

Cong-Cong Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215
papers

3,088
citations

30
h-index

42
g-index

216
ext. papers

3,814
ext. citations

2.8
avg, IF

6.55
L-index

#	Paper	IF	Citations
215	Lax pair, solitons, breathers and modulation instability of a three-component coupled derivative nonlinear Schrödinger system for a plasma. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	7
214	Bright/dark breather-soliton, lump wave-soliton and rogue wave-soliton interactions for a (3+1)-dimensional generalized B-type Kadomtsev-Petviashvili equation in fluid mechanics. <i>Nonlinear Dynamics</i> , 2022 , 108, 1585	5	0
213	N-Fold generalized Darboux transformation and semirational solutions for the Gerdjikov-Ivanov equation for the Alfvén waves in a plasma. <i>Nonlinear Dynamics</i> , 2022 , 108, 1561	5	0
212	Darboux transformation, localized waves and conservation laws for an M-coupled variable-coefficient nonlinear Schrödinger system in an inhomogeneous optical fiber. <i>Chaos, Solitons and Fractals</i> , 2022 , 156, 111719	9.3	6
211	Shallow-water-wave studies on a (2 + 1)-dimensional Hirota-Satsuma-Ito system: X-type soliton, resonant Y-type soliton and hybrid solutions. <i>Chaos, Solitons and Fractals</i> , 2022 , 157, 111861	9.3	6
210	Bilinear auto-Bäcklund transformation, breather-wave and periodic-wave solutions for a (3+1)-dimensional Boiti-Leon-Manna-Pempinelli equation. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	7
209	The higher-order and multi-lump waves for a (3+1)-dimensional generalized variable-coefficient shallow water wave equation in a fluid. <i>Chinese Journal of Physics</i> , 2021 ,	3.5	1
208	In an inhomogeneous multicomponent optical fiber: Lax pair, generalized Darboux transformation and vector breathers for a three-coupled variable-coefficient nonlinear Schrödinger system. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	17
207	Three-component coupled nonlinear Schrödinger system in a multimode optical fiber: Darboux transformation induced via a rank-two projection matrix. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 107, 106097	3.7	8
206	Painlevé analysis, Bäcklund transformations and traveling-wave solutions for a (3 + 1)-dimensional generalized Kadomtsev-Petviashvili equation in a fluid. <i>International Journal of Modern Physics B</i> , 2021 , 35, 2150108	1.1	21
205	Breather-wave, periodic-wave and traveling-wave solutions for a (2 + 1)-dimensional extended Boiti-Leon-Manna-Pempinelli equation for an incompressible fluid. <i>Modern Physics Letters B</i> , 2021 , 35, 2150261	1.6	24
204	Vector solitons for the (2 + 1)-dimensional coupled nonlinear Schrödinger system in the Kerr nonlinear optical fiber. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021 , 101, e202000232	1	232
203	Bilinear Bäcklund transformation, soliton and breather solutions for a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation in fluid dynamics and plasma physics. <i>Physica Scripta</i> , 2021 , 96, 075212	2.6	21
202	In nonlinear optics, fluid dynamics and plasma physics: symbolic computation on a (2+1)-dimensional extended Calogero-Bogoyavlenskii-Schiff system. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	23
201	Bilinear Bäcklund transformation, breather- and travelling-wave solutions for a (2+1)-dimensional extended Kadomtsev-Petviashvili II equation in fluid mechanics. <i>Modern Physics Letters B</i> , 2021 , 35, 2150315	1.6	13
200	Soliton, multiple-lump and hybrid solutions of a (2+1)-dimensional generalized Hirota-Satsuma-Ito equation for the water waves. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	17
199	Lax pair, interactions and conversions of the nonlinear waves for a (2+1)-dimensional nonlinear Schrödinger equation in a Heisenberg ferromagnetic spin chain. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	

198	Solitonic fusion and fission for a $(3 + 1)$ -dimensional generalized nonlinear evolution equation arising in the shallow water waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 405, 127429	2.3	34
197	Bilinear form, soliton, breather, hybrid and periodic-wave solutions for a $(3+1)$ -dimensional Korteweg-de Vries equation in a fluid. <i>Nonlinear Dynamics</i> , 2021 , 105, 2525-2538	5	11
196	Lump, mixed lump-kink, breather and rogue waves for a B-type Kadomtsev-Petviashvili equation. <i>Waves in Random and Complex Media</i> , 2021 , 31, 101-116	1.9	3
195	Breather, lump, shock and travelling-wave solutions for a $(3+1)$ -dimensional generalized Kadomtsev-Petviashvili equation in fluid mechanics and plasma physics. <i>International Journal of Computer Mathematics</i> , 2021 , 98, 1130-1145	1.2	15
194	Bilinear Bäcklund transformation, Lax pair and interactions of nonlinear waves for a generalized $(2 + 1)$ -dimensional nonlinear wave equation in nonlinear optics/fluid mechanics/plasma physics. <i>Nonlinear Dynamics</i> , 2021 , 103, 1785-1794	5	22
193	Bilinear Bäcklund transformation, kink and breather-wave solutions for a generalized $(2+1)$ -dimensional Hirota-Satsuma-Ito equation in fluid mechanics. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	5
192	Bilinear form, bilinear auto-Bäcklund transformation, breather and lump solutions for a $(3(+1))$ -dimensional generalised Yu-Toda-Sasa-Fukuyama equation in a two-layer liquid or a lattice 2021 , 95, 1		21
191	Painlevé analysis, bilinear form, Bäcklund transformation, solitons, periodic waves and asymptotic properties for a generalized Calogero-Bogoyavlenskii-Monopelchenko-Schiff system in a fluid or plasma. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	4
190	Painlevé integrable condition, auto-Bäcklund transformations, Lax pair, breather, lump-periodic-wave and kink-wave solutions of a $(3+1)$ -dimensional Hirota-Satsuma-Ito-like system for the shallow water waves. <i>Nonlinear Dynamics</i> , 2021 , 106, 765-773	5	7
189	Lax pair, conservation laws, Darboux transformation and localized waves of a variable-coefficient coupled Hirota system in an inhomogeneous optical fiber. <i>Chaos, Solitons and Fractals</i> , 2021 , 150, 110487	9.3	45
188	Bäcklund transformations, kink soliton, breather- and travelling-wave solutions for a $(3+1)$ -dimensional B-type Kadomtsev-Petviashvili equation in fluid dynamics. <i>Chinese Journal of Physics</i> , 2021 , 73, 600-612	3.5	27
187	Bilinear auto-Bäcklund transformations and soliton solutions of a $(3+1)$ -dimensional generalized nonlinear evolution equation for the shallow water waves. <i>Applied Mathematics Letters</i> , 2021 , 122, 107307	2.5	61
186	Generalized Darboux transformations, semirational rogue waves, and modulation instability for the three-coupled variable-coefficient nonlinear Schrödinger system in an inhomogeneous multicomponent optical fiber. <i>Modern Physics Letters B</i> , 2021 , 35, 2150020	1.6	6
185	Dark solitons for the coupled spatially modulated Gross-Pitaevskii system in the Bose-Einstein condensation. <i>Modern Physics Letters B</i> , 2020 , 34, 2050282	1.6	31
184	Lax pair, binary Darboux transformation and dark solitons for the three-component Gross-Pitaevskii system in the spinor Bose-Einstein condensate. <i>Nonlinear Dynamics</i> , 2020 , 99, 3001-3011	5	16
183	Characteristics of higher-order vector rogue waves to a coupled fourth-order nonlinear Schrödinger system in a two-mode optical fiber. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	6
182	Periodic-wave and semirational solutions for the $(2 (+) 1)$ -dimensional Davey-Stewartson equations on the surface water waves of finite depth. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020 , 71, 1	1.6	12
181	Vector rational and semi-rational rogue waves for the coupled cubic-quintic nonlinear Schrödinger system in a non-Kerr medium. <i>Applied Numerical Mathematics</i> , 2020 , 153, 179-187	2.5	15

180	Vector bright solitons and their interactions of the couple Fokas-Enells system in a birefringent optical fiber. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020 , 71, 1	1.6	80
179	Lump, lumpoff, rogue wave, breather wave and periodic lump solutions for a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation in fluid mechanics and plasma physics. <i>International Journal of Computer Mathematics</i> , 2020 , 97, 2474-2486	1.2	17
178	Reduction and analytic solutions of a variable-coefficient Korteweg-de Vries equation in a fluid, crystal or plasma. <i>Modern Physics Letters B</i> , 2020 , 34, 2050287	1.6	19
177	Bound-state solitons for a non-linear Schrödinger system with the negatively coherent coupling in a weakly birefringent fiber. <i>Modern Physics Letters B</i> , 2020 , 34, 2050423	1.6	
176	Ablovitz-Kaup-Newell-Segur system, conservation laws and Bäcklund transformation of a variable-coefficient Korteweg-de Vries equation in plasma physics, fluid dynamics or atmospheric science. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050226	1.1	37
175	Lax pair, binary Darboux transformations and dark-soliton interaction of a fifth-order defocusing nonlinear Schrödinger equation for the attosecond pulses in the optical fiber communication. <i>Waves in Random and Complex Media</i> , 2020 , 30, 389-402	1.9	50
174	Chaotic breathers and breather fission/fusion for a vector nonlinear Schrödinger equation in a birefringent optical fiber or wavelength division multiplexed system. <i>Applied Mathematics and Computation</i> , 2020 , 368, 124768	2.7	32
173	Magnetic breathers and chaotic wave fields for a higher-order (2+1)-dimensional nonlinear Schrödinger-type equation in a Heisenberg ferromagnetic spin chain. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 495, 165871	2.8	14
172	Lump, mixed lump-stripe and rogue wave-stripe solutions of a (3+1)-dimensional nonlinear wave equation for a liquid with gas bubbles. <i>Computers and Mathematics With Applications</i> , 2020 , 79, 576-587	2.7	110
171	Breathers, multi-peak solitons, breather-to-soliton transitions and modulation instability of the variable-coefficient fourth-order nonlinear Schrödinger system for an inhomogeneous optical fiber. <i>Chinese Journal of Physics</i> , 2019 , 62, 274-283	3.5	15
170	Optical breathers and rogue waves via the modulation instability for a higher-order generalized nonlinear Schrödinger equation in an optical fiber transmission system. <i>Nonlinear Dynamics</i> , 2019 , 97, 843-852	5	16
169	Lie symmetries, conservation laws and solitons for the AB system with time-dependent coefficients in nonlinear optics or fluid mechanics 2019 , 93, 1		13
168	Breather-like solitons, rogue waves, quasi-periodic/chaotic states for the surface elevation of water waves. <i>Nonlinear Dynamics</i> , 2019 , 97, 21-31	5	9
167	Lax pair, Darboux transformation, vector rational and semi-rational rogue waves for the three-component coupled Hirota equations in an optical fiber. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	9
166	Generalized Darboux Transformations, Rogue Waves, and Modulation Instability for the Coherently Coupled Nonlinear Schrödinger Equations in Nonlinear Optics. <i>Annalen Der Physik</i> , 2019 , 531, 1900011	2.6	52
165	Mixed lump-stripe, bright rogue wave-stripe, dark rogue wave-stripe and dark rogue wave solutions of a generalized Kadomtsev-Petviashvili equation in fluid mechanics. <i>Chinese Journal of Physics</i> , 2019 , 60, 440-449	3.5	55
164	Dark breather waves, dark lump waves and lump wave-soliton interactions for a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation in a fluid. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 166-177	2.7	57
163	Lax pair, breather-to-soliton conversions, localized and periodic waves for a coupled higher-order nonlinear Schrödinger system in a birefringent optical fiber. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	11

162	Vector semirational rogue waves for a coupled nonlinear Schrödinger system in a birefringent fiber. <i>Applied Mathematics Letters</i> , 2019 , 87, 50-56	3.5	13
161	Gramian solutions and soliton interactions for a generalized (3 + 1)-dimensional variable-coefficient Kadomtsev-Petviashvili equation in a plasma or fluid. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20190122	2.4	5
160	Optical breathers and multiple rogue waves via the modulation instability for a complex Ginzburg-Landau equation in the mode-locked laser operation. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	
159	Lax pair, Darboux transformation and rogue waves for the three-coupled fourth-order nonlinear Schrödinger system in an alpha helical protein. <i>Waves in Random and Complex Media</i> , 2019 , 1-21	1.9	3
158	Inelastic interactions, numerical breathers and chaotic wave fields for a focusing Kundu-Eckhaus equation in a nonlinear optical fiber. <i>Waves in Random and Complex Media</i> , 2019 , 1-14	1.9	
157	Symmetry Reductions, Group-Invariant Solutions, and Conservation Laws of a (2+1)-Dimensional Nonlinear Schrödinger Equation in a Heisenberg Ferromagnetic Spin Chain. <i>Annalen Der Physik</i> , 2019 , 531, 1900198	2.6	37
156	Chaotic motions for a perturbed nonlinear Schrödinger equation with the power-law nonlinearity in a nano optical fiber. <i>Applied Mathematics Letters</i> , 2019 , 93, 139-146	3.5	9
155	Lump, lumpoff and rogue waves for a (2 + 1)-dimensional reduced Yu-Toda-Sasa-Fukuyama equation in a lattice or liquid. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	42
154	Conservation laws, binary Darboux transformations and solitons for a higher-order nonlinear Schrödinger system. <i>Chaos, Solitons and Fractals</i> , 2019 , 118, 337-346	9.3	65
153	Semirational rogue waves for the three coupled variable-coefficient nonlinear Schrödinger equations in an inhomogeneous multicomponent optical fibre 2019 , 92, 1		11
152	Bright and dark N-soliton solutions for the (2 + 1)-dimensional Maccari system. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	4
151	Rogue waves for the coupled variable-coefficient fourth-order nonlinear Schrödinger equations in an inhomogeneous optical fiber. <i>Chaos, Solitons and Fractals</i> , 2018 , 109, 90-98	9.3	69
150	Bäcklund transformation and soliton solutions in terms of the Wronskian for the Kadomtsev-Petviashvili-based system in fluid dynamics 2018 , 90, 1		9
149	Lump and rogue waves for the variable-coefficient Kadomtsev-Petviashvili equation in a fluid. <i>Modern Physics Letters B</i> , 2018 , 32, 1850086	1.6	13
148	Rogue waves for a generalized nonlinear Schrödinger equation with distributed coefficients in a monomode optical fiber. <i>Chaos, Solitons and Fractals</i> , 2018 , 107, 266-274	9.3	9
147	Response to Comment on Solitonic and chaotic behaviors for the nonlinear dust-acoustic waves in a magnetized dusty plasma [Phys. Plasmas 24, 094701 (2017)]. <i>Physics of Plasmas</i> , 2018 , 25, 024701	2.1	
146	Darboux transformations, solitons, breathers and rogue waves for the modified Hirota equation with variable coefficients in an inhomogeneous fiber. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	3
145	Mixed lump-kink and rogue wave-kink solutions for a (3 + 1) -dimensional B-type Kadomtsev-Petviashvili equation in fluid mechanics. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	77

144	Dark-dark solitons for a set of the coupled nonlinear Schrödinger equations in a birefringent fiber. <i>Chaos, Solitons and Fractals</i> , 2018 , 107, 216-221	9.3	8
143	Periodic, complexiton solutions and stability for a (2+1)-dimensional variable-coefficient Gross-Pitaevskii equation in the Bose-Einstein condensation. <i>Physica B: Condensed Matter</i> , 2018 , 539, 128-132	2.8	2
142	Soliton interactions, Bäcklund transformations, Lax pair for a variable-coefficient generalized dispersive water-wave system. <i>Waves in Random and Complex Media</i> , 2018 , 28, 343-355	1.9	2
141	Solitonic properties for a forced generalized variable-coefficient Korteweg-de Vries equation for the atmospheric blocking phenomenon. <i>Waves in Random and Complex Media</i> , 2018 , 28, 453-467	1.9	
140	Higher-order rogue wave-like solutions for a nonautonomous nonlinear Schrödinger equation with external potentials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 524-533	3.3	12
139	Rogue waves and lump solitons for a -dimensional B-type Kadomtsev-Petviashvili equation in fluid dynamics. <i>Waves in Random and Complex Media</i> , 2018 , 28, 544-552	1.9	19
138	Solitons, Bäcklund transformation and Lax pair for a (2+1)-dimensional Davey-Stewartson system on surface waves of finite depth. <i>Waves in Random and Complex Media</i> , 2018 , 28, 356-366	1.9	77
137	Lumps and rouge waves for a ((3+1))-dimensional variable-coefficient Kadomtsev-Petviashvili equation in fluid mechanics 2018 , 91, 1		10
136	The Nth-order Darboux transformation, vector dark solitons and breathers for the coupled defocusing Hirota system in a birefringent nonlinear fiber. <i>Chinese Journal of Physics</i> , 2018 , 56, 2241-2253	3.5	7
135	Vector solitons for the coupled Gross-Pitaevskii equations with a time-dependent external harmonic potential in the Bose-Einstein condensation. <i>Superlattices and Microstructures</i> , 2018 , 114, 97-114	2.8	4
134	Conservation laws, solitons, breather and rogue waves for the (2+1)-dimensional variable-coefficient Nizhnik-Novikov-Veselov system in an inhomogeneous medium. <i>Chinese Journal of Physics</i> , 2018 , 56, 645-658	3.5	9
133	Vector solitons for the reduced Maxwell-Bloch equations with variable coefficients in nonlinear optics. <i>Superlattices and Microstructures</i> , 2018 , 113, 194-203	2.8	
132	Lie group analysis, analytic solutions and conservation laws of the (3 + 1)-dimensional Zakharov-Kuznetsov-Burgers equation in a collisionless magnetized electron-positron-ion plasma. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	56
131	Semi-rational solutions for a ((2+1))-dimensional Davey-Stewartson system on the surface water waves of finite depth. <i>Nonlinear Dynamics</i> , 2018 , 94, 3029-3040	5	12
130	Numerical solutions of a variable-coefficient nonlinear Schrödinger equation for an inhomogeneous optical fiber. <i>Computers and Mathematics With Applications</i> , 2018 , 76, 1827-1836	2.7	9
129	Dark-bright solitons and semirational rogue waves for the coupled Sasa-Satsuma equations. <i>Physical Review E</i> , 2018 , 97, 052217	2.4	38
128	Breather wave, rogue wave and lump wave solutions for a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation in fluid. <i>Modern Physics Letters B</i> , 2018 , 32, 1850223	1.6	11
127	Rogue-wave solutions for a discrete Ablowitz-Ladik equation with variable coefficients for an electrical lattice. <i>Nonlinear Dynamics</i> , 2018 , 93, 1635-1645	5	16

126	Multi-soliton solutions and Bäcklund transformation for a two-mode KdV equation in a fluid. <i>Waves in Random and Complex Media</i> , 2017 , 27, 1-14	1.9	19
125	Dark and bright solitons for a three-dimensional Gross-Pitaevskii equation with distributed time-dependent coefficients in the Bose-Einstein condensation. <i>Superlattices and Microstructures</i> , 2017 , 102, 498-511	2.8	3
124	Fusion and fission phenomena for the soliton interactions in a plasma. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	11
123	Vector bright soliton behaviors of the coupled higher-order nonlinear Schrödinger system in the birefringent or two-mode fiber. <i>Chaos</i> , 2017 , 27, 013108	3.3	17
122	Bright and dark solitons for a discrete (2+1)-dimensional Ablowitz-Ladik equation for the nonlinear optics and Bose-Einstein condensation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 50, 201-210	3.7	21
121	Dark solitons for a discrete variable-coefficient Ablowitz-Ladik equation for an electrical/optical system. <i>Journal of Modern Optics</i> , 2017 , 64, 1435-1442	1.1	0
120	Certain bright soliton interactions of the Sasa-Satsuma equation in a monomode optical fiber. <i>Physical Review E</i> , 2017 , 95, 032202	2.4	33
119	Conservation laws and rogue waves for a higher-order nonlinear Schrödinger equation with variable coefficients in the inhomogeneous fiber. <i>Superlattices and Microstructures</i> , 2017 , 107, 310-319	2.8	8
118	Multi-soliton interaction of a generalized Schrödinger-Boussinesq system in a magnetized plasma. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	19
117	Solitons and modulation instability for the three-component Gross-Pitaevskii equations in the spinor Bose-Einstein condensate. <i>Optik</i> , 2017 , 149, 304-320	2.5	1
116	Soliton collisions of a discrete Ablowitz-Ladik equation with variable coefficients for an electrical/optical system. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	0
115	Solitons, bilinear Bäcklund transformations and conservation laws for a -dimensional Bogoyavlenskii-Kadomtsev-Petviashvili equation in a fluid, plasma or ferromagnetic thin film. <i>Journal of Modern Optics</i> , 2017 , 64, 725-731	1.1	24
114	Solitons, Lax pair and infinitely-many conservation laws for a higher-order nonlinear Schrödinger equation in an optical fiber. <i>Optik</i> , 2017 , 132, 417-426	2.5	20
113	Semirational rogue waves for the three-coupled fourth-order nonlinear Schrödinger equations in an alpha helical protein. <i>Superlattices and Microstructures</i> , 2017 , 112, 362-373	2.8	14
112	Solitons, Lie Group Analysis and Conservation Laws of a (3+1)-Dimensional Modified Zakharov-Kuznetsov Equation in a Multicomponent Magnetised Plasma. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 1159-1171	1.4	3
111	Discrete Solitons and Bäcklund Transformation for the Coupled Ablowitz-Ladik Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 963-972	1.4	0
110	Bell-polynomial approach and Wronskian determinant solutions for three sets of differential-difference nonlinear evolution equations with symbolic computation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017 , 68, 1	1.6	1
109	Vector Dark Solitons for a Coupled Nonlinear Schrödinger System with Variable Coefficients in an Inhomogeneous Optical Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 779-787	1.4	9

108	Lax pair and vector solitons for a variable-coefficient coherently-coupled nonlinear Schrödinger system in the nonlinear birefringent optical fiber. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1363-1375	1.3	5
107	Solitonic interaction and Pfaffianization for a (3+1)-dimensional potential Yu-Toda-Basa-Bukuyama equation in a two-layer liquid. <i>Chinese Journal of Physics</i> , 2017 , 55, 2106-2114	3.5	5
106	Solitons and breather-to-soliton transitions for an integrable higher-order variable-coefficient nonlinear Schrödinger equation in an optical fiber. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	4
105	Wronskian and Grammian solutions for a (2+1)-dimensional Date-Imbo-Kashiwara-Miwa equation. <i>Computers and Mathematics With Applications</i> , 2017 , 74, 873-879	2.7	22
104	Rogue waves and lump solutions for a (3+1)-dimensional generalized B-type Kadomtsev-Petviashvili equation in fluid mechanics. <i>Modern Physics Letters B</i> , 2017 , 31, 1750122	1.6	26
103	Soliton interactions of a (2+1)-dimensional nonlinear Schrödinger equation in a nonlinear photonic quasicrystal or Kerr medium. <i>Modern Physics Letters B</i> , 2017 , 31, 1750130	1.6	
102	Dark soliton collisions for an N-coupled nonlinear Schrödinger system in the inhomogeneous optical fiber. <i>Waves in Random and Complex Media</i> , 2017 , 27, 265-271	1.9	1
101	Solitons, periodic waves, breathers and integrability for a nonisospectral and variable-coefficient fifth-order Korteweg-de Vries equation in fluids. <i>Applied Mathematics Letters</i> , 2017 , 65, 48-55	3.5	29
100	Analytic study on certain solitons in an erbium-doped optical fibre. <i>Journal of Modern Optics</i> , 2017 , 64, 366-373	1.1	12
99	Soliton fusion and fission in a generalized variable-coefficient fifth-order Korteweg-de Vries equation in fluids. <i>Applied Mathematics and Computation</i> , 2017 , 292, 448-456	2.7	21
98	Dynamic behaviors for a perturbed nonlinear Schrödinger equation with the power-law nonlinearity in a non-Kerr medium. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 45, 93-103	3.7	35
97	Dark solitons and Bäcklund transformation for the (2+1)-dimensional coupled nonlinear Schrödinger equation with the variable coefficients in a graded-index waveguide. <i>Superlattices and Microstructures</i> , 2017 , 101, 117-126	2.8	15
96	Solitonic interaction and Bäcklund transformation for a generalized inhomogeneous coupled nonlinear Schrödinger system. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	1
95	Analysis of the generalized (2+1)-dimensional Nizhnik-Novikov-Veselov equations with variable coefficients in an inhomogeneous medium. <i>Modern Physics Letters B</i> , 2017 , 31, 1750135	1.6	
94	Solitons for the (3 + 1)-dimensional coupled nonlinear Schrödinger equations in the inhomogeneous parity-time-symmetric coupler with gain or loss. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	
93	Composite rogue waves and modulation instability for the three-coupled Hirota system in an optical fiber. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	
92	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	1.1	5
91	Dark solitons and rouge waves for a (2+1)-dimensional Gross-Pitaevskii equation with time-varying trapping potential in the Bose-Einstein condensate. <i>Journal of Modern Optics</i> , 2016 , 63, 2332-2338	1.1	

90	Mixed-type soliton solutions for the N-coupled Hirota system in an optical fiber. <i>Computers and Mathematics With Applications</i> , 2016 , 72, 807-819	2.7	8
89	Dark soliton collisions for a fourth-order variable-coefficient nonlinear Schrödinger equation in an inhomogeneous Heisenberg ferromagnetic spin chain or alpha helical protein. <i>Nonlinear Dynamics</i> , 2016 , 86, 131-135	5	23
88	Dark soliton collisions of a discrete Ablowitz-Ladik equation for an electrical/optical system. <i>Optical Engineering</i> , 2016 , 55, 106122	1.1	2
87	Lump Solutions for the (3+1)-Dimensional Kadomtsev-Petviashvili Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016 , 71, 1139-1141	1.4	6
86	Conservation laws, bilinear Bäcklund transformations and solitons for a nonautonomous nonlinear Schrödinger equation with external potentials. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 39, 472-480	3.7	26
85	Soliton Solutions of a Generalised Nonlinear Schrödinger-Maxwell-Bloch System in the Erbium-Doped Optical Fibre. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016 , 71, 241-247	1.4	2
84	Breather and double-pole solutions for the Benjamin-Ono equation in a stratified fluid. <i>Waves in Random and Complex Media</i> , 2016 , 26, 168-175	1.9	4
83	Bäcklund transformation and N-shock-wave solutions for a (3+1)-dimensional nonlinear evolution equation. <i>Nonlinear Dynamics</i> , 2016 , 84, 851-861	5	3
82	Rogue-wave solutions for an inhomogeneous nonlinear system in a geophysical fluid or inhomogeneous optical medium. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 36, 266-272	3.7	7
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80	Soliton solutions and chaotic motions for the (2+1)-dimensional Zakharov equations in a laser-induced plasma. <i>Computers and Mathematics With Applications</i> , 2016 , 71, 1337-1348	2.7	
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73	Analytic study on a (2+1)-dimensional nonlinear Schrödinger equation in the Heisenberg ferromagnetism. <i>Computers and Mathematics With Applications</i> , 2016 , 71, 2001-2007	2.7	39

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63	Rogue-wave solutions for the Kundu-Eckhaus equation with variable coefficients in an optical fiber. <i>Nonlinear Dynamics</i> , 2015 , 81, 1349-1354	5	31
62	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	40
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13	Rogue and lump waves for the (3+1)-dimensional Yu-Toda-Sasa-Fukuyama equation in a liquid or lattice. <i>International Journal of Modern Physics B</i> ,	1.1	10
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10	Lax pair, Darboux transformation, breathers and rogue waves of an (pmb {N})-coupled nonautonomous nonlinear Schrödinger system for an optical fiber or a plasma. <i>Nonlinear Dynamics</i> , 1	5	16
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4	Lax pair, Darboux transformation and rogue-periodic waves of a nonlinear Schrödinger-Hirota equation with the spatio-temporal dispersion and Kerr law nonlinearity in nonlinear optics. <i>Modern Physics Letters B</i> , 2150451	1.6	7
3	Painlevé analysis, auto-Bäcklund transformation and analytic solutions of a (2+1)-dimensional generalized Burgers system with the variable coefficients in a fluid. <i>Nonlinear Dynamics</i> , 1	5	16
2	Studies on certain bilinear form, N-soliton, higher-order breather, periodic-wave and hybrid solutions to a (3+1)-dimensional shallow water wave equation with time-dependent coefficients. <i>Nonlinear Dynamics</i> , 1	5	9
1	Singular soliton, shock-wave, breather-stripe soliton, hybrid solutions and numerical simulations for a (2+1)-dimensional Caudrey-Dodd-Gibbon-Kotera-Bawada system in fluid mechanics. <i>Nonlinear Dynamics</i> , 1	5	0

