

T Kanna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9356545/publications.pdf>

Version: 2024-02-01

44
papers

1,463
citations

430442

18
h-index

315357

38
g-index

44
all docs

44
docs citations

44
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Reviving modulational instability with third-order dispersion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 422, 127801.	0.9	4
2	A study on resonant collision in the two-dimensional multi-component long-wave–short-wave resonance system. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022, 478, .	1.0	9
3	Higher-order optical rogue waves in spatially inhomogeneous multimode fiber. <i>Physica D: Nonlinear Phenomena</i> , 2022, 435, 133285.	1.3	9
4	Multiple double-pole bright-bright and bright-dark solitons and energy-exchanging collision in the M -component nonlinear Schrödinger equations. <i>Physical Review E</i> , 2021, 103, 062214.	0.8	10
5	Formation of Bound Soliton Molecules in Multimode Optical Fiber with Temporally Modulated Nonlinearities. , 2021, , .		0
6	Engineering optical rogue waves and breathers in a coupled nonlinear Schrödinger system with four-wave mixing effect. <i>Physica Scripta</i> , 2020, 95, 095202.	1.2	12
7	On the integrability aspects of nonparaxial nonlinear Schrödinger equation and the dynamics of solitary waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126729.	0.9	8
8	Nonlocal M -component nonlinear Schrödinger equations: Bright solitons, energy-sharing collisions, and positons. <i>Physical Review E</i> , 2020, 102, 032201.	0.8	22
9	Numerical study of bright-bright-dark soliton dynamics in the mixed coupled nonlinear Schrödinger system. <i>Optik</i> , 2020, 224, 165633.	1.4	3
10	Manipulation of vector solitons in a system of inhomogeneous coherently coupled nonlinear Schrödinger models with variable nonlinearities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 415701.	0.7	10
11	Spatially modulated two- and three-component Rabi-coupled Gross–Pitaevskii systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 375201.	0.7	8
12	Cubic-quintic nonlinear Helmholtz equation: Modulational instability, chirped elliptic and solitary waves. <i>Chaos</i> , 2019, 29, 063121.	1.0	18
13	Vector rogue waves in integrable M -coupled nonlinear Schrödinger equations. <i>Physica Scripta</i> , 2019, 94, 075205.	1.2	11
14	Lie symmetry analysis and group invariant solutions of the nonlinear Helmholtz equation. <i>Applied Mathematics and Computation</i> , 2018, 331, 457-472.	1.4	13
15	Harnessing energy-sharing collisions of Manakov solitons to implement universal NOR and OR logic gates. <i>Physical Review E</i> , 2018, 97, 060201.	0.8	14
16	Bright-dark and dark-dark solitons in coupled nonlinear Schrödinger equation with PT-symmetric potentials. <i>Chaos</i> , 2017, 27, 123102.	1.0	5
17	Non-autonomous bright solitons and their stability in Rabi coupled binary Bose–Einstein condensates. <i>Journal of Physics Communications</i> , 2017, 1, 045005.	0.5	5
18	Superposed nonlinear waves in coherently coupled Bose–Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3244-3252.	0.9	22

#	ARTICLE	IF	CITATIONS
19	Nonparaxial elliptic waves and solitary waves in coupled nonlinear Helmholtz equations. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 134-148.	1.7	21
20	Explicit construction of single input–single output logic gates from three soliton solution of Manakov system. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 391-401.	1.7	13
21	Dynamics of solitons in multicomponent long wave–short wave resonance interaction system. Pramana - Journal of Physics, 2015, 84, 327-338.	0.9	3
22	Novel energy sharing collisions of multicomponent solitons. Pramana - Journal of Physics, 2015, 85, 881-897.	0.9	13
23	Protocol of networks using energy sharing collisions of bright solitons. Pramana - Journal of Physics, 2015, 85, 1009-1021.	0.9	3
24	Non-autonomous bright matter wave solitons in spinor Bose–Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 158-170.	0.9	17
25	Multicomponent long-wave–short-wave resonance interaction system: Bright solitons, energy-sharing collisions, and resonant solitons. Physical Review E, 2014, 90, 052912.	0.8	39
26	Vector rogue waves and dark-bright boomeronic solitons in autonomous and nonautonomous settings. Physical Review E, 2014, 90, 042912.	0.8	14
27	Elliptic waves in two-component long-wave–short-wave resonance interaction system in one and two dimensions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3093-3101.	0.9	11
28	Mixed solitons in a (2+1)-dimensional multicomponent long-wave–short-wave system. Physical Review E, 2014, 90, 042901.	0.8	23
29	Dynamics of bright soliton bound states in (2+1)-dimensional multicomponent long wave-short wave system. European Physical Journal: Special Topics, 2013, 222, 641-653.	1.2	12
30	Bright solitons in coherently coupled nonlinear Schrödinger equations with alternate signs of nonlinearities. Journal of Mathematical Physics, 2013, 54, .	0.5	44
31	Non-autonomous bright–dark solitons and Rabi oscillations in multi-component Bose–Einstein condensates. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 475201.	0.7	24
32	General multicomponent Yajima-Oikawa system: Painlevé analysis, soliton solutions, and energy-sharing collisions. Physical Review E, 2013, 88, 062921.	0.8	27
33	Multicomponent coherently coupled and incoherently coupled solitons and their collisions. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 285211.	0.7	50
34	Coherently coupled bright optical solitons and their collisions. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 434018.	0.7	66
35	Painlevé singularity structure analysis of three component Gross–Pitaevskii type equations. Journal of Mathematical Physics, 2009, 50, .	0.5	16
36	Multisoliton solutions and energy sharing collisions in coupled nonlinear Schrödinger equations with focusing, defocusing and mixed type nonlinearities. European Physical Journal: Special Topics, 2009, 173, 57-80.	1.2	54

#	ARTICLE	IF	CITATIONS
37	Higher dimensional bright solitons and their collisions in a multicomponent long wave-“short wave system. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 115103.	0.7	28
38	Bright-dark solitons and their collisions in mixed N -coupled nonlinear Schrödinger equations. Physical Review A, 2008, 77, .	1.0	151
39	Periodic energy switching of bright solitons in mixed coupled nonlinear Schrödinger equations with linear self-coupling and cross-coupling terms. Physical Review A, 2007, 76, .	1.0	25
40	Soliton collisions with shape change by intensity redistribution in mixed coupled nonlinear Schrödinger equations. Physical Review E, 2006, 73, 026604.	0.8	154
41	Exact soliton solutions of coupled nonlinear Schrödinger equations: Shape-changing collisions, logic gates, and partially coherent solitons. Physical Review E, 2003, 67, 046617.	0.8	163
42	Effect of phase shift in shape changing collision of solitons in coupled nonlinear Schrödinger equations. European Physical Journal B, 2002, 29, 249-254.	0.6	10
43	Shape changing collisions of optical solitons, universal logic gates and partially coherent solitons in coupled nonlinear Schrödinger equations. Pramana - Journal of Physics, 2001, 57, 885-916.	0.9	23
44	Exact Soliton Solutions, Shape Changing Collisions, and Partially Coherent Solitons in Coupled Nonlinear Schrödinger Equations. Physical Review Letters, 2001, 86, 5043-5046.	2.9	276