

Yuan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,630
citations

516215

16
h-index

414034

32
g-index

34
all docs

34
docs citations

34
times ranked

549
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Lump solutions to nonlinear partial differential equations via Hirota bilinear forms. Journal of Differential Equations, 2018, 264, 2633-2659. | 1.1 | 614 |
| 2 | Lump-type solutions to nonlinear differential equations derived from generalized bilinear equations. International Journal of Modern Physics B, 2016, 30, 1640018. | 1.0 | 159 |
| 3 | Lump and lump-soliton solutions to the Hirota's "Satsuma" Ito equation. Communications in Nonlinear Science and Numerical Simulation, 2019, 68, 56-62. | 1.7 | 144 |
| 4 | Rational solutions to an extended Kadomtsev-Petviashvili-like equation with symbolic computation. Computers and Mathematics With Applications, 2016, 71, 1560-1567. | 1.4 | 120 |
| 5 | Lump solutions to a ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml11">T_j \text{ETQq1} \rangle$) extended KP equation. Computers and Mathematics With Applications, 2018, 75, 2414-2419. | 1.4 | 113 |
| 6 | Enhancing Spin-Phonon and Spin-Spin Interactions Using Linear Resources in a Hybrid Quantum System. Physical Review Letters, 2020, 125, 153602. | 2.9 | 63 |
| 7 | Applications of linear superposition principle to resonant solitons and complexitons. Computers and Mathematics With Applications, 2017, 73, 1697-1706. | 1.4 | 49 |
| 8 | Complexiton solutions to soliton equations by the Hirota method. Journal of Mathematical Physics, 2017, 58, . | 0.5 | 40 |
| 9 | Complexiton solutions to the asymmetric Nizhnik's "Novikov" Veselov equation. International Journal of Modern Physics B, 2019, 33, 1950098. | 1.0 | 36 |
| 10 | Quantum microwave-optical interface with nitrogen-vacancy centers in diamond. Physical Review A, 2017, 96, . | 1.0 | 32 |
| 11 | Complexiton solutions to the Hirota's "Satsuma" Ito equation. Mathematical Methods in the Applied Sciences, 2019, 42, 2344-2351. | 1.2 | 32 |
| 12 | Preparing multiparticle entangled states of nitrogen-vacancy centers via adiabatic ground-state transitions. Physical Review A, 2018, 98, . | 1.0 | 29 |
| 13 | Lump and rogue wave solutions to a (2+1)-dimensional Boussinesq type equation. Journal of Geometry and Physics, 2021, 167, 104275. | 0.7 | 28 |
| 14 | A study of lump and line rogue wave solutions to a (2+1)-dimensional nonlinear equation. Journal of Geometry and Physics, 2021, 167, 104274. | 0.7 | 26 |
| 15 | Phononic-waveguide-assisted steady-state entanglement of silicon-vacancy centers. Physical Review A, 2020, 101, . | 1.0 | 23 |
| 16 | Simulating the Lipkin-Meshkov-Glick model in a hybrid quantum system. Physical Review A, 2017, 96, . | 1.0 | 19 |
| 17 | Interfacing a Topological Qubit with a Spin Qubit in a Hybrid Quantum System. Physical Review Applied, 2019, 11, . | 1.5 | 16 |
| 18 | Chiral single-photon switch-assisted quantum logic gate with a nitrogen-vacancy center in a hybrid system. Photonics Research, 2021, 9, 405. | 3.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Reduced D-Kaup's Newell soliton hierarchies from $sl(2, \mathbb{R})$ and $so(3, \mathbb{R})$. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650105. | 0.8 | 14 |
| 20 | A (2+1)-dimensional shallow water equation and its explicit lump solutions. International Journal of Modern Physics B, 2019, 33, 1950038. | 1.0 | 12 |
| 21 | Adiabatic preparation of maximum entanglement in hybrid quantum systems with the Z_2 symmetry. Quantum Engineering, 2021, 3, e65. | 1.2 | 6 |
| 22 | Generation of Greenberger-Horne-Zeilinger states for silicon-vacancy centers using a decoherence-free subspace. Physical Review A, 2022, 105, . | 1.0 | 6 |
| 23 | Collective decay induce quantum phase transition in a well-controlled hybrid quantum system. Results in Physics, 2021, 21, 103832. | 2.0 | 5 |
| 24 | Improvement on the manipulation of a single nitrogen-vacancy spin and microwave photon at single-quantum level. Communications in Theoretical Physics, 2021, 73, 065101. | 1.1 | 5 |
| 25 | Sharp constants in asymptotic higher order Markov inequalities. Acta Mathematica Hungarica, 2017, 152, 227-242. | 0.3 | 4 |
| 26 | Generation and swapping of multi-qubit entangled state in a coupled superconducting resonator array. Quantum Information Processing, 2018, 17, 1. | 1.0 | 4 |
| 27 | Mean-Variance Portfolio Selection with Margin Requirements. Journal of Mathematics, 2013, 2013, 1-9. | 0.5 | 3 |
| 28 | Lump and rogue wave solutions to (1+1)-dimensional evolution equations. Partial Differential Equations in Applied Mathematics, 2022, , 100252. | 1.3 | 3 |
| 29 | Manipulation of quantum phase transitions with Z_2 symmetry for a realistic hybrid system. Results in Physics, 2022, 36, 105425. | 2.0 | 3 |
| 30 | Asymptotics of L_p Christoffel functions. Journal of Mathematical Analysis and Applications, 2016, 433, 1390-1408. | 0.5 | 2 |
| 31 | Method of reaching a resolution-controllable micro-angle measurement by using a Michelson interferometer. Applied Optics, 2021, 60, 8016. | 0.9 | 2 |
| 32 | Trapping integrated molecular devices via a local transport circulation. Physical Chemistry Chemical Physics, 2022, , . | 1.3 | 2 |
| 33 | Manipulation of the topology and solid-state spin using a mechanic-based hybrid system. International Journal of Modern Physics B, 0, , . | 1.0 | 1 |
| 34 | RATIONAL AND INTERACTIVE SOLUTIONS TO THE B-TYPE KADOMTSEV-PETVIASHVILI EQUATION. Journal of Applied Analysis and Computation, 2021, 11, 2473-2490. | 0.2 | 0 |