

Alireza Dehghani

List of Publications by Year in descending order

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56
papers

535
citations

623734

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56
all docs

56
docs citations

56
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Parity Deformed Jaynes-Cummings Model: Robust Maximally Entangled States, Scientific Reports, 2016, 6, 38069.	3.3	38
2	Generalized $su(1,1)$ coherent states for pseudo harmonic oscillator and their nonclassical properties. European Physical Journal D, 2013, 67, 1.	1.3	26
3	Cat-states in the framework of Wigner-Heisenberg algebra. Annals of Physics, 2015, 362, 659-670.	2.8	25
4	Entanglement transfer in a noisy cavity network with parity-deformed fields. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1858.	2.1	22
5	Coherency of $su(1,1)$ -Barut-Girardello type and entanglement for spherical harmonics. Journal of Mathematical Physics, 2009, 50, 052104.	1.1	18
6	New nonlinear coherent states based on hypergeometric-type operators. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 095304.	2.1	18
7	Even and odd Wigner negative binomial states: Nonclassical properties. Modern Physics Letters A, 2015, 30, 1550198.	1.2	18
8	The minimum-uncertainty coherent states for Landau levels. Journal of Mathematical Physics, 2012, 53, .	1.1	17
9	Generation of photon-added coherent states via photon-subtracted generalised coherent states. European Physical Journal D, 2014, 68, 1.	1.3	17
10	Approach of the associated Laguerre functions to the $su(1,1)$ coherent states for some quantum solvable models. International Journal of Quantum Chemistry, 2009, 109, 1228-1236.	2.0	16
11	Even and odd λ -deformed binomial states: minimum uncertainty states. European Physical Journal Plus, 2017, 132, 1.	2.6	16
12	Excitation on the para-Bose states: Nonclassical properties. European Physical Journal Plus, 2018, 133, 1.	2.6	16
13	Nonlinear coherent states of the para-Bose oscillator and their non-classical features. European Physical Journal Plus, 2018, 133, 1.	2.6	15
14	Interaction of a para-Bose state with two two-level atoms: control of dissipation by a local classical field. European Physical Journal Plus, 2020, 135, 1.	2.6	15
15	New physics in Landau levels. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 385303.	2.1	14
16	New class of generalized photon-added coherent states and some of their non-classical properties. Physica Scripta, 2014, 89, 085202.	2.5	13
17	Enhancing entanglement of entangled coherent states via a f -deformed photon-addition operation. European Physical Journal Plus, 2019, 134, 1.	2.6	13
18	A quantum correlated heat engine based on the parity-deformed Jaynes-Cummings model: achieving the classical Carnot efficiency by a local classical field. Physica Scripta, 2021, 96, 115102.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Even and Odd Deformed Photon Added Nonlinear Coherent States. International Journal of Theoretical Physics, 2016, 55, 421-431.	1.2	12
20	Generalized su(2) coherent states for the Landau levels and their nonclassical properties. European Physical Journal D, 2013, 67, 1.	1.3	10
21	Thermal Entanglement Between Two Two-Level Atoms in a Two-Photon Jaynes-Cummings Model with an Added Kerr Medium. International Journal of Theoretical Physics, 2018, 57, 3396-3409.	1.2	10
22	Spin-Bath Dynamics in a Quantum Resonator-Qubit System: Effect of a Mechanical Resonator Coupled to a Central Qubit. International Journal of Theoretical Physics, 2020, 59, 3107-3123.	1.2	10
23	Photon added coherent states of the parity deformed oscillator. Modern Physics Letters A, 2019, 34, 1950104.	1.2	9
24	Entanglement dynamics of two coupled spins interacting with an adjustable spin bath: effect of an exponential variable magnetic field. Quantum Information Processing, 2020, 19, 1.	2.2	9
25	New Even and ODD Coherent States Attached to the Hermite Polynomials. Reports on Mathematical Physics, 2015, 75, 267-277.	0.8	8
26	“Near”-Cat States: Nonclassicality and Generation. Journal of Russian Laser Research, 2019, 40, 121-131.	0.6	8
27	Superposition of two-mode “Near”-coherent states: non-classicality and entanglement. Quantum Information Processing, 2019, 18, 1.	2.2	8
28	General displacedSU(1, 1) number states: Revisited. Journal of Mathematical Physics, 2014, 55, 043502.	1.1	7
29	Nonclassical properties of generalized four-photon coherent states. European Physical Journal D, 2017, 71, 1.	1.3	7
30	Maximal steady-state entanglement and perfect thermal rectification in non-equilibrium interacting XXZ chains. European Physical Journal Plus, 2021, 136, 1.	2.6	7
31	New Generalized Coherent States Arising from Generating Functions: A Novel Approach. Reports on Mathematical Physics, 2015, 75, 47-61.	0.8	6
32	New Semi Coherent States: Nonclassical Properties. International Journal of Theoretical Physics, 2015, 54, 3507-3515.	1.2	6
33	Minimum Uncertainty Coherent States Attached to Nondegenerate Parametric Amplifiers. Brazilian Journal of Physics, 2015, 45, 265-271.	1.4	6
34	Superposition of single-mode para-Bose coherent states: Generation and nonclassical properties. International Journal of Modern Physics A, 2018, 33, 1850134.	1.5	6
35	Nonclassical properties and polarization degree of photon-subtracted entangled nonlinear coherent states. International Journal of Modern Physics B, 2019, 33, 1950230.	2.0	6
36	Ground state and thermal entanglement between two two-level atoms interacting with a nondegenerate parametric amplifier: Different sub-spaces. International Journal of Modern Physics B, 2019, 33, 1950035.	2.0	6

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37	Photon-added entangled Barutâ€“Girardello coherent states: non-classicality and generation. European Physical Journal Plus, 2020, 135, 1.	2.6	6
38	Entanglement dynamics of a nano-mechanical resonator coupled to a central qubit. Quantum Information Processing, 2022, 21, 1.	2.2	6
39	Generation of excited coherent states for a charged particle in a uniform magnetic field. Journal of Mathematical Physics, 2015, 56, 041704.	1.1	5
40	Photon-added and photon-depleted â€œsemiâ€œcoherent field: Non-classical properties. European Physical Journal Plus, 2017, 132, 1.	2.6	5
41	Excitation and depression of coherent state of the simple harmonic oscillator. Journal of Mathematical Physics, 2019, 60, 083501.	1.1	5
42	Two-Qutrit Entangled f-Coherent States. Reports on Mathematical Physics, 2021, 87, 111-127.	0.8	5
43	New ladder operators for the monopole harmonics. Journal of Mathematical Physics, 2007, 48, 023510.	1.1	4
44	Spherical harmonics: coherent states constructed by the second lowest and second highest bases of $su(1, 1)$ Lie algebra. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 085301.	2.1	4
45	Quantum simulation dynamics and circuit synthesis of FMO complex on an NMR quantum computer. International Journal of Quantum Information, 2020, 18, 2050034.	1.1	4
46	COHERENT STATES AND SCHWINGER MODELS FOR PSEUDO GENERALIZATION OF THE HEISENBERG ALGEBRA. Modern Physics Letters A, 2009, 24, 2039-2051.	1.2	3
47	Semi-Cats: Nonclassicality and Generation. Journal of Russian Laser Research, 2018, 39, 222-230.	0.6	3
48	Damping in the Interaction of a Two-Photon Field and a Two-Level Atom Through Quantized Caldirola-Kanai Hamiltonian. International Journal of Theoretical Physics, 2019, 58, 865-877.	1.2	3
49	Entangled nonlinear coherent-squeezed states: inhibition of depolarization and disentanglement. Applied Physics B: Lasers and Optics, 2022, 128, 1.	2.2	3
50	Comments on â€œGazeauâ€œKlauder coherent states for trigonometric Rosenâ€œMorse potentialâ€œ. J. Math. Phys. 49, 022104 (2008)]. Journal of Mathematical Physics, 2008, 49, 052101.	1.1	2
51	MONOPOLES OVER FUZZY TWO-SPHERE BY ONE SEQUENCE OF THE IRREPS OF $SU(2)$. Modern Physics Letters A, 2011, 26, 2973-2981.	1.2	2
52	Comment on â€œBarutâ€œGirardello and Klauderâ€œPerelomov coherent states for the Kravchuk functionsâ€œ. [J. Math. Phys. 48, 112106 (2007)]. Journal of Mathematical Physics, 2008, 49, 042101.	1.1	1
53	Discrete representations for the deformed $su(1, 1)$ algebra via the magnetic monopole harmonics. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 295302.	2.1	1
54	Quantum Correlations of Two Relativistic Spin- $\frac{1}{2}$ Particles Under Noisy Channels. International Journal of Theoretical Physics, 2016, 55, 678-697.	1.2	1

#	ARTICLE	IF	CITATIONS
55	Vector Product Approach of Producing Non-Gaussian States. International Journal of Theoretical Physics, 2021, 60, 3885.	1.2	1
56	Comments on "Barut-Girardello Coherent States for the Parabolic Cylinder Functions". International Journal of Theoretical Physics, 2009, 48, 369-372.	1.2	0