Larbi Guechi

List of Publications by Year
in descending order

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38 papers	396 citations	933447 10 h-index	794594 19 g-index
38 all docs	38 docs citations	38 times ranked	87 citing authors

#	Article	IF	Citations
1	Analytical approximations to the l-wave solutions of the Kleinâ€“Gordon equation with position-dependent mass for mixed vector and scalar HulthÃ©n-type potentials by using SUSYQM approach. Indian Journal of Physics, 2022, 96, 1105-1116.	1.8	4
2	Exact solutions for bound states of nonrelativistic $${{mathcal {PT}}}$$-symmetric potentialsÂby using SUSYQM approach: quadraticÂpotential and hyperbolic SchiÃ¶berg-type potential. Indian Journal of Physics, 2021, 95, 1445-1452.	1.8	3
3	Comment on â€œSolutions of the Dirac equation with an improved expression of the Rosenâ€“Morse potential energy model including Coulomb-like tensor interactionâ€• Canadian Journal of Physics, 2019, 97, 1167-1169.	1.1	0
4	Comment on â€œApproximate Analytical Versus Numerical Solutions of SchrÃ¶dinger Equation Under Molecular Hua Potentialâ€• International Journal of Quantum Chemistry, 2019, 119, e25955.	2.0	2
5	Complete non-relativistic bound state solutions of the Tietz-Wei potential via the path integral approach. European Physical Journal Plus, 2019, 134, 1.	2.6	2
6	Path integral discussion of the improved Tietz potential. Journal of Mathematical Physics, 2018, 59, 042108.	1.1	3
7	Approximate path integral solution for a Dirac particle in a deformed HulthÃ©n potential. Physics of Particles and Nuclei Letters, 2017, 14, 435-443.	0.4	1
8	Comment on â€œthe rotation-vibration spectrum of diatomic molecules with the Tietz-Hua rotating oscillatorâ€• International Journal of Quantum Chemistry, 2017, 117, e25334.	2.0	3
9	Path integral solution for a Kleinâ€“Gordon particle in vector and scalar deformed radial Rosenâ€“Morse-type potentials. Indian Journal of Physics, 2017, 91, 1561-1569.	1.8	8
10	Path integral solution for a deformed radial Rosenâ€“Morse potential. Indian Journal of Physics, 2017, 91, 259-262.	1.8	3
11	Comment on â€œApproximate solutions of the Dirac equation for the Rosen-Morse potential including the spin-orbit centrifugal termâ€•[J. Math. Phys. 51, 023525 (2010)]. Journal of Mathematical Physics, 2016, 57, .	1.1	3
12	Bound States for a Kleinâ€“Gordon Particle in Vector Plus Scalar Generalized HulthÃ©n Potentials in D Dimensions. Few-Body Systems, 2016, 57, 229-239.	1.5	4
13	Path Integral Solution for the Coulomb Potential in a Curved Space of Constant Positive Curvature. International Journal of Theoretical Physics, 2016, 55, 2653-2667.	1.2	0
14	Bound and scattering state solutions of a hyperbolic-type potential. Canadian Journal of Physics, 2013, 91, 120-125.	1.1	2
15	Path integral solutions for Kleinâ€“Gordon particle in vector plus scalar generalized HulthÃ©n and Woodsâ€“Saxon potentials. Journal of Mathematical Physics, 2010, 51, .	1.1	12
16	Comment on: â€œAny l-state solutions of the Kleinâ€“Gordon equation with the generalized HulthÃ©n potentialâ€• Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 7199-7200.	2.1	8
17	Comment on â€˜shape invariance and the supersymmetry WKB approximation for a diatomic molecule potentialâ€™. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 4915-4921.	2.1	1
18	Exact path integral treatment of a diatomic molecule potential. Journal of Mathematical Physics, 2007, 48, 032102.	1.1	13

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19	Unified path integral treatment for generalized HulthÃ©n and Woodsâ€“Saxon potentials. Annals of Physics, 2007, 322, 2179-2194.	2.8	4
20	Comment on: â€œExact bound state solutions of the s-wave Kleinâ€“Gordon equation with the generalized HulthÃ©n potentialâ€•[Phys. Lett. A 331 (2004) 374]. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 498-500.	2.1	9
21	Path Integral for a Pair of Time-Dependent Coupled and Driven Oscillators. European Physical Journal D, 2003, 53, 717-725.	0.4	9
22	Similarity transformations approach for a generalized Fokker-Planck equation. Europhysics Letters, 2001, 56, 8-14.	2.0	2
23	Algebraic treatment of super-integrable potentials. Journal of Mathematical Physics, 2001, 42, 4684-4706.	1.1	8
24	Algebraic treatment of the confluent Natanzon potentials. Europhysics Letters, 2000, 51, 479-484.	2.0	5
25	Relativistic particles in interaction with a plane wave plus a parallel magnetic field: a path integral treatment. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1996, 111, 99-110.	0.2	8
26	Path integral for Klein-Gordon particle in vector plus scalar HulthÃ©n-type potentials. Physica A: Statistical Mechanics and Its Applications, 1996, 234, 529-544.	2.6	48
27	Path integral treatment for the generalized Ginocchio potentials. European Physical Journal D, 1995, 45, 699-710.	0.4	4
28	Algebraic treatment of the Kaluzaâ€“Klein monopole system. Journal of Mathematical Physics, 1995, 36, 1016-1028.	1.1	3
29	Schwinger method for particles of spin zero and 1/2 in the field of plane wave plus a constant magnetic field. Physica Scripta, 1995, 52, 9-16.	2.5	3
30	Path integral for the damped harmonic oscillator coupled to its dual. Journal of Mathematical Physics, 1994, 35, 1185-1191.	1.1	3
31	Construction of the Green's function for the Morse potential. European Physical Journal D, 1993, 43, 13-17.	0.4	8
32	Path integral treatment for the oneâ€dimensional Natanzon potentials. Journal of Mathematical Physics, 1993, 34, 1257-1269.	1.1	10
33	Path integral for particles of spin zero and 1/2 in the field of an electromagnetic plane wave. Physica Scripta, 1992, 46, 289-294.	2.5	21
34	Algebraic treatment of a general noncentral potential. Journal of Mathematical Physics, 1992, 33, 3410-3418.	1.1	37
35	Path integral treatment for a screened potential. Journal of Mathematical Physics, 1991, 32, 441-446.	1.1	32
36	Exact path integral solution of the Coulomb plus Aharonovâ€“Bohm potential. Journal of Mathematical Physics, 1989, 30, 655-658.	1.1	37

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37	Generalized canonical transformations and path integrals. Physical Review A, 1989, 40, 1157-1164.	2.5	28
38	Exact path integral for the ring potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 277-281.	2.1	45