

Ardiley T Avelar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8010880/publications.pdf>

Version: 2024-02-01

89
papers

1,140
citations

394286

19
h-index

477173

29
g-index

89
all docs

89
docs citations

89
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonclassical properties and Anderson localization of quantum states in coupled waveguides. <i>Physical Review A</i> , 2022, 105, .	1.0	2
2	Relativistic spin operator must be intrinsic. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 392, 127166.	0.9	4
3	Proper-time approach to localization. <i>Physical Review A</i> , 2021, 103, .	1.0	0
4	Linear semi-infinite programming approach for entanglement quantification. <i>Physical Review A</i> , 2021, 104, .	1.0	2
5	Proposal for Anderson localization in transverse spatial degrees of freedom of photons. <i>Optics Communications</i> , 2021, 498, 127225.	1.0	1
6	Propagation of Solitons in Quasi-periodic Nonlinear Coupled Waveguides. <i>Brazilian Journal of Physics</i> , 2021, 51, 151-156.	0.7	3
7	Effects of chaotic perturbations on a nonlinear system undergoing two-soliton collisions. <i>Nonlinear Dynamics</i> , 2021, 106, 3469-3477.	2.7	5
8	Scalar field model applied to the lamellar to the inverse hexagonal phase transition in lipid systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 91, 105446.	1.7	1
9	Comment on "Quantum time and spatial localization: An analysis of the Hegerfeldt paradox" [J. Math. Phys. 41, 6093 (2000)]. <i>Journal of Mathematical Physics</i> , 2020, 61, .	0.5	2
10	On the continuity of quantum correlation quantifiers. <i>Quantum Information Processing</i> , 2020, 19, 1.	1.0	3
11	Weak quantum correlation quantifiers with generalized entropies. <i>Quantum Information Processing</i> , 2019, 18, 1.	1.0	1
12	Obtaining phase-optimized states from superpositions of coherent states in phase-sensitive attenuating/amplifying reservoirs. <i>Annals of Physics</i> , 2019, 406, 86-107.	1.0	2
13	Optical simulation of the free Dirac equation. <i>Physical Review A</i> , 2019, 99, .	1.0	8
14	Robust Entanglement Generation in Lithium Ions Mediated by Graphene Quantum Dots Interaction. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1790-1795.	1.1	3
15	Effective Equations for Repulsive Quasi-One Dimensional Bose-Einstein Condensates Trapped with Anharmonic Transverse Potentials. <i>Annalen Der Physik</i> , 2018, 530, 1700352.	0.9	9
16	Influence of pseudo-stimulated-Raman-scattering on the modulational instability in an inhomogeneous nonlinear medium. <i>European Physical Journal: Special Topics</i> , 2018, 227, 551-561.	1.2	7
17	Reconstruction of Bohmian trajectories via weak measurement for bipartite states. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 518-521.	1.2	0
18	Modulation of localized solutions in quadratic-cubic nonlinear Schrödinger equation with inhomogeneous coefficients. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 48, 474-483.	1.7	28

#	ARTICLE	IF	CITATIONS
19	Comparing the effects of atomic damping and velocity fluctuations upon transfer of quantum state in a bimodal cavity QED. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	0
20	Modulation instability in a nonlinear oppositely directed coupler with saturable nonlinearities and higher-order effects. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1134.	0.9	24
21	Anderson localization in the quintic nonlinear Schrödinger equation. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	7
22	Teleportation of a Weak Coherent Cavity Field State. <i>International Journal of Theoretical Physics</i> , 2016, 55, 3097-3104.	0.5	1
23	Does "cooling by heating" protect quantum correlations?. <i>Quantum Information Processing</i> , 2016, 15, 2021-2032.	1.0	2
24	Dynamics of nonclassical correlations via local quantum uncertainty for atom and field interacting into a lossy cavity QED. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 399-405.	1.2	15
25	Systematic construction of genuine-multipartite-entanglement criteria in continuous-variable systems using uncertainty relations. <i>Physical Review A</i> , 2015, 92, .	1.0	17
26	Quantum uncertainty in critical systems with three spins interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 125501.	0.6	10
27	A note on quantum teleportation without the Bell-state measurement in superconducting qubits. <i>Physica Scripta</i> , 2014, 89, 025001.	1.2	4
28	Modulation of localized solutions for the Schrödinger equation with logarithm nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 2928-2934.	1.7	30
29	A proposal to implement a quantum delayed choice experiment assisted by cavity QED. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1254-1257.	0.9	7
30	Genuine tripartite continuous-variable entanglement with spatial degrees of freedom of photons. <i>Physical Review A</i> , 2013, 88, .	1.0	8
31	Bright solitons from the nonpolynomial Schrödinger equation with inhomogeneous defocusing nonlinearities. <i>Physical Review E</i> , 2013, 88, 025201.	0.8	27
32	Spin-reduced density matrices for relativistic particles. <i>Physical Review A</i> , 2013, 88, .	1.0	14
33	Modulation of localized solutions in a system of two coupled nonlinear Schrödinger equations. <i>Physical Review E</i> , 2012, 86, 027601.	0.8	28
34	Controlling Excitation Inversion of a Cooper Pair Box Interacting with a Nanomechanical Resonator. <i>Chinese Physics Letters</i> , 2012, 29, 080303.	1.3	2
35	Quantum communication via controlled holes in the statistical distribution of excitations in a nanoresonator coupled to a Cooper pair box. <i>Chinese Physics B</i> , 2012, 21, 030308.	0.7	7
36	Controlled teleportation via photonic Faraday rotations in low-Q cavities. <i>Quantum Information Processing</i> , 2012, 11, 1867-1881.	1.0	17

#	ARTICLE	IF	CITATIONS
37	Anderson localization of matter waves in chaotic potentials. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 755-763.	0.9	11
38	Controlling statistical properties of a Cooper pair box interacting with a nanomechanical resonator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4045-4055.	1.2	17
39	A note on entanglement swapping of atomic states through the photonic Faraday rotation. <i>Quantum Information Processing</i> , 2011, 10, 395-404.	1.0	9
40	Teleportation of entangled states without Bell-state measurement via a two-photon process. <i>Optics Communications</i> , 2011, 284, 1086-1089.	1.0	7
41	Alternative scheme to generate a supersinglet state of three-level atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 443-447.	0.9	3
42	Splitting of quantum information in travelling wave fields using only linear optical elements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 045501.	0.6	1
43	One-dimensional reduction of the three-dimensional Gross-Pitaevskii equation with two- and three-body interactions. <i>Physical Review E</i> , 2011, 83, 036604.	0.8	18
44	Solitons of two-component Bose-Einstein condensates modulated in space and time. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2356-2360.	0.9	35
45	Nonlinear Schrödinger equation with chaotic, random, and nonperiodic nonlinearity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4594-4598.	0.9	5
46	Modulation of breathers in cigar-shaped Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2640-2645.	0.9	43
47	Bright and dark solitons in a periodically attractive and repulsive potential with nonlinearities modulated in space and time. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 4269-4274.	0.9	22
48	Entanglement swapping in the two-photon Jaynes-Cummings model. <i>Physica Scripta</i> , 2010, 82, 019801-019801.	1.2	0
49	Modulation of breathers in the three-dimensional nonlinear Gross-Pitaevskii equation. <i>Physical Review E</i> , 2010, 82, 057601.	0.8	19
50	Generation of two-photon EPR and W states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 155502.	0.6	5
51	Comment on "Approximate and Conditional Teleportation of an Unknown Atomic State Without Bell-State Measurement with Two-Photon Interaction". <i>Communications in Theoretical Physics</i> , 2009, 52, 41-44.	1.1	4
52	Entanglement sudden death via two-photon processes in cavity QED. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 195507.	0.6	17
53	A Note on Teleportation of an Arbitrary Two-Particle State Without Bell-State Measurement in Cavity QED. <i>Communications in Theoretical Physics</i> , 2009, 52, 241-243.	1.1	5
54	Lump-like structures in scalar-field models in dimensions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 374, 222-227.	0.9	16

#	ARTICLE	IF	CITATIONS
55	A note on approximate teleportation of an unknown atomic state in the two-photon Jaynes-Cummings model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1331-1336.	1.2	20
56	Entanglement swapping in the two-photon Jaynes-Cummings model. <i>Physica Scripta</i> , 2009, 80, 065009.	1.2	13
57	Solitons with cubic and quintic nonlinearities modulated in space and time. <i>Physical Review E</i> , 2009, 79, 025602.	0.8	112
58	Conditional displacement operator for traveling fields. <i>Optics Communications</i> , 2008, 281, 2864-2867.	1.0	1
59	New lump-like structures in scalar-field models. <i>European Physical Journal C</i> , 2008, 55, 133-143.	1.4	34
60	Total teleportation of zero- and one-photon entangled states in running waves. <i>Chinese Physics B</i> , 2008, 17, 60-63.	0.7	3
61	Generation of a 4-qubit cluster of entangled coherent states in bimodal QED cavities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 085505.	0.6	25
62	Generation of W atomic states assisted by cavities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 215505.	0.6	10
63	Comment on "Faithful teleportation of an unknown atomic state and a cavity field entangled state without Bell-state measurement". <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 1089-1091.	0.6	9
64	On the generation of a generalized superposition of displaced squeezed states. <i>Optics Communications</i> , 2007, 275, 140-143.	1.0	2
65	A note on the generation of displaced number states. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 275-278.	1.2	2
66	Scheme for direct measurement of the Wigner characteristic function of traveling fields. <i>Optics Communications</i> , 2006, 259, 754-757.	1.0	5
67	Superposition of new phase states: generation and properties. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 337, 296-304.	0.9	4
68	Preparing Fock states of the electromagnetic field via Raman interaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 340, 74-77.	0.9	6
69	Generation and properties of superposed squeezed states. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 235-248.	1.2	6
70	Preparing highly excited Fock states of a cavity field using driven atoms. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, 198-200.	1.4	11
71	Teleporting a state inside a single bimodal high-Qcavity. <i>Physical Review A</i> , 2005, 71, .	1.0	33
72	Controlled hole burning in Fock space via resonant interaction. <i>Physical Review A</i> , 2005, 72, .	1.0	10

#	ARTICLE	IF	CITATIONS
73	Synthesis of arbitrary Fock states via conditional measurement on beam splitters. Physical Review A, 2005, 72, .	1.0	24
74	Teleportation of entangled states without Bell-state measurement. Physical Review A, 2005, 72, .	1.0	72
75	Sculpturing squeezed states to get highly excited fock states. Brazilian Journal of Physics, 2005, 35, 579-585.	0.7	6
76	Controlled hole burning in the Fock space via conditional measurements on beam splitters. Physical Review A, 2004, 70, .	1.0	33
77	Teleporting entanglements of cavity-field states. Physical Review A, 2004, 70, .	1.0	47
78	Generation of superposed phase states via Raman interaction. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 383-386.	1.4	15
79	A NOTE ON QUANTUM OSCILLATORS COUPLD BY NONRESONANT INTERACTION: ENVIRONMENT MODIFYING DYNAMICS. International Journal of Modern Physics B, 2004, 18, 2019-2026.	1.0	1
80	Sculpturing coherent states to get highly excited Fock states for stationary and travelling fields. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 351-359.	1.4	26
81	Polynomial state of the electromagnetic field: generation and statistical properties. Optics Communications, 2004, 239, 359-366.	1.0	4
82	A note on "Generalized superposition of two squeezed states: generation and statistical properties". Physica A: Statistical Mechanics and Its Applications, 2004, 334, 139-143.	1.2	5
83	Generation of states for electromagnetic fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 329, 284-293.	0.9	8
84	States of the quantized electromagnetic field with highly concentrated phase distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 366-373.	0.9	7
85	Generation of superpositions of squeezed states for optical fields. Optics Communications, 2004, 231, 297-302.	1.0	3
86	Controlled hole burning in the Fock space via Raman interaction. Optics Communications, 2004, 239, 281-285.	1.0	8
87	Complementary coherent state for measuring the Q-function: generation and properties. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 41-45.	1.4	8
88	A comment on: "Superpositions of truncated phase states: generation and properties". Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 161-163.	0.9	5
89	Generation of the reciprocal-binomial state for optical fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 315, 213-218.	0.9	24