Guo-Hua Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2724822/publications.pdf

Version: 2024-02-01

68	2,090	257450	243625
papers	citations	24 h-index	44 g-index

69	69	69	482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shannon entropy of asymmetric rectangular multiple well with unequal width barrier. Results in Physics, 2022, 33, 105109.	4.1	8
2	Entanglement measures of a pentapartite W-class state in the noninertial frame. Quantum Information Processing, 2022, 21, 1.	2.2	4
3	Exact solution of rigid planar rotor in external electric field. Results in Physics, 2022, 34, 105330.	4.1	6
4	Exact solutions of an asymmetric double well potential. Journal of Mathematical Chemistry, 2022, 60, 605.	1.5	3
5	Exact solutions of the 2D SchrÃ¶dinger equation with the inverse square root potential. Laser Physics, 2022, 32, 035202.	1.2	1
6	Quantum Information Entropies on Hyperbolic Single Potential Wells. Entropy, 2022, 24, 604.	2.2	8
7	Alpha-Beta Hybrid Quantum Associative Memory Using Hamming Distance. Entropy, 2022, 24, 789.	2.2	0
8	Shannon entropies of asymmetric multiple quantum well systems with a constant total length. European Physical Journal Plus, 2021, 136, 1.	2.6	9
9	Tetrapartite entanglement measures of GHZ state with nonuniform acceleration. Optik, 2020, 201, 163487.	2.9	9
10	Tetrapartite entanglement features of W-Class state in uniform acceleration. Frontiers of Physics, 2020, 15, 1.	5.0	20
11	Exact solutions of the harmonic oscillator plus non-polynomial interaction. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200050.	2.1	6
12	Semi-exact solutions of sextic potential plus a centrifugal term. Journal of Mathematical Chemistry, 2020, 58, 2197-2203.	1.5	4
13	Exact solutions of the rigid rotor in the electric field. International Journal of Quantum Chemistry, 2020, 120, e26336.	2.0	8
14	Exact solutions of the 1D SchrÃ¶dinger equation with the Mathieu potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126480.	2.1	26
15	Exact solutions of a quartic potential. Modern Physics Letters A, 2019, 34, 1950208.	1.2	22
16	Exact solutions of the sine hyperbolic type potential. Journal of Mathematical Chemistry, 2019, 57, 1924-1931.	1.5	18
17	Exact solutions of a nonpolynomial oscillator related to isotonic oscillator. European Physical Journal Plus, 2019, 134, 1.	2.6	7
18	Entanglement property of the Werner state in accelerated frames. Quantum Information Processing, 2019, 18, 1.	2.2	20

#	Article	IF	Citations
19	Semi-exact Solutions of Konwent Potential. Communications in Theoretical Physics, 2019, 71, 231.	2.5	16
20	Tripartite Entanglement Measures of Generalized GHZ State in Uniform Acceleration[*]. Chinese Physics Letters, 2019, 36, 100301.	3.3	16
21	Entanglement measures of W-state in noninertial frames. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 93-105.	4.1	56
22	New findings for two new type sine hyperbolic potentials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 270-275.	2.1	28
23	Concurrence of three Jaynesâ€“Cummings systems. Quantum Information Processing, 2018, 17, 1.	2.2	18
24	Radial position-momentum uncertainties for the infinite circular well and Fisher entropy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1752-1759.	2.1	19
25	Shannon information entropies for rectangular multiple quantum well systems with constant total lengths*. Chinese Physics B, 2018, 27, 040301.	1.4	9
26	Exact Solutions of the Razavy Cosine Type Potential. Advances in High Energy Physics, 2018, 2018, 1-5.	1.1	8
27	Radial positionâ€“momentum uncertainties for the infinite spherical well and the Fisher entropy. Laser Physics Letters, 2018, 15, 115202.	1.4	8
28	Constructions of the Soluble Potentials for the Nonrelativistic Quantum System by Means of the Heun Functions. Advances in High Energy Physics, 2018, 2018, 1-8.	1.1	2
29	Semiexact Solutions of the Razavy Potential. Advances in High Energy Physics, 2018, 2018, 1-7.	1.1	10
30	Quantum information measures of infinite spherical well. Modern Physics Letters A, 2018, 33, 1850088.	1.2	23
31	Genuine multipartite concurrence for entanglement of Dirac fields in noninertial frames. Physical Review A, 2018, 98, .	2.5	54
32	An electron of helium atom under a high-intensity laser field. Laser Physics, 2017, 27, 026004.	1.2	3
33	Teleportation with two-dimensional electron gas formed at the interface of a GaAs heterostructure. Laser Physics, 2017, 27, 035201.	1.2	4
34	Quantum teleportation and information splitting via four-qubit cluster state and a Bell state. Frontiers of Physics, 2017, 12, 1.	5.0	21
35	Joint remote state preparation (JRSP) of two-qubit equatorial state in quantum noisy channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 581-587.	2.1	47
36	Analytical traveling-wave solutions to a generalized Grossâ€“Pitaevskii equation with some new time and space varying nonlinearity coefficients and external fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2978-2985.	2.1	9

#	Article	IF	Citations
37	Shannon and Fisher entropy measures for a parity-restricted harmonic oscillator. Laser Physics, 2017, 27, 125201.	1.2	17
38	Hydrogen atom in a laser-plasma. Laser Physics Letters, 2016, 13, 116003.	1.4	10
39	Semi-exact solutions to position-dependent mass SchrÃ¶dinger problem with a class of hyperbolic potential V0tanh(ax). European Physical Journal Plus, 2016, 131, 1.	2.6	30
40	JRSP of three-particle state via three tripartite GHZ class in quantum noisy channels. International Journal of Quantum Information, 2016, 14, 1650034.	1.1	25
41	Hydrogen atom in a quantum plasma environment under the influence of Aharonov-Bohm flux and electric and magnetic fields. Physical Review E, 2016, 93, 053201.	2.1	26
42	Exact solutions to solitonic profile mass SchrÃ¶dinger problem with a modified PÃ¶schlâ€“Teller potential. Modern Physics Letters A, 2016, 31, 1650017.	1.2	28
43	Shannon information entropy for an infinite circular well. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1402-1408.	2.1	59
44	Shannon information entropy for a hyperbolic doubleâ€well potential. International Journal of Quantum Chemistry, 2015, 115, 891-899.	2.0	77
45	Quantum information entropy for a hyperbolical potential function. Physica Scripta, 2015, 90, 035205.	2.5	61
46	A New Kind of Shift Operators for Infinite Circular and Spherical Wells. Advances in Mathematical Physics, 2014, 2014, 1-7.	0.8	1
47	Quantum information entropies for a squared tangent potential well. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 124-130.	2.1	72
48	Quantum information entropies for position-dependent mass SchrÃ¶dinger problem. Annals of Physics, 2014, 348, 153-160.	2.8	83
49	Surface Effects in the Hydrogen Atom Confined by Dihedral Angles. , 2014, , 1-29.		2
50	Quantum information entropies for an asymmetric trigonometric Rosenâ€“Morse potential. Annalen Der Physik, 2013, 525, 934-943.	2.4	64
51	Quantum information entropies of the eigenstates for a symmetrically trigonometric Rosenâ€“Morse potential. Physica Scripta, 2013, 87, 045003.	2.5	47
52	ARBITRARY l-WAVE SOLUTIONS OF THE SCHRÃ–DINGER EQUATION FOR THE SCREEN COULOMB POTENTIAL. International Journal of Modern Physics E, 2013, 22, 1350036.	1.0	22
53	Quantum information entropies of the eigenstates for the PÃ¶schlâ€”Teller-like potential. Chinese Physics B, 2013, 22, 050302.	1.4	55
54	Relativistic Treatment of Spinless Particles Subject to a Tietzâ€”Wei Oscillator. Communications in Theoretical Physics, 2012, 58, 195-197.	2.5	34

#	Article	IF	Citations
55	Morse Potential in the Momentum Representation. Communications in Theoretical Physics, 2012, 58, 815-818.	2.5	6
56	NEW TYPE SHIFT OPERATORS FOR THREE-DIMENSIONAL INFINITE WELL POTENTIAL. Modern Physics Letters A, 2011, 26, 351-358.	1.2	8
57	Exactly complete solutions of the SchrÃ¶dinger equation with a spherically harmonic oscillatory ring-shaped potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 704-708.	2.1	122
58	New type shift operators for circular well potential in two dimensions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4112-4114.	2.1	11
59	Comment on â€œElectron in the Field of a Molecule with an Electric Dipole Momentâ€• Physical Review Letters, 2010, 104, 118901.	7.8	1
60	EXACT SOLUTIONS OF DIRAC EQUATION FOR A NEW SPHERICALLY ASYMMETRICAL SINGULAR OSCILLATOR. Modern Physics Letters A, 2010, 25, 2849-2857.	1.2	21
61	THE SOLUTION OF THE SECOND PÃ–SCHLâ€“TELLER LIKE POTENTIAL BY NIKIFOROVâ€“UVAROV METHOD. International Journal of Modern Physics E, 2010, 19, 123-129.	1.0	87
62	Analytical approximations to thel-wave solutions of the SchrÃ¶dinger equation with the Eckart potential. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 10535-10540.	2.1	162
63	Exact solutions and ladder operators for a new anharmonic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 94-103.	2.1	48
64	Series solutions of the SchrÃ¶dinger equation with position-dependent mass for the Morse potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 290-297.	2.1	181
65	An algebraic approach to the ring-shaped non-spherical oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 328, 299-305.	2.1	60
66	The series solutions of the non-relativistic equation with the Morse potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 314, 261-266.	2.1	64
67	Group theory approach to the Dirac equation with a Coulomb plus scalar potential in D+1 dimensions. Journal of Mathematical Physics, 2003, 44, 4467.	1.1	56
68	THE HIDDEN SYMMETRY FOR A QUANTUM SYSTEM WITH A PÃ–SCHLâ€“TELLER-LIKE POTENTIAL. International Journal of Modern Physics E, 2003, 12, 809-815.	1.0	20