Yuan Zhou

List of Publications by Year
in descending order

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	Trapping integrated molecular devices via a local transport circulation. Physical Chemistry Chemical Physics, 2022, , .	1.3	2
2	Lump and rogue wave solutions to (1+1)-dimensional evolution equations. Partial Differential Equations in Applied Mathematics, 2022, , 100252.	1.3	3
3	Generation of Greenberger-Horne-Zeilinger states for silicon-vacancy centers using a decoherence-free subspace. Physical Review A, 2022, 105, .	1.0	6
4	Manipulation of quantum phase transitions with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e854" altimg="si4.svg"><mml:msub><mml:mrow><mml:mi>Z</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> symmetry for a realistic hybrid system. Results in Physics, 2022, 36, 105425.	2.0	3
5	RATIONAL AND INTERACTIVE SOLUTIONS TO THE B-TYPE KADOMTSEV-PETVIASHVILI EQUATION. Journal of Applied Analysis and Computation, 2021, 11, 2473-2490.	0.2	0
6	Collective decay induce quantum phase transition in a well-controlled hybrid quantum system. Results in Physics, 2021, 21, 103832.	2.0	5
7	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
8	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
9	Adiabatic preparation of maximum entanglement in hybrid quantum systems with the Z ₂ symmetry. Quantum Engineering, 2021, 3, e65.	1.2	6
10	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
11	Method of reaching a resolution-controllable micro-angle measurement by using a Michelson interferometer. Applied Optics, 2021, 60, 8016.	0.9	2
12	Lump and rogue wave solutions to a (2+1)-dimensional Boussinesq type equation. Journal of Geometry and Physics, 2021, 167, 104275.	0.7	28
13	Enhancing Spin-Phonon and Spin-Spin Interactions Using Linear Resources in a Hybrid Quantum System. Physical Review Letters, 2020, 125, 153602.	2.9	63
14	Phononic-waveguide-assisted steady-state entanglement of silicon-vacancy centers. Physical Review A, 2020, 101, .	1.0	23
15	Lump and lump-soliton solutions to the Hirotaâ€“Satsumaâ€“Ito equation. Communications in Nonlinear Science and Numerical Simulation, 2019, 68, 56-62.	1.7	144
16	Complexiton solutions to the Hirotaâ€“Satsumaâ€“Ito equation. Mathematical Methods in the Applied Sciences, 2019, 42, 2344-2351.	1.2	32
17	Complexiton solutions to the asymmetric Nizhnikâ€“Novikovâ€“Veselov equation. International Journal of Modern Physics B, 2019, 33, 1950098.	1.0	36
18	A (2+1)-dimensional shallow water equation and its explicit lump solutions. International Journal of Modern Physics B, 2019, 33, 1950038.	1.0	12

#	Article	IF	Citations
19	Interfacing a Topological Qubit with a Spin Qubit in a Hybrid Quantum System. Physical Review Applied, 2019, 11, .	1.5	16
20	Lump solutions to a (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml11") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 extended KP equation. Computers and Mathematics With Applications, 2018, 75, 2414-2419.	1.4	113
21	Lump solutions to nonlinear partial differential equations via Hirota bilinear forms. Journal of Differential Equations, 2018, 264, 2633-2659.	1.1	614
22	Preparing multiparticle entangled states of nitrogen-vacancy centers via adiabatic ground-state transitions. Physical Review A, 2018, 98, .	1.0	29
23	Generation and swapping of multi-qubit entangled state in a coupled superconducting resonator array. Quantum Information Processing, 2018, 17, 1.	1.0	4
24	Applications of linear superposition principle to resonant solitons and complexitons. Computers and Mathematics With Applications, 2017, 73, 1697-1706.	1.4	49
25	Sharp constants in asymptotic higher order Markov inequalities. Acta Mathematica Hungarica, 2017, 152, 227-242.	0.3	4
26	Quantum microwave-optical interface with nitrogen-vacancy centers in diamond. Physical Review A, 2017, 96, .	1.0	32
27	Complexiton solutions to soliton equations by the Hirota method. Journal of Mathematical Physics, 2017, 58, .	0.5	40
28	Simulating the Lipkin-Meshkov-Glick model in a hybrid quantum system. Physical Review A, 2017, 96, .	1.0	19
29	Reduced D-Kaupâ€“Newell soliton hierarchies from sl(2,â„) and so(3,â„). International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650105.	0.8	14
30	Lump-type solutions to nonlinear differential equations derived from generalized bilinear equations. International Journal of Modern Physics B, 2016, 30, 1640018.	1.0	159
31	Rational solutions to an extended Kadomtsev-Petviashvili-like equation with symbolic computation. Computers and Mathematics With Applications, 2016, 71, 1560-1567.	1.4	120
32	Asymptotics of Lp Christoffel functions. Journal of Mathematical Analysis and Applications, 2016, 433, 1390-1408.	0.5	2
33	Mean-Variance Portfolio Selection with Margin Requirements. Journal of Mathematics, 2013, 2013, 1-9.	0.5	3
34	Manipulation of the topology and solid-state spin using a mechanic-based hybrid system. International Journal of Modern Physics B, 0, , .	1.0	1