

Alireza Dehghani

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

535
citations

623734

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794594

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g-index

56
all docs

56
docs citations

56
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Entanglement dynamics of a nano-mechanical resonator coupled to a central qubit. Quantum Information Processing, 2022, 21, 1.	2.2	6
2	Entangled nonlinear coherent-squeezed states: inhibition of depolarization and disentanglement. Applied Physics B: Lasers and Optics, 2022, 128, 1.	2.2	3
3	Maximal steady-state entanglement and perfect thermal rectification in non-equilibrium interacting XXZ chains. European Physical Journal Plus, 2021, 136, 1.	2.6	7
4	Two-Qutrit Entangled f-Coherent States. Reports on Mathematical Physics, 2021, 87, 111-127.	0.8	5
5	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
6	Vector Product Approach of Producing Non-Gaussian States. International Journal of Theoretical Physics, 2021, 60, 3885.	1.2	1
7	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
8	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
9	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
10	Photon-added entangled Barut-Girardello coherent states: non-classicality and generation. European Physical Journal Plus, 2020, 135, 1.	2.6	6
11	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
12	Excitation and depression of coherent state of the simple harmonic oscillator. Journal of Mathematical Physics, 2019, 60, 083501.	1.1	5
13	Nonclassical properties and polarization degree of photon-subtracted entangled nonlinear coherent states. International Journal of Modern Physics B, 2019, 33, 1950230.	2.0	6
14	Enhancing entanglement of entangled coherent states via a f-deformed photon-addition operation. European Physical Journal Plus, 2019, 134, 1.	2.6	13
15	$\tilde{\text{Near}}^{\text{TM}}$ -Cat States: Nonclassicality and Generation. Journal of Russian Laser Research, 2019, 40, 121-131.	0.6	8
16	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
17	Superposition of two-mode $\tilde{\text{Near}}$ -coherent states: non-classicality and entanglement. Quantum Information Processing, 2019, 18, 1.	2.2	8
18	Photon added coherent states of the parity deformed oscillator. Modern Physics Letters A, 2019, 34, 1950104.	1.2	9

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Nonlinear coherent states of the para-Bose oscillator and their non-classical features. European Physical Journal Plus, 2018, 133, 1.	2.6	15
22	Excitation on the para-Bose states: Nonclassical properties. European Physical Journal Plus, 2018, 133, 1.	2.6	16
23	Semi-Cats: Nonclassicality and Generation. Journal of Russian Laser Research, 2018, 39, 222-230.	0.6	3
24	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
25	Superposition of single-mode para-Bose coherent states: Generation and nonclassical properties. International Journal of Modern Physics A, 2018, 33, 1850134.	1.5	6
26	Even and odd λ -deformed binomial states: minimum uncertainty states. European Physical Journal Plus, 2017, 132, 1.	2.6	16
27	Photon-added and photon-depleted α -semi-coherent field: Non-classical properties. European Physical Journal Plus, 2017, 132, 1.	2.6	5
28	Nonclassical properties of generalized four-photon coherent states. European Physical Journal D, 2017, 71, 1.	1.3	7
29	Parity Deformed Jaynes-Cummings Model: α -Robust Maximally Entangled States. Scientific Reports, 2016, 6, 38069.	3.3	38
30	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
31	Even and Odd Deformed Photon Added Nonlinear Coherent States. International Journal of Theoretical Physics, 2016, 55, 421-431.	1.2	12
32	Generation of excited coherent states for a charged particle in a uniform magnetic field. Journal of Mathematical Physics, 2015, 56, 041704.	1.1	5
33	New Generalized Coherent States Arising from Generating Functions: A Novel Approach. Reports on Mathematical Physics, 2015, 75, 47-61.	0.8	6
34	New Even and ODD Coherent States Attached to the Hermite Polynomials. Reports on Mathematical Physics, 2015, 75, 267-277.	0.8	8
35	New Semi Coherent States: Nonclassical Properties. International Journal of Theoretical Physics, 2015, 54, 3507-3515.	1.2	6
36	Minimum Uncertainty Coherent States Attached to Nondegenerate Parametric Amplifiers. Brazilian Journal of Physics, 2015, 45, 265-271.	1.4	6

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37	Even and odd Wigner negative binomial states: Nonclassical properties. <i>Modern Physics Letters A</i> , 2015, 30, 1550198.	1.2	18
38	Cat-states in the framework of Wigner–Heisenberg algebra. <i>Annals of Physics</i> , 2015, 362, 659-670.	2.8	25
39	Generation of photon-added coherent states via photon-subtracted generalised coherent states. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	17
40	General displaced $SU(1, 1)$ number states: Revisited. <i>Journal of Mathematical Physics</i> , 2014, 55, 043502.	1.1	7
41	New class of generalized photon-added coherent states and some of their non-classical properties. <i>Physica Scripta</i> , 2014, 89, 085202.	2.5	13
42	Generalized $su(1,1)$ coherent states for pseudo harmonic oscillator and their nonclassical properties. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	26
43	Generalized $su(2)$ coherent states for the Landau levels and their nonclassical properties. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	10
44	New physics in Landau levels. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 385303.	2.1	14
45	The minimum-uncertainty coherent states for Landau levels. <i>Journal of Mathematical Physics</i> , 2012, 53, .	1.1	17
46	New nonlinear coherent states based on hypergeometric-type operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 095304.	2.1	18
47	Spherical harmonics: coherent states constructed by the second lowest and second highest bases of $su(1, 1)$ Lie algebra. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 085301.	2.1	4
48	MONOPOLES OVER FUZZY TWO-SPHERE BY ONE SEQUENCE OF THE IRREPS OF $SU(2)$. <i>Modern Physics Letters A</i> , 2011, 26, 2973-2981.	1.2	2
49	COHERENT STATES AND SCHWINGER MODELS FOR PSEUDO GENERALIZATION OF THE HEISENBERG ALGEBRA. <i>Modern Physics Letters A</i> , 2009, 24, 2039-2051.	1.2	3
50	Comments on “Barut-Girardello Coherent States for Parabolic Cylinder Functions”: <i>International Journal of Theoretical Physics</i> , 2009, 48, 369-372.	1.2	0
51	Approach of the associated Laguerre functions to the $su(1,1)$ coherent states for some quantum solvable models. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1228-1236.	2.0	16
52	Coherency of $su(1,1)$ -Barut–Girardello type and entanglement for spherical harmonics. <i>Journal of Mathematical Physics</i> , 2009, 50, 052104.	1.1	18
53	Comments on “Gazeau–Klauder coherent states for trigonometric Rosen–Morse potential”. <i>J. Math. Phys.</i> 49, 022104 (2008)]. <i>Journal of Mathematical Physics</i> , 2008, 49, 052101.	1.1	2
54	Comment on “Barut–Girardello and Klauder–Perelomov coherent states for the Kravchuk functions”. <i>J. Math. Phys.</i> 48, 112106 (2007)]. <i>Journal of Mathematical Physics</i> , 2008, 49, 042101.	1.1	1

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55	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
56	New ladder operators for the monopole harmonics. Journal of Mathematical Physics, 2007, 48, 023510.	1.1	4