator with a linear interaction in the cosmic string space-time. European Physical Journal C, 2018, 78, 1.	3.9	41
5	Nonrelativistic quantum dynamics on a cone with and without a constraining potential. Journal of Mathematical Physics, 2012, 53, .	1.1	39
6	Quantum state transfer in optomechanical arrays. Physical Review A, 2016, 93, .	2.5	39
7	On the Îº-Dirac oscillator revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 327-330.	4.1	37
8	Remarks on the Aharonov-Casher dynamics in a CPT-odd Lorentz-violating background. Europhysics Letters, 2013, 101, 51005.	2.0	36
9	Scattering and bound states for the HulthÃ©n potential in a cosmic string background. European Physical Journal C, 2017, 77, 1.	3.9	33
10	On the spin- 1/2 Aharonovâ€"Bohm problem in conical space: Bound states, scattering and helicity nonconservation. Annals of Physics, 2013, 339, 510-530.	2.8	31
11	Quantum motion of a point particle in the presence of the Aharonovâ€"Bohm potential in curved space. Annals of Physics, 2015, 362, 739-751.	2.8	29
12	On the 2D Dirac oscillator in the presence of vector and scalar potentials in the cosmic string spacetime in the context of spin and pseudospin symmetries. European Physical Journal C, 2019, 79, 1.	3.9	27
13	On Aharonovâ€"Casher bound states. European Physical Journal C, 2013, 73, 1.	3.9	26
14	Equivalence between discrete quantum walk models in arbitrary topologies. Physical Review A, 2009, 80, .	2.5	23
15	Remarks on the Dirac oscillator in (2 + 1) dimensions. Europhysics Letters, 2014, 108, 30003.	2.0	20
16	The 2D Îº -Dirac oscillator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 44-47.	4.1	20
17	Greenâ€™s function approach for quantum graphs: An overview. Physics Reports, 2016, 647, 1-46.	25.6	20
18	On Aharonovâ€"Casher scattering in a CPT-odd Lorentz-violating background. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 075007.	3.6	17

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19	Exact Green's function for rectangular potentials and its application to quasi-bound states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1461-1468.	2.1	14
20	A generalized semiclassical expression for the eigenvalues of multiple well potentials. Journal of Physics A, 2003, 36, 227-239.	1.6	13
21	Effects of quantum deformation on the integer quantum Hall effect. Europhysics Letters, 2016, 116, 31002.	2.0	12
22	Basin entropy behavior in a cyclic model of the rock-paper-scissors type. Europhysics Letters, 2019, 125, 58003.	2.0	11
23	Narrow peaks of full transmission in simple quantum graphs. Physical Review A, 2019, 100, .	2.5	10
24	Unveiling and exemplifying the unitary equivalence of discrete time quantum walk models. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 165302.	2.1	9
25	Unitary equivalence between the Green's function and SchrÃ¶dinger approaches for quantum graphs. Physical Review A, 2018, 98, .	2.5	9
26	Green-function approach for scattering quantum walks. Physical Review A, 2011, 84, .	2.5	8
27	Modifications of Electron States, Magnetization, and Persistent Current in a Quantum Dot by Controlled Curvature. Annalen Der Physik, 2019, 531, 1900254.	2.4	8
28	Simple quantum graphs proposal for quantum devices. European Physical Journal Plus, 2020, 135, 1.	2.6	8
29	The Exact Solution for the Dirac Equation with the Cornell Potential. Few-Body Systems, 2014, 55, 1055-1056.	1.5	7
30	Scattering and Bound States of a Spin-1/2 Neutral Particle in the Cosmic String Spacetime. Advances in High Energy Physics, 2017, 2017, 1-7.	1.1	7
31	Study of electronic properties, magnetization and persistent currents in a mesoscopic ring by controlled curvature. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 132, 114760.	2.7	6
32	Self-Adjoint Extension Approach for Singular Hamiltonians in (2 + 1) Dimensions. Frontiers in Physics, 2019, 7, .	2.1	5
33	Enhancement of photon creation through the pseudo-Hermitian Dynamical Casimir Effect. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126945.	2.6	5
34	2-Mercaptobenzoxazole pentacyanoferrate(II/III) complexes: UV-Visible, MÃ¶ssbauer, electron paramagnetic resonance, electrochemistry and molecular modeling. Journal of the Brazilian Chemical Society, 2004, 15, 10-15.	0.6	4
35	Superdiffusivity of quantum walks: A Feynman sum-over-paths description. Physical Review A, 2012, 86, .	2.5	4
36	Effects of quantum deformation on the Jaynes-Cummings and anti-Jaynes-Cummings models. Physical Review A, 2022, 105, .	2.5	3

#	Article	IF	Citations
37	Average scattering entropy of quantum graphs. Physical Review A, 2021, 103, .	2.5	2
38	Quantum motion of a spinless particle in curved space: A viewpoint of scattering theory. Europhysics Letters, 2019, 128, 10002.	2.0	1
39	POLES OF S-MATRIX: 1D WELL/BARRIER POTENTIAL. , 2018, , .		0
40	MAPEAMENTO EXATO ENTRE O OSCILADOR DE DIRAC E O SISTEMA DE JAYNES-CUMMINGS EM (2+1). , 2018, , .		0
41	CONSTRUÃ‡ÃƒO DA FUNÃ‡ÃƒO DE GREEN PARA O POÃ‡O DE POTENCIAL QUADRADO. , 2018, , .		0
42	Average scattering entropy for periodic, aperiodic and random distribution of vertices in simple quantum graphs. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 141, 115217.	2.7	0