Mei Zhang

List of Publications by Year
in descending order

56 papers	635 citations	759233 12 h-index	642732 23 g-index
56 all docs	56 docs citations	56 times ranked	484 citing authors

#	Article	IF	Citations
1	Generation and complete nondestructive analysis of hyperentanglement assisted by nitrogen-vacancy centers in resonators. Physical Review A, 2015, 91, .	2.5	67
2	Complete nondestructive analysis of two-photon six-qubit hyperentangled Bell states assisted by cross-Kerr nonlinearity. Scientific Reports, 2016, 6, 22016.	3.3	48
3	The oscillating two-cluster chimera state in non-locally coupled phase oscillators. Europhysics Letters, 2012, 97, 10009.	2.0	47
4	Spin squeezing and entanglement in spinor condensates. Physical Review A, 2002, 66, .	2.5	45
5	Graphene disk as an ultra compact ring resonator based on edge propagating plasmons. Applied Physics Letters, 2013, 103, .	3.3	34
6	Entanglement and spin squeezing of Bose-Einstein-condensed atoms. Physical Review A, 2003, 68, .	2.5	32
7	Payoff-related migration enhances cooperation in the prisoner's dilemma game. New Journal of Physics, 2011, 13, 043032.	2.9	32
8	Dynamics of the Kuramoto model in the presence of correlation between distributions of frequencies and coupling strengths. Physical Review E, 2014, 89, 012910.	2.1	24
9	Tunneling of condensate magnetization in a double-well potential. Physical Review A, 2005, 71, .	2.5	19
10	Quantum Zeno Subspace and Entangled Bose-Einstein Condensates. Physical Review Letters, 2003, 91, 230404.	7.8	17
11	Dynamic fragmentation of a spinor Bose-Einstein condensate. Physical Review A, 2003, 68, .	2.5	17
12	Random partnerships in spatial game theory. Physical Review E, 2009, 79, 011121.	2.1	14
13	Robust universal photonic quantum gates operable with imperfect processes involved in diamond nitrogen-vacancy centers inside low-Q single-sided cavities. Optics Express, 2018, 26, 33129.	3.4	14
14	Error-heralded generation and self-assisted complete analysis of two-photon hyperentangled Bell states through single-sided quantum-dot-cavity systems. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	13
15	Chaos Synchronization in Complex Networks. Chinese Physics Letters, 2005, 22, 2183-2185.	3.3	12
16	Complete and deterministic analysis for spatial-polarization hyperentangled Greenbergerâ€“Horneâ€“Zeilinger states with quantum-dot cavity systems. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2263.	2.1	12
17	Quantum Zeno and Zeno-like effects in nitrogen vacancy centers. Scientific Reports, 2015, 5, 17615.	3.3	12
18	Controlled Splitting of an Atomic Wave Packet. Physical Review Letters, 2006, 97, 070403.	7.8	11

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19	The investigation of the minimum size of the domain supporting a spiral wave in oscillatory media. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 69-72.	2.1	10
20	Effects of directional migration on prisonerâ€™s dilemma game in a square domain. European Physical Journal B, 2013, 86, 1.	1.5	10
21	Heralded quantum repeater based on the scattering of photons off single emitters using parametric down-conversion source. Scientific Reports, 2016, 6, 28744.	3.3	9
22	Heralded quantum repeater based on the scattering of photons off single emitters in one-dimensional waveguides. Annals of Physics, 2017, 378, 33-46.	2.8	9
23	Dark state polarizing a nuclear spin in the vicinity of a nitrogen-vacancy center. Physical Review A, 2018, 97, .	2.5	9
24	Highâ€Fidelity Hybrid Quantum Gates between a Flying Photon and Diamond Nitrogenâ€Vacancy Centers Assisted by Lowâ€Q Singleâ€Sided Cavities. Annalen Der Physik, 2019, 531, 1800312.	2.4	9
25	Effect of even and odd numbers of atoms in a condensate inside a double-well potential. Physical Review A, 2008, 78, .	2.5	8
26	General Quantum Entanglement Purification Protocol using a Controlledâ€Phaseâ€Flip Gate. Annalen Der Physik, 2020, 532, 2000011.	2.4	7
27	Spiral Waves in Media with Spatial Period-2 Structure. Chinese Physics Letters, 2005, 22, 3195-3198.	3.3	6
28	Type of spiral wave with trapped ions. Physical Review E, 2011, 84, 066212.	2.1	6
29	Crossover between structured and well-mixed networks in an evolutionary prisonerâ€™s dilemma game. Physical Review E, 2011, 84, 011103.	2.1	6
30	Complete Deterministic Analyzer for Multi-Electron Greenbergerâ€“Horneâ€“Zeilinger States Assisted by Double-Side Optical Microcavities. International Journal of Theoretical Physics, 2013, 52, 4045-4054.	1.2	6
31	Spontaneous emission in paired graphene plasmonic waveguide structures. Optics Express, 2013, 21, 7897.	3.4	6
32	Stability and phase transition of localized modes in Boseâ€“Einstein condensates with both two- and three-body interactions. Annals of Physics, 2015, 360, 679-693.	2.8	6
33	Compact quantum gates for hybrid photonâ€“atom systems assisted by Faraday rotation. Quantum Information Processing, 2017, 16, 1.	2.2	6
34	Self-assisted complete analysis of three-photon hyperentangled Greenbergerâ€“Horneâ€“Zeilinger states with nitrogen-vacancy centers in microcavities. Quantum Information Processing, 2018, 17, 1.	2.2	6
35	Drift of Spiral Waves in Complex Ginzburgâ€“Landau Equation. Communications in Theoretical Physics, 2006, 45, 647-652.	2.5	5
36	Heralded quantum gates for atomic systems assisted by the scattering of photons off single emitters. Annals of Physics, 2017, 387, 152-165.	2.8	5

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37	Passive synchronization in optomechanical resonators coupled through an optical field. Chaos, Solitons and Fractals, 2021, 144, 110717.	5.1	5
38	Error-detected N-photon cluster state generation based on the controlled-phase gate using a quantum dot in an optical microcavity. Frontiers of Physics, 2020, 15, 1.	5.0	4
39	Effects of Topological Randomness on Cooperation in a Deterministic Prisoner's Dilemma Game. Communications in Theoretical Physics, 2011, 56, 31-36.	2.5	3
40	Conditional imitation might promote cooperation under high temptations to defect. Physical Review E, 2012, 86, 011113.	2.1	3
41	Synchronization in nonlinear oscillators with conjugate coupling. Chaos, Solitons and Fractals, 2015, 71, 1-6.	5.1	3
42	Entangling two high-Q microwave resonators assisted by a resonator terminated with SQUIDs. New Journal of Physics, 2019, 21, 073025.	2.9	3
43	Generalized Synchronization in a Drive-Response System. Communications in Theoretical Physics, 2008, 49, 391-395.	2.5	2
44	The effects of nonlinear imitation probability on the evolution of cooperation. Chaos, Solitons and Fractals, 2013, 56, 53-58.	5.1	2
45	Transport of quantum excitations via local and nonlocal fluctuations. Physical Review A, 2015, 91, .	2.5	2
46	Selective distillation phenomenon in two-species Bose-Einstein condensates in open boundary optical lattices. Scientific Reports, 2015, 5, 17101.	3.3	2
47	Hyperentanglement concentration of nonlocal two-photon six-qubit systems via the cross-Kerr nonlinearity. Scientific Reports, 2020, 10, 21444.	3.3	2
48	The instability of chaotic synchronization in coupled Lorenz systems: from the Hopf to the Co-dimension two bifurcation. European Physical Journal B, 2005, 47, 251-254.	1.5	1
49	NOISE-INDUCED SYNCHRONIZATION IN LORENZ OSCILLATORS. International Journal of Modern Physics B, 2008, 22, 997-1004.	2.0	1
50	Effects of Dimers on Cooperation in the Spatial Prisoner's Dilemma Game. Communications in Theoretical Physics, 2011, 56, 813-818.	2.5	1
51	Emergence and Decline of Scientific Paradigms in a Two-Group System. Chinese Physics Letters, 2012, 29, 048701.	3.3	1
52	Chimera dynamics in nonlocally coupled bicomponent oscillators. Europhysics Letters, 0, , .	2.0	1
53	Nonlinear dynamics of a spinor Bose-Einstein condensate in a double-well potential. Laser Physics, 2006, 16, 379-384.	1.2	0
54	Emergence and decline of scientific paradigms in a dynamic complex network. Physical Review E, 2013, 87, 012113.	2.1	0

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55	Universal quantum gates for atomic systems assisted by Faraday rotation. Laser Physics Letters, 2015, 12, 085203.	1.4	0
56	Heralded universal quantum computing on electron spins in diamond nitrogen-vacancy centers assisted by low-Q microtoroidal resonators. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 618.	2.1	0