

Wen-Rong Sun

List of Publications by Year in descending order

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papers

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citations

567281

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all docs

36
docs citations

36
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Rogue waves of ultra-high peak amplitude: a mechanism for reaching up to a thousand times the background level. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200842.	2.1	6
2	Dynamics of fundamental solitons and rogue waves on the mixed backgrounds. European Physical Journal Plus, 2021, 136, 1.	2.6	3
3	Mechanisms of stationary converted waves and their complexes in the multi-component AB system. Physica D: Nonlinear Phenomena, 2021, 419, 132849.	2.8	21
4	Stability of Elliptic Solutions to the sinh-Gordon Equation. Journal of Nonlinear Science, 2021, 31, 1.	2.1	6
5	Solitons, breathers and rogue waves of the coupled Hirota system with 4 \hat{A} -Lax pair. Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 105055.	3.3	16
6	Vector solitons and rogue waves of the matrix Lakshmanan-Porsezian-Daniel equation. Nonlinear Dynamics, 2020, 102, 1743-1751.	5.2	11
7	Matter rogue waves for the three-component Gross-Pitaevskii equations in the spinor Bose-Einstein condensates. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170276.	2.1	28
8	Vector rogue waves, rogue wave-to-soliton conversions and modulation instability of the higher-order matrix nonlinear Schrödinger equation. European Physical Journal Plus, 2018, 133, 1.	2.6	16
9	Response to "Comment on "Soliton solutions and chaotic motion of the extended Zakharov-Kuznetsov equations in a magnetized two-ion-temperature dusty plasma" [Phys. Plasmas 25 (2018), 104701 (2018)]. Physics of Plasmas, 2018, 25, .	1.9	0
10	Dynamics of superregular breathers in the quintic nonlinear Schrödinger equation. Nonlinear Dynamics, 2018, 94, 977-989.	5.2	51
11	Vector semirational rogue waves and modulation instability for the coupled higher-order nonlinear Schrödinger equations in the birefringent optical fibers. Chaos, 2017, 27, 043114.	2.5	51
12	Nonlinear localized wave conversions for a higher-order nonlinear Schrödinger-Maxwell-Bloch system with quintic terms in an erbium-doped fiber. Nonlinear Dynamics, 2017, 89, 383-390.	5.2	6
13	Breather-to-soliton transitions and nonlinear wave interactions for the nonlinear Schrödinger equation with the sextic operators in optical fibers. Annalen Der Physik, 2017, 529, 1600227.	2.4	24
14	Dynamics of Peregrine combs and Peregrine walls in an inhomogeneous Hirota and Maxwell-Bloch system. Communications in Nonlinear Science and Numerical Simulation, 2017, 47, 190-199.	3.3	35
15	Rogue waves for a coupled nonlinear Schrödinger system in a multi-mode fibre. Journal of Modern Optics, 2016, 63, 1924-1931.	1.3	6
16	Prolongation Structure of a Generalised Inhomogeneous Gardner Equation in Plasmas and Fluids. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 337-343.	1.5	11
17	Conservation Laws and Mixed-Type Vector Solitons for the 3-Coupled Variable-Coefficient Nonlinear Schrödinger Equations in Inhomogeneous Multicomponent Optical Fibre. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 525-539.	1.5	5
18	Breather and double-pole solutions for the Benjamin-Ono equation in a stratified fluid. Waves in Random and Complex Media, 2016, 26, 168-175.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Solitons for the (2+1)-dimensional nonlinear Schrödinger-Maxwell-Bloch equations in an erbium-doped fibre. <i>Journal of Modern Optics</i> , 2016, 63, 590-597.	1.3	6
20	Soliton collisions for a generalized variable-coefficient coupled Hirota-Maxwell-Bloch system for an erbium-doped optical fiber. <i>Journal of Modern Optics</i> , 2015, 62, 1374-1380.	1.3	7
21	Dynamic behavior of the (3+1)-dimensional generalized Johnson model in a dusty plasma. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	0
22	Soliton excitations and interactions for the three-coupled fourth-order nonlinear Schrödinger equations in the alpha helical proteins. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	17
23	Optical rogue waves associated with the negative coherent coupling in an isotropic medium. <i>Physical Review E</i> , 2015, 91, 023205.	2.1	47
24	Soliton collisions and integrable aspects of the fifth-order Korteweg-de Vries equation for shallow water with surface tension. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	4
25	Nonautonomous Matter-Wave Solitons in a Bose-Einstein Condensate with an External Potential. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 074003.	1.6	16
26	Rogue-wave solutions for the Kundu-Eckhaus equation with variable coefficients in an optical fiber. <i>Nonlinear Dynamics</i> , 2015, 81, 1349-1354.	5.2	37
27	Breathers and rogue waves of the fifth-order nonlinear Schrödinger equation in the Heisenberg ferromagnetic spin chain. <i>Nonlinear Dynamics</i> , 2015, 81, 725-732.	5.2	49
28	Solitary wave and multi-front wave collisions for the Bogoyavlenskii-Kadomtsev-Petviashvili equation in physics, biology and electrical networks. <i>Modern Physics Letters B</i> , 2015, 29, 1550192.	1.9	28
29	Multi-soliton Collisions and Bäcklund Transformations for the (2+1)-dimensional Modified Nizhnik-Novikov-Vesselov Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015, 70, 629-635.	1.5	1
30	On the amplification of unchirped soliton pulses in a dispersion-decreasing fiber. <i>Optical and Quantum Electronics</i> , 2015, 47, 139-147.	3.3	5
31	Soliton solutions and Bäcklund transformations of a (2+1)-dimensional nonlinear evolution equation via the Jaulent-Miodek hierarchy. <i>Nonlinear Dynamics</i> , 2014, 78, 2341-2347.	5.2	10
32	Rogue matter waves in a Bose-Einstein condensate with the external potential. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	12
33	Dynamic behavior of the quantum Zakharov-Kuznetsov equations in dense quantum magnetoplasmas. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	39
34	Soliton solutions and chaotic motion of the extended Zakharov-Kuznetsov equations in a magnetized two-ion-temperature dusty plasma. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	48
35	Stochastic dark solitons for a higher-order nonlinear Schrödinger equation in the optical fiber. <i>Journal of Modern Optics</i> , 2013, 60, 1644-1651.	1.3	5
36	Dynamics of the Zakharov-Kuznetsov-Burgers equations in dusty plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	18