# Mei Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Passive synchronization in optomechanical resonators coupled through an optical field. Chaos, Solitons and Fractals, 2021, 144, 110717. | 5.1 | 5 |
| 2 | 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 |
| 3 | Hyperentanglement concentration of nonlocal two-photon six-qubit systems via the cross-Kerr nonlinearity. Scientific Reports, 2020, 10, 21444. | 3.3 | 2 |
| 4 | General Quantum Entanglement Purification Protocol using a Controlledâ€Phaseâ€Flip Gate. Annalen Der Physik, 2020, 532, 2000011. | 2.4 | 7 |
| 5 | 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 |
| 6 | Entangling two high-Q microwave resonators assisted by a resonator terminated with SQUIDs. New Journal of Physics, 2019, 21, 073025. | 2.9 | 3 |
| 7 | 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 |
| 8 | 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 |
| 9 | Dark state polarizing a nuclear spin in the vicinity of a nitrogen-vacancy center. Physical Review A, 2018, 97, . | 2.5 | 9 |
| 10 | 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 |
| 11 | 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 |
| 12 | Compact quantum gates for hybrid photonâ€“atom systems assisted by Faraday rotation. Quantum Information Processing, 2017, 16, 1. | 2.2 | 6 |
| 13 | 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 |
| 14 | 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 |
| 15 | Complete nondestructive analysis of two-photon six-qubit hyperentangled Bell states assisted by cross-Kerr nonlinearity. Scientific Reports, 2016, 6, 22016. | 3.3 | 48 |
| 16 | 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 |
| 17 | Transport of quantum excitations via local and nonlocal fluctuations. Physical Review A, 2015, 91, . | 2.5 | 2 |
| 18 | Generation and complete nondestructive analysis of hyperentanglement assisted by nitrogen-vacancy centers in resonators. Physical Review A, 2015, 91, . | 2.5 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantum Zeno and Zeno-like effects in nitrogen vacancy centers. Scientific Reports, 2015, 5, 17615. | 3.3 | 12 |
| 20 | Selective distillation phenomenon in two-species Bose-Einstein condensates in open boundary optical lattices. Scientific Reports, 2015, 5, 17101. | 3.3 | 2 |
| 21 | 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 |
| 22 | Universal quantum gates for atomic systems assisted by Faraday rotation. Laser Physics Letters, 2015, 12, 085203. | 1.4 | 0 |
| 23 | Synchronization in nonlinear oscillators with conjugate coupling. Chaos, Solitons and Fractals, 2015, 71, 1-6. | 5.1 | 3 |
| 24 | 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 |
| 25 | 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 |
| 26 | The effects of nonlinear imitation probability on the evolution of cooperation. Chaos, Solitons and Fractals, 2013, 56, 53-58. | 5.1 | 2 |
| 27 | Effects of directional migration on prisonerâ€™s dilemma game in a square domain. European Physical Journal B, 2013, 86, 1. | 1.5 | 10 |
| 28 | Spontaneous emission in paired graphene plasmonic waveguide structures. Optics Express, 2013, 21, 7897. | 3.4 | 6 |
| 29 | 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 |
| 30 | Emergence and decline of scientific paradigms in a dynamic complex network. Physical Review E, 2013, 87, 012113. | 2.1 | 0 |
| 31 | Graphene disk as an ultra compact ring resonator based on edge propagating plasmons. Applied Physics Letters, 2013, 103, . | 3.3 | 34 |
| 32 | Conditional imitation might promote cooperation under high temptations to defect. Physical Review E, 2012, 86, 011113. | 2.1 | 3 |
| 33 | The oscillating two-cluster chimera state in non-locally coupled phase oscillators. Europhysics Letters, 2012, 97, 10009. | 2.0 | 47 |
| 34 | Emergence and Decline of Scientific Paradigms in a Two-Group System. Chinese Physics Letters, 2012, 29, 048701. | 3.3 | 1 |
| 35 | Type of spiral wave with trapped ions. Physical Review E, 2011, 84, 066212. | 2.1 | 6 |
| 36 | Payoff-related migration enhances cooperation in the prisoner's dilemma game. New Journal of Physics, 2011, 13, 043032. | 2.9 | 32 |

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|---|---|---|---|
| 37 | Crossover between structured and well-mixed networks in an evolutionary prisonerâ€™s dilemma game. Physical Review E, 2011, 84, 011103. | 2.1 | 6 |
| 38 | Effects of Dimers on Cooperation in the Spatial Prisoner's Dilemma Game. Communications in Theoretical Physics, 2011, 56, 813-818. | 2.5 | 1 |
| 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 | Random partnerships in spatial game theory. Physical Review E, 2009, 79, 011121. | 2.1 | 14 |
| 41 | Effect of even and odd numbers of atoms in a condensate inside a double-well potential. Physical Review A, 2008, 78, . | 2.5 | 8 |
| 42 | Generalized Synchronization in a Drive-Response System. Communications in Theoretical Physics, 2008, 49, 391-395. | 2.5 | 2 |
| 43 | NOISE-INDUCED SYNCHRONIZATION IN LORENZ OSCILLATORS. International Journal of Modern Physics B, 2008, 22, 997-1004. | 2.0 | 1 |
| 44 | 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 |
| 45 | Nonlinear dynamics of a spinor Bose-Einstein condensate in a double-well potential. Laser Physics, 2006, 16, 379-384. | 1.2 | 0 |
| 46 | Drift of Spiral Waves in Complex Ginzburgâ€“Landau Equation. Communications in Theoretical Physics, 2006, 45, 647-652. | 2.5 | 5 |
| 47 | Controlled Splitting of an Atomic Wave Packet. Physical Review Letters, 2006, 97, 070403. | 7.8 | 11 |
| 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 | Chaos Synchronization in Complex Networks. Chinese Physics Letters, 2005, 22, 2183-2185. | 3.3 | 12 |
| 50 | Spiral Waves in Media with Spatial Period-2 Structure. Chinese Physics Letters, 2005, 22, 3195-3198. | 3.3 | 6 |
| 51 | Tunneling of condensate magnetization in a double-well potential. Physical Review A, 2005, 71, . | 2.5 | 19 |
| 52 | Entanglement and spin squeezing of Bose-Einstein-condensed atoms. Physical Review A, 2003, 68, . | 2.5 | 32 |
| 53 | Quantum Zeno Subspace and Entangled Bose-Einstein Condensates. Physical Review Letters, 2003, 91, 230404. | 7.8 | 17 |
| 54 | Dynamic fragmentation of a spinor Bose-Einstein condensate. Physical Review A, 2003, 68, . | 2.5 | 17 |

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|---|---|---|---|
| 55 | Spin squeezing and entanglement in spinor condensates. Physical Review A, 2002, 66, . | 2.5 | 45 |
| 56 | Chimera dynamics in nonlocally coupled bicomponent oscillators. Europhysics Letters, 0, , . | 2.0 | 1 |