A-S F Obada

List of Publications by Year
in descending order

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208 papers	2,482 citations	201674 27 h-index	330143 37 g-index
210 all docs	210 docs citations	210 times ranked	548 citing authors

#	Article	IF	Citations
1	Quantum Fisher information for a qubit system placed inside a dissipative cavity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1412-1416.	2.1	77
2	A two-dimensional image segmentation method based on genetic algorithm and entropy. Optik, 2017, 131, 414-422.	2.9	67
3	N-level atom andN-1modes: Statistical aspects and interaction with squeezed light. Physical Review A, 1987, 35, 1634-1647.	2.5	64
4	Engineering entanglement of a general three-level system interacting with a correlated two-mode nonlinear coherent state. European Physical Journal D, 2003, 23, 155-165.	1.3	48
5	Entanglement evaluation with atomic Fisher information. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 891-898.	2.6	47
6	Quantum information and entropy squeezing of a two-level atom with a non-linear medium. Journal of Physics A, 2001, 34, 9129-9141.	1.6	43
7	Degree of entanglement for anisotropic coupled oscillators interacting with a single atom. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 396-401.	1.4	42
8	Entanglement generation and entropy growth due to intrinsic decoherence in the Jaynes-Cummings model. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1535.	2.1	42
9	Influence of Kerr-like medium on a nonlinear two-level atom. Chaos, Solitons and Fractals, 2006, 28, 983-993.	5.1	42
10	Entropy squeezing of a two-mode multiphoton Jaynes-Cummings model in the presence of a nonlinear medium. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 134-142.	1.4	38
11	Entanglement sudden death of a SC-qubit strongly coupled with a quantized mode of a lossy cavity. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 519-524.	2.6	38
12	The effects of thermal photons on entanglement dynamics for a dispersive Jaynesâ€“Cummings model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3699-3706.	2.1	36
13	Amplitude-squared squeezing of the Jaynes-Cummings model. Physical Review A, 1989, 40, 4476-4480.	2.5	35
14	Pancharatnam Phase of Two-Mode Optical Fields with Kerr Nonlinearity. Optical Review, 2000, 7, 499-504.	2.0	35
15	Entropy and phase properties of isotropic coupled oscillators interacting with a single atom: one-and two-photon processes. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S133-S141.	1.4	35
16	Von Neumann entropy and phase distribution of two mode parametric amplifier interacting with a single atom. Annals of Physics, 2005, 318, 266-285.	2.8	35
17	Entanglement degree of a nonlinear multiphoton Jaynes-Cummings model. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 37-43.	1.4	34
18	Effect of phase-damped cavity on dynamics of tangles of a nondegenerate two-photon JC model. Optics Communications, 2008, 281, 5189-5193.	2.1	34

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19	New features of Wehrl entropy and Wehrl PD of a single Cooper-pair box placed inside a dissipative cavity. Annals of Physics, 2010, 325, 2542-2549.	2.8	34
20	Entropy squeezing of time dependent single-mode Jaynesâ€“Cummings model in presence of non-linear effect. Chaos, Solitons and Fractals, 2008, 36, 405-417.	5.1	32
21	Implementing discrete quantum Fourier transform via superconducting qubits coupled to a superconducting cavity. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1178.	2.1	32
22	Efficient protocol of $$N$$ N -bit discrete quantum Fourier transform via transmon qubits coupled to a resonator. Quantum Information Processing, 2014, 13, 475-489.	2.2	32
23	Entropy squeezing of a driven two-level atom in a cavity with injected squeezed vacuum. Chaos, Solitons and Fractals, 2005, 26, 1293-1307.	5.1	31
24	Single-atom entropy squeezing for two two-level atoms interacting with a single-mode radiation field. Optics Communications, 2008, 281, 2854-2863.	2.1	31
25	Entropies and Entanglement for Initial Mixed State in the Multi-quanta JC Model with the Stark Shift and Kerr-like Medium. International Journal of Theoretical Physics, 2007, 46, 1027-1044.	1.2	30
26	Entropies and entanglement for decoherence without energy relaxation in a two-level atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2241-2248.	1.5	29
27	Quantum teleportation via entangled states generated by the Jaynesâ€“Cummings model. Chaos, Solitons and Fractals, 2004, 22, 529-535.	5.1	28
28	Erasing information and purity of a quantum dot via its spontaneous decay. Solid State Communications, 2011, 151, 1824-1827.	1.9	28
29	Information quantifiersâ€™ description of weak field vs. strong field dynamics for a trapped ion in a laser field. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 525-533.	2.6	28
30	The quantum computational speed of a single Cooper-pair box. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1792-1797.	2.7	28
31	Generation of a nonlinear stark shift through the adiabatic elimination method. Optics Communications, 2005, 254, 76-87.	2.1	27
32	Influence of phase damping on the entanglement for the damped JC model in the pure and mixed states. Laser Physics, 2008, 18, 1111-1117.	1.2	27
33	Quantum optical thermodynamic machines: Lasing as relaxation. Physical Review E, 2009, 80, 061129.	2.1	27
34	New features of entanglement and other applications of a two-qubit system. Optics Communications, 2010, 283, 4662-4670.	2.1	27
35	Quantum correlations of two non-interacting ion's internal electronic states with intrinsic decoherence. Optics Communications, 2013, 309, 236-241.	2.1	27
36	Entanglement in a system of an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si37.gif" overflow="scroll"><mml:mrow><mml:mi mathvariant="normal">Îž</mml:mi></mml:mrow></mml:math>-type three-level atom interacting with a non-correlated two-mode cavity field in the presence of nonlinearities. Optics Communications, 2009, 282, 2184-2191.	2.1	25

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37	Variation from number- to chaotic-state fields: A generalized geometric state. Physical Review A, 1993, 48, 3174-3185.	2.5	24
38	Generation of a nonlinear two-mode Stark shift through the adiabatic elimination method. Journal of Modern Optics, 2006, 53, 1149-1163.	1.3	23
39	Generation and some non-classical properties of a finite dimensional pair coherent state. Optics Communications, 2006, 260, 19-24.	2.1	23
40	External Classical Field and Damping Effects on a Moving two Level atom in a Cavity Field Interaction with Kerr-like Medium. International Journal of Theoretical Physics, 2019, 58, 4012-4024.	1.2	22
41	Superpositions of squeezed displaced Fock states: Properties and generation. Journal of Modern Optics, 1999, 46, 263-278.	1.3	21
42	The influence of phase damping on a two-level atom in the presence of the classical laser field. Laser Physics, 2013, 23, 115201.	1.2	21
43	Influence of intrinsic decoherence on nonclassical effects in the nondegenerate bimodal multiquanta Jaynes-Cummings model. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 5085-5104.	1.5	20
44	Entangled states and information induced by the atomâ€“field interaction. Optics Communications, 2005, 250, 148-156.	2.1	20
45	Some statistical properties of the even and the odd negative binomial states. Journal of Physics A, 1997, 30, 81-97.	1.6	19
46	Effects of Stark shift and decoherence terms on the dynamics of phase-space entropy of the multiphoton Jaynes Cummings model. Physica Scripta, 2012, 86, 055009.	2.5	19
47	Death of entanglement and non-locality in a superconducting qubit-field entangled state in a thermal reservoir. Optics Communications, 2012, 285, 3027-3031.	2.1	18
48	Non-linear squeezing of the vacuum and the one-photon states as realizations of theSU(1,1) group. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 57-65.	1.4	17
49	A proposal for the realization of universal quantum gates via superconducting qubits inside a cavity. Annals of Physics, 2013, 334, 47-57.	2.8	16
50	Effect of Time Dependent Coupling on the Dynamical Properties of the Nonlocal Correlation Between Two Three-Level Atoms. International Journal of Theoretical Physics, 2017, 56, 2898-2910.	1.2	16
51	Effect of atomic coherence on squeezing. Physical Review A, 1991, 43, 5161-5164.	2.5	15
52	Entropy of a general three-level atom interacting with a two mode. Laser Physics, 2013, 23, 025201.	1.2	15
53	Statistical Properties of the Odd Binomial States with Dynamical Applications. International Journal of Theoretical Physics, 1999, 38, 1493-1520.	1.2	14
54	INFLUENCE OF SUPERPOSITION OF COHERENT STATES OF LIGHT ON THE EVOLUTION OF THE FIELD ENTROPY AND ENTANGLEMENT IN THE INTENSITY-DEPENDENT JCM. Modern Physics Letters B, 2002, 16, 1097-1106.	1.9	14

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55	A class of nonlinear squeezed coherent states. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S635-S642.	1.4	14
56	Entropy and entanglement in the mixed state for a dispersive JC model in a phase-damped cavity. Optics Communications, 2007, 280, 230-235.	2.1	14
57	The atomic Wehrl entropy of a V-type three-level atom interacting with two-mode squeezed vacuum state. Journal of Russian Laser Research, 2009, 30, 146-156.	0.6	14
58	Effects of cavity damping on the entanglement for a three-level atomic system. Journal of Modern Optics, 2009, 56, 881-885.	1.3	14
59	Quantum Entropy of a Four-Level Atom with Arbitrary Nonlinearities. International Journal of Theoretical Physics, 2012, 51, 2665-2680.	1.2	14
60	A tentative approach to entanglement measures for a system of a three-level atom interacting with a quantized cavity-field. European Physical Journal D, 2003, 27, 277-285.	1.3	13
61	QUANTUM TREATMENT OF A TIME DEPENDENT SINGLE-TRAPPED ION INTERACTING WITH A BIMODAL CAVITY FIELD. International Journal of Modern Physics B, 2003, 17, 5925-5941.	2.0	13
62	A class of nonlinear coherent states and some of their properties. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 211-217.	1.4	13
63	More efficient purifying scheme via controlledâ€“controlled NOT gate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 45-48.	2.1	13
64	Entanglement of a General Formalism V-Type Three-Level Atom Interacting with a Single-Mode Field in the Presence of Nonlinearities. International Journal of Theoretical Physics, 2009, 48, 380-391.	1.2	13
65	Entanglement for a general formalism of a three-level atom in a V-configuration interacting nonlinearly with a non-correlated two-mode field. Laser Physics, 2013, 23, 055201.	1.2	13
66	Effect of atomic spontaneous decay on entanglement in the generalized Jaynesâ€“Cummings model. Annals of Physics, 2010, 325, 519-527.	2.8	12
67	Investigations of information quantifiers for the Tavisâ€“Cummings model. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6624-6632.	2.6	12
68	Dynamical characteristic of entropic uncertainty relation in the long-range Ising model with an arbitrary magnetic field. Quantum Information Processing, 2020, 19, 1.	2.2	12
69	Phase properties of coherent phase and generalized geometric states. Journal of Modern Optics, 1997, 44, 149-161.	1.3	11
70	Nonclassical effects in a three-level atom one-mode system with arbitrary forms of nonlinearities. Physica A: Statistical Mechanics and Its Applications, 2003, 329, 53-67.	2.6	11
71	The master equation for a two-level atom in a laser field with squeezing-like terms. Optics Communications, 2009, 282, 914-921.	2.1	11
72	Output entanglement fromSU(1, 1) coherent states under nonlinear dissipation in the dispersive limit. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 025305.	2.1	11

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73	Efficient realization of quantum search algorithm using quantum annealing processor with dissipation. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2025.	2.1	11
74	New Approach to Image Edge Detection Based on Quantum Entropy. Journal of Russian Laser Research, 2016, 37, 141-154.	0.6	11
75	Sudden death and rebirth of entanglement for different dimensional systems driven by a classical random external field. Laser Physics Letters, 2016, 13, 105206.	1.4	11
76	Suppressing the information losses of accelerated qubitâ€“qutrit system. International Journal of Quantum Information, 2019, 17, 1950032.	1.1	11
77	Field distribution in a generalized geometric radiation state. Physical Review A, 1995, 51, 2644-2647.	2.5	10
78	Squeezed displaced fock states and non-diagonalPrepresentation. Journal of Modern Optics, 1998, 45, 713-734.	1.3	10
79	A TREATMENT OF THE QUANTUM PARTIAL ENTROPIES IN THE ATOM-FIELD INTERACTION WITH A CLASS OF SCHRÃ–DINGER CAT STATES. International Journal of Quantum Information, 2005, 03, 591-602.	1.1	10
80	Statistical properties of the nonlinear negative binomial state. Optics Communications, 2007, 274, 372-383.	2.1	10
81	Some entanglement features of a three-atom Tavisâ€“Cummings model: a cooperative case. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 095501.	1.5	10
82	SHANNON INFORMATION AND ENTROPY SQUEEZING OF TWO FIELDS PARAMETRIC FREQUENCY CONVERTER INTERACTING WITH A SINGLE-ATOM. International Journal of Quantum Information, 2003, 01, 359-373.	1.1	9
83	Entropy and entanglement in the Jaynesâ€“Cummings model with effects of cavity damping. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 135503.	1.5	9
84	Multi-particle entanglement of charge qubits coupled to a nanoresonator. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1625-1630.	2.7	9
85	New features of a single-mode nonlinear Stark shift in the presence of phase damping. Optics Communications, 2012, 285, 2675-2681.	2.1	9
86	A moving three-level Î›-type atom in a dissipative cavity. European Physical Journal D, 2017, 71, 1.	1.3	9
87	Influence of an External Classical Field on the Interaction Between a Field and an Atom in Presence of Intrinsic Damping. International Journal of Theoretical Physics, 2018, 57, 2787-2801.	1.2	9
88	Wigner function of noisy accelerated two-qubit system. Quantum Information Processing, 2019, 18, 1.	2.2	9
89	SUPERPOSITIONS OF SQUEEZED COHERENT STATES: PROPERTIES AND GENERATION. International Journal of Modern Physics B, 1999, 13, 2299-2312.	2.0	8
90	INDUCED EMISSION OF COLD ATOMS PASSING THROUGH A MICROMASER CAVITY: SPATIAL DEPENDENCE. Modern Physics Letters B, 2002, 16, 117-125.	1.9	8

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91	Quantum inversion of cold atoms in a microcavity: spatial dependence. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 807-813.	1.5	8
92	Spatial Variation Effects on Quantum Theory of the Micromaser with Ultra-Cold Î›-Type Three-Level Atom. International Journal of Modern Physics B, 2003, 17, 2735-2747.	2.0	8
93	Partial phase state as a nonlinear coherent state and some of its properties. Journal of Modern Optics, 2004, 51, 209-222.	1.3	8
94	Statistical properties of nonlinear intermediate states: binomial state. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S695-S704.	1.4	8
95	Entanglement of a general formalism Î›-type three-level atom interacting with a non-correlated two-mode cavity field in the presence of nonlinearities. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 195503.	1.5	8
96	Asymptotic geometric phase and purity for phase qubit dispersively coupled to lossy LC circuit. Annals of Physics, 2011, 326, 2369-2376.	2.8	8
97	Quantum logic gates generated by SC-charge qubits coupled to a resonator. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 485305.	2.1	8
98	Tavisâ€“Cummings Model with Moving Atoms. Entropy, 2021, 23, 452.	2.2	8
99	INFLUENCE OF SQUEEZING OPERATOR ON THE QUANTUM PROPERTIES OF VARIOUS BINOMIAL STATES. International Journal of Modern Physics B, 2001, 15, 75-100.	2.0	7
100	Isotropic-coupled oscillators interacting with a single atom via two-photon processes: quantum information aspects. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 775-790.	1.5	7
101	Phase entropy of a single trapped ion interacting with a laser field. Laser Physics Letters, 2005, 2, 208-213.	1.4	7
102	Entanglement of a three-level trapped atom in the presence of another three-level trapped atom. Optics Communications, 2006, 265, 551-558.	2.1	7
103	Generation of three-qubit entangled states using coupled multi-quantum dots. Laser Physics Letters, 2007, 4, 399-403.	1.4	7
104	Entangled Finite Dimensional Pair Coherent States andÂTheir Applications. International Journal of Theoretical Physics, 2010, 49, 1823-1862.	1.2	7
105	Quantum heat engine: A fully quantized model. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 454-460.	2.7	7
106	Quantum treatment for two two-level atoms in interaction with an SU(1,1) quantum system. Journal of Russian Laser Research, 2013, 34, 87-101.	0.6	7
107	Purity and Correlation of a Cavity Field Interacting with a SC Charge Qubit with a Lossy Cavity. International Journal of Theoretical Physics, 2014, 53, 1325-1336.	1.2	7
108	Dynamics of an adiabatically effective two-level atom interacting with a star-like system. Progress of Theoretical and Experimental Physics, 2014, 2014, .	6.6	7

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109	A moving three-level atom interacting with a two-mode field: some atomâ€“field aspects. Journal of Modern Optics, 2016, 63, 2315-2325.	1.3	7
110	Non-classical correlations in two quantum dots coupled in a coherent resonator field under decoherence. Quantum Information Processing, 2018, 17, 1.	2.2	7
111	Nonclassical correlations in two-qubit Ising model with an arbitrary magnetic field: Local quantum Fisher information and local quantum uncertainty. European Physical Journal Plus, 2021, 136, 1.	2.6	7
112	Odd-Excited Binomial States of the Radiation Field and Some of Their Statistical Properties. International Journal of Theoretical Physics, 2002, 41, 1755-1768.	1.2	6
113	von Neumann Mutual Information for Anisotropic Coupled Oscillators Interacting with a Single Two-Level Atom. International Journal of Theoretical Physics, 2005, 44, 1649-1662.	1.2	6
114	Nonlinear squeezed states for SU(1,1) Lie algebra. European Physical Journal D, 2007, 41, 189-198.	1.3	6
115	Transient entropy squeezing of a single-Cooper-pair box placed inside a phase-damped cavity. Optics Communications, 2008, 281, 6019-6023.	2.1	6
116	Treatment of the emission and absorption spectra for a Î›-type three-level atom driven by a single-mode field with nonlinearities. Laser Physics, 2008, 18, 1164-1175.	1.2	6
117	Treatment of the emission and absorption spectra of a general formalism Î›-type three-level atom driven by a two-mode field with nonlinearities. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 115501.	1.5	6
118	Quantum entanglement in a system of two moving atoms interacting with a single mode field. Physica Scripta, 2010, 81, 055303.	2.5	6
119	Spatial dependence of moving three-level atoms interacting with a three-laser beam. Canadian Journal of Physics, 2013, 91, 1068-1073.	1.1	6
120	Entanglement in a system of a three-level atom interacting with a single-mode field in the presence of arbitrary forms of the nonlinearity and of the atomic initial state. Laser Physics, 2014, 24, 055201.	1.2	6
121	Quantum treatment for three waves mutually interacting with a single two-level atom. Laser Physics, 2014, 24, 105205.	1.2	6
122	Stationary discord and non-local correlations via qubit damping. Journal of Modern Optics, 2015, 62, 918-926.	1.3	6
123	Quantum effects due to the interaction between Su(1,1) and Su(2) quantum systems with damping. European Physical Journal D, 2017, 71, 1.	1.3	6
124	A nonlinear interaction between SU(1,1) quantum system and a three-level atom in different configurations with damping term. Physica Scripta, 2021, 96, 045105.	2.5	6
125	ENTANGLEMENT OF A GENERAL FORMALISM Î›-TYPE THREE-LEVEL ATOM INTERACTING WITH A SINGLE-MODE FIELD IN THE PRESENCE OF NONLINEARITIES. International Journal of Modern Physics B, 2009, 23, 3241-3254.	2.0	5
126	ENTANGLEMENT OF A GENERAL FORMALISM Îž-TYPE THREE-LEVEL ATOM INTERACTING WITH A SINGLE-MODE FIELD IN THE PRESENCE OF NONLINEARITIES. International Journal of Modern Physics B, 2009, 23, 2269-2283.	2.0	5

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127	Dynamics of an atom coupled through a parametric frequency converter with quantum and classical fields. Optics Communications, 2010, 283, 2820-2823.	2.1	5
128	New Aspects of Field Entropy Squeezing as an Indicator for Mixed State Entanglement in an Effective Two-Level System with Stark Shift. Chinese Physics Letters, 2011, 28, 120305.	3.3	5
129	Information entropy and entanglement of a superconducting qubit coupled to a cavity field with its spontaneous decay. Optical and Quantum Electronics, 2013, 45, 1287-1295.	3.3	5
130	Influence of the phase damping for two-qubits system in the dispersive reservoir. Quantum Information Processing, 2013, 12, 1947-1956.	2.2	5
131	The Dynamics of a Five-level (Double Î›)-type Atom Interacting with Two-mode Field in a Cross Kerr-like Medium. International Journal of Theoretical Physics, 2018, 57, 1210-1223.	1.2	5
132	Influence of the Coupling between Two Qubits in an Open Coherent Cavity: Nonclassical Information via Quasi-Probability Distributions. Entropy, 2019, 21, 1137.	2.2	5
133	Quantumness Measures for a System of Two Qubits Interacting with a Field in the Presence of the Time-Dependent Interaction and Kerr Medium. Entropy, 2021, 23, 635.	2.2	5
134	Superpositions of squeezed displaced Fock states: properties and generation. Journal of Modern Optics, 1999, 46, 263-278.	1.3	5
135	Title is missing!. International Journal of Theoretical Physics, 2000, 39, 1499-1513.	1.2	4
136	Generation and Properties of a Superposition of Four Displaced Fock States. International Journal of Theoretical Physics, 2001, 40, 1715-1735.	1.2	4
137	Reply to Comment on ÂQuantum inversion of cold atoms in a microcavity: spatial dependenceÂ. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1747-1749.	1.5	4
138	Analytic solution for entangled two-qubit in a cavity field. Journal of Mathematical Physics, 2004, 45, 4271-4281.	1.1	4
139	Some non-classical properties of a class of new nonlinear coherent states. Journal of Modern Optics, 2005, 52, 1263-1274.	1.3	4
140	SUB-ENTROPIES AND PHASE PROPERTIES UNDERGOING THE EFFECTS OF ATOMIC MOTION FOR THE JAYNESâ€“CUMMINGS MODEL WITH INITIAL MIXED STATE INPUT. International Journal of Quantum Information, 2006, 04, 871-882.	1.1	4
141	Generation and some statistical properties of nonlinear pair-coherent states. Physica Scripta, 2007, 75, 557-564.	2.5	4
142	Sensitive Response of the Quantum Entropies to Jaynes-Cummings Model in Presence of a Second Harmonic Generation. International Journal of Theoretical Physics, 2007, 46, 637-651.	1.2	4
143	Entanglement for the System of Two 2-Level Atoms Interacting with a Single-Mode Through Cooperative Interaction. International Journal of Theoretical Physics, 2009, 48, 3643-3650.	1.2	4
144	Dynamics of Bloch vectors and channel capacity of two non-identical charge qubits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 927-933.	2.1	4

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145	Invariant dynamics of a superconducting qubit strongly coupled to a cavity field without energy relaxation. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1262-1266.	2.7	4
146	Information dynamics for a non-degenerate two-photon JC model in phase damping cavity. Optik, 2016, 127, 3266-3270.	2.9	4
147	Interaction between two two-level atoms coupled to N-level quantum system. Optical and Quantum Electronics, 2019, 51, 1.	3.3	4
148	Singleâ€Atom Entanglement for a System of Directly Linked Two Cavities in the Presence of an External Classical Field: Effect of Atomic Coherence. Fortschritte Der Physik, 2019, 67, 1800101.	4.4	4
149	Generalized Trio Coherent States. International Journal of Theoretical Physics, 2005, 44, 1347-1364.	1.2	3
150	Emission and absorption spectra of a general formalism Îž-type three-level atom driven by a single-mode field with nonlinearities. Laser Physics, 2008, 18, 894-906.	1.2	3
151	On SU(1,1) intelligent coherent states. Physica Scripta, 2008, 78, 035401.	2.5	3
152	Applications of the master equation of a two-level atom in a narrow-bandwidth squeezed vacuum. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3961-3968.	2.6	3
153	A treatment of the emission and absorption spectra of a general formalism V-type three-level atom driven by a single-mode field with nonlinearities. Laser Physics, 2009, 19, 1434-1445.	1.2	3
154	ENTANGLEMENT OF A TWO-LEVEL ATOM INTERACTING WITH A NEW STRUCTURE OF A GENERALIZED NONLINEAR STARK SHIFT VIA Îž CONFIGURATION. International Journal of Modern Physics B, 2011, 25, 2621-2636.	2.0	3
155	Nonclassical Properties of Squeezed Finite-Dimensional Pair Coherent State. International Journal of Theoretical Physics, 2011, 50, 181-199.	1.2	3
156	A NEW PARAMETER OF ENTANGLEMENT FOR A QUBIT SYSTEM PLACED INSIDE A DISSIPATIVE CAVITY. International Journal of Quantum Information, 2011, 09, 1091-1100.	1.1	3
157	Entanglement of a cavity field interacting with a superconducting charge qubit. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	3
158	Time-dependent interaction between a two-level atom and a su(1,1) Lie algebra quantum system. International Journal of Modern Physics B, 2017, 31, 1750211.	2.0	3
159	Quantum dynamics of a qutrit in a cavity filled with Kerr-like medium and intrinsic noise. Modern Physics Letters A, 2020, 35, 2050287.	1.2	3
160	Entanglement Control of Two-Level Atoms in Dissipative Cavities. Applied Sciences (Switzerland), 2020, 10, 1510.	2.5	3
161	QUANTUM STATISTICS OF A NEW TWO MODE SQUEEZE OPERATOR MODEL. International Journal of Modern Physics B, 2000, 14, 1105-1128.	2.0	2
162	Semiclassical stability analysis of a two-photon laser including spatial variation of the cavity field. European Physical Journal D, 2001, 15, 385-391.	1.3	2

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163	Aspects of the Two-Level Atom in Squeezed Displaced Fock States. Physica Scripta, 2001, 64, 573-579.	2.5	2
164	QUANTUM INFORMATION ENTROPY FOR A MULTILEVEL SYSTEM. International Journal of Modern Physics B, 2007, 21, 5351-5362.	2.0	2
165	Quantum Mutual Entropy for a Multilevel Atom Interacting with a Cavity Field. International Journal of Theoretical Physics, 2007, 46, 972-983.	1.2	2
166	An analytical description of the atomic information entropy in a multi-level system. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3065-3071.	2.6	2
167	Evolution of the pair-coherent state with the two-qubit: entanglement and cat-state generation. Journal of Modern Optics, 2008, 55, 1649-1666.	1.3	2
168	Quantum phase properties and Wigner function of two 2-level atoms in the presence of the Stark shift for the Tavisâ€“Cummings model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175502.	1.5	2
169	Entropy squeezing for qubit â€“ field system under decoherence effect. Quantum Electronics, 2014, 44, 274-278.	1.0	2
170	Entropy squeezing for qubitâ€“field system in the presence multi-photon process under decoherence effect. Optical and Quantum Electronics, 2015, 47, 267-278.	3.3	2
171	Time-Dependent Interaction Between a Two-Level Atom and N Two-Level Atoms in Terms of su(2) Lie Algebra. Journal of Russian Laser Research, 2017, 38, 37-49.	0.6	2
172	Intrinsic decoherence effect on dynamics of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.svg"><mml:mrow><mml:mi mathvariant="normal">Î›</mml:mi></mml:mrow></mml:math>-type qutrit interacting nonlinearly with a coherent field. AEJ - Alexandria Engineering Journal, 2022, 61, 2348-2353.	6.4	2
173	Excited atomic coherent states. Journal of Modern Optics, 2003, 50, 2163-2171.	1.3	1
174	Fluorescence Spectrum of an Atom Interacting with a Quantized Cavity Field with Arbitrary Nonlinearities. International Journal of Nanoscience, 2003, 02, 49-63.	0.7	1
175	Two-level atom in a squeezed vacuum with the two photon process via ac-Stark effect. Chaos, Solitons and Fractals, 2005, 26, 467-479.	5.1	1
176	Fluorescence and absorption spectra for a multi-photon Jaynesâ€“Cummings in the presence of nonlinearities and stark shift. Chaos, Solitons and Fractals, 2006, 29, 262-276.	5.1	1
177	Fidelity of isotropic-coupled oscillators interacting with a single atom. Laser Physics, 2007, 17, 1151-1156.	1.2	1
178	WEHRL ENTROPY AND ENTANGLEMENT OF A TIME-DEPENDENT TWO-LEVEL TRAPPED ION INTERACTING WITH A LASER FIELD. International Journal of Quantum Information, 2008, 06, 331-339.	1.1	1
179	Nonclassical properties of a nonlinear generalized geometric state. Physica Scripta, 2008, 77, 055002.	2.5	1
180	ENTROPY GROWTH INDUCED BY A SQUEEZED FIELD WITH A PHASE-DAMPING RESERVOIR. International Journal of Modern Physics B, 2009, 23, 4993-5001.	2.0	1

#	Article	IF	Citations
181	Quantum properties of a superposition of squeezed displaced two-mode vacuum and single-photon states. Physica Scripta, 2009, 79, 035402.	2.5	1
182	Wigner function and phase properties for a two-qubit field system under pure phase noise. Journal of Russian Laser Research, 2012, 33, 369-378.	0.6	1
183	Death of entanglement and purity in a two qubitsâ€“field system induced by phase damping. Journal of Russian Laser Research, 2012, 33, 32-41.	0.6	1
184	COHERENT AND INCOHERENT BEHAVIORS OF QUBITS INTERACTING WITH A SPIN-PATH PARTICLE. International Journal of Modern Physics B, 2013, 27, 1350076.	2.0	1
185	The geometric phase of a two-level atom in a narrow-bandwidth squeezed vacuum. Optik, 2014, 125, 6335-6339.	2.9	1
186	Effects of a phase-damping cavity on entanglement and purity loss in two-qubit system. Quantum Information Processing, 2015, 14, 2043-2053.	2.2	1
187	Influence of Various Environments on Information and Entanglement Dynamics for Two Interacting Qubits. Journal of Russian Laser Research, 2015, 36, 24-34.	0.6	1
188	Dynamical Controls for Improving Quantum Search Algorithm Through Flux Qubits System. Fortschritte Der Physik, 2018, 66, 1700080.	4.4	1
189	Nonclassical effects for a qubit coupled to a coherent two-mode cavity with intrinsic decoherence. Results in Physics, 2020, 19, 103370.	4.1	1
190	Nonlinear Dynamics of a Cavity Containing a Two-Mode Coherent Field Interacting with Two-Level Atomic Systems. Applied Sciences (Switzerland), 2020, 10, 7150.	2.5	1
191	Influence of the dissipation on the N-level atom interacting with a two two-level atoms in presence of qubitâ€“qubit interaction. Scientific Reports, 2021, 11, 7345.	3.3	1
192	Squeezed displaced Fock states and non-diagonal P representation. Journal of Modern Optics, 1998, 45, 713-734.	1.3	1
193	Quantum Information Features Attendant to Atomic Spontaneous Decay. Applied Mathematics and Information Sciences, 2014, 8, 1167-1172.	0.5	1
194	Superposition of Two Squeezed Displaced Fock States With Different Coherent Parameters. Applied Mathematics and Information Sciences, 2017, 11, 1399-1406.	0.5	1
195	Entanglement dynamics of a dispersive system of two driven qubits localized in coherently two linked optical cavities: two dispersive spatial distant driven Jaynesâ€“Cummings cells. Optical and Quantum Electronics, 2022, 54, 1.	3.3	1
196	Atomic Marginal Distribution and Squeezing Phenomena of Correlated Two Modes Interacting with a Three-Level Atom in the Presence of an External Classical Field. International Journal of Optics, 2022, 2022, 1-11.	1.4	1
197	Emission and absorption spectra of a Î› type three-level atom driven by a two-mode cavity field with nonlinearities. Journal of Russian Laser Research, 2008, 29, 184-200.	0.6	0
198	Von Neumann entropy and entropy squeezing of a two-level atom and the superposition of squeezed displaced fock states. Journal of Russian Laser Research, 2008, 29, 398-407.	0.6	0

#	Article	IF	Citations
199	Analytic Representations Based on SU(1,1) Lie Algebra Coherent States for Squeezed Displaced Fock States. Applied Categorical Structures, 2008, 16, 3-11.	0.5	0
200	Nonclassical properties for a modified class of correlated states driven via a quantum system. Physica Scripta, 2012, 85, 065401.	2.5	0
201	Robustness of Quantum Correlations in Entangled Two su(2) Systems Non-mutually Interacting with su(1, 1) System under Intrinsic Decoherence. Open Systems and Information Dynamics, 2018, 25, 1850015.	1.2	0
202	Direct Observation of Dissipation in Dynamical Search Algorithm using Transmon Qubits. Annalen Der Physik, 2019, 531, 1900022.	2.4	0
203	Some Nonclassical Effects of Two Three-Level Atoms Interacting with SU(1) Quantum System. Journal of Russian Laser Research, 2020, 41, 459-469.	0.6	0
204	Generating non-locality correlation via 2-photon resonant interaction of dissipative two-qubit system with coherent field. European Physical Journal D, 2020, 74, 1.	1.3	0
205	Maximally Entangled SU(1,1) Semi Coherent States. International Journal of Theoretical Physics, 2021, 60, 1425-1437.	1.2	0
206	Dynamics of nonclassical properties of a SU(3) system interacting with two open parametric amplifier modes. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1556.	2.1	0
207	A study of a nonlinear interaction between a two-mode cavity field and â™¢-type four-level with field damping. Modern Physics Letters A, 2022, 37, .	1.2	0
208	Quantum state transfer by electromagnetic fields initialized in vacuum states in a system comprised of two consecutive cavities connected by an optical fiber in the presence of an external classical field. Quantum Information Processing, 2022, 21, .	2.2	0