Cong-Cong Hu

List of Publications by Citations

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	Lump, mixed lump-stripe and rogue wave-stripe solutions of a (3+1)-dimensional nonlinear wave equation for a liquid with gas bubbles. *Computers and Mathematics With Applications*, **2020**, 79, 576-587	2.7	110
214	Vector bright solitons and their interactions of the couple Fokas□enells system in a birefringent optical fiber. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2020**, 71, 1	1.6	80
213	Mixed lump-kink and rogue wave-kink solutions for a (3 + 1) -dimensional B-type Kadomtsev-Petviashvili equation in fluid mechanics. *European Physical Journal Plus*, **2018**, 133, 1	3.1	77
212	Solitons, B□klund transformation and Lax pair for a (2+1)-dimensional Davey-Stewartson system on surface waves of finite depth. *Waves in Random and Complex Media*, **2018**, 28, 356-366	1.9	77
211	Rogue waves for the coupled variable-coefficient fourth-order nonlinear Schr□dinger equations in an inhomogeneous optical fiber. *Chaos, Solitons and Fractals*, **2018**, 109, 90-98	9.3	69
210	Conservation laws, binary Darboux transformations and solitons for a higher-order nonlinear Schr□dinger system. *Chaos, Solitons and Fractals*, **2019**, 118, 337-346	9.3	65
209	Bilinear auto-B□klund transformations and soliton solutions of a (3+1)-dimensional generalized nonlinear evolution equation for the shallow water waves. *Applied Mathematics Letters*, **2021**, 122, 107301	3.5	61
208	Dark breather waves, dark lump waves and lump wave□soliton interactions for a (3+1)-dimensional generalized Kadomtsev□Petviashvili equation in a fluid. *Computers and Mathematics With Applications*, **2019**, 78, 166-177	2.7	57
207	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. *European Physical Journal Plus*, **2018**, 133, 1	3.1	56
206	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. *Chinese Journal of Physics*, **2019**, 60, 440-449	3.5	55
205	Generalized Darboux Transformations, Rogue Waves, and Modulation Instability for the Coherently Coupled Nonlinear Schr□dinger Equations in Nonlinear Optics. *Annalen Der Physik*, **2019**, 531, 1900011	2.6	52
204	Lax pair, binary Darboux transformations and dark-soliton interaction of a fifth-order defocusing nonlinear Schr□dinger equation for the attosecond pulses in the optical fiber communication. *Waves in Random and Complex Media*, **2020**, 30, 389-402	1.9	50
203	Lax pair, conservation laws, Darboux transformation and localized waves of a variable-coefficient coupled Hirota system in an inhomogeneous optical fiber. *Chaos, Solitons and Fractals*, **2021**, 150, 110487	9.3	45
202	Dark solitons interaction for a (2+1)-dimensional nonlinear Schr□dinger equation in the Heisenberg ferromagnetic spin chain. *Superlattices and Microstructures*, **2016**, 100, 587-595	2.8	43
201	Lump, lumpoff and rogue waves for a (2 + 1)-dimensional reduced Yu-Toda-Sasa-Fukuyama equation in a lattice or liquid. *European Physical Journal Plus*, **2019**, 134, 1	3.1	42
200	Breathers and rogue waves of the fifth-order nonlinear Schr□dinger equation in the Heisenberg ferromagnetic spin chain. *Nonlinear Dynamics*, **2015**, 81, 725-732	5	40
199	Optical rogue waves associated with the negative coherent coupling in an isotropic medium. *Physical Review E*, **2015**, 91, 023205	2.4	39

198	Analytic study on a (2+1)-dimensional nonlinear Schrödinger equation in the Heisenberg ferromagnetism. *Computers and Mathematics With Applications*, **2016**, 71, 2001-2007	2.7	39
197	Dark-bright solitons and semirational rogue waves for the coupled Sasa-Satsuma equations. *Physical Review E*, **2018**, 97, 052217	2.4	38
196	Symmetry Reductions, Group-Invariant Solutions, and Conservation Laws of a (2+1)-Dimensional Nonlinear Schrödinger Equation in a Heisenberg Ferromagnetic Spin Chain. *Annalen Der Physik*, **2019**, 531, 1900198	2.6	37
195	Ablowitz–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. *International Journal of Modern Physics B*, **2020**, 34, 2050226	1.1	37
194	Dynamic behaviors and soliton solutions of the modified Zakharov–Kuznetsov equation in the electrical transmission line. *Computers and Mathematics With Applications*, **2014**, 68, 579-588	2.7	36
193	Dynamic behaviors for a perturbed nonlinear Schrödinger equation with the power-law nonlinearity in a non-Kerr medium. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 45, 93-103	3.7	35
192	Bäcklund transformations and soliton solutions for a ((3+1))-dimensional B-type Kadomtsev–Petviashvili equation in fluid dynamics. *Nonlinear Dynamics*, **2015**, 80, 1-7	5	34
191	Solitonic fusion and fission for a (3 + 1)-dimensional generalized nonlinear evolution equation arising in the shallow water waves. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 405, 127429	2.3	34
190	Certain bright soliton interactions of the Sasa-Satsuma equation in a monomode optical fiber. *Physical Review E*, **2017**, 95, 032202	2.4	33
189	Integrability and soliton-like solutions for the coupled higher-order nonlinear Schrödinger equations with variable coefficients in inhomogeneous optical fibers. *Communications in Nonlinear Science and Numerical Simulation*, **2014**, 19, 1783-1791	3.7	33
188	Chaotic breathers and breather fission/fusion for a vector nonlinear Schrödinger equation in a birefringent optical fiber or wavelength division multiplexed system. *Applied Mathematics and Computation*, **2020**, 368, 124768	2.7	32
187	Rogue-wave solutions for the Kundu–Eckhaus equation with variable coefficients in an optical fiber. *Nonlinear Dynamics*, **2015**, 81, 1349-1354	5	31
186	Dark–dark solitons for the coupled spatially modulated Gross–Pitaevskii system in the Bose–Einstein condensation. *Modern Physics Letters B*, **2020**, 34, 2050282	1.6	31
185	Solitons, periodic waves, breathers and integrability for a nonisospectral and variable-coefficient fifth-order Korteweg–de Vries equation in fluids. *Applied Mathematics Letters*, **2017**, 65, 48-55	3.5	29
184	Symbolic computation on soliton solutions for variable-coefficient nonlinear Schrödinger equation in nonlinear optics. *Optical and Quantum Electronics*, **2012**, 43, 147-162	2.4	27
183	Bäcklund transformations, kink soliton, breather- and travelling-wave solutions for a (3+1)-dimensional B-type Kadomtsev–Petviashvili equation in fluid dynamics. *Chinese Journal of Physics*, **2021**, 73, 600-612	3.5	27
182	Conservation laws, bilinear Bäcklund transformations and solitons for a nonautonomous nonlinear Schrödinger equation with external potentials. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 39, 472-480	3.7	26
181	Solitons and bilinear Bäcklund transformations for a (3+1)-dimensional Yu–Toda–Sasa–Fukuyama equation in a liquid or lattice. *Applied Mathematics Letters*, **2016**, 58, 178-183	3.5	26

180	Rogue waves and lump solutions for a (3+1)-dimensional generalized B-type Kadomtsev□Petviashvili equation in fluid mechanics. *Modern Physics Letters B*, **2017**, 31, 1750122	1.6	26
179	Solitons, bilinear B□klund transformations and conservation laws for a -dimensional Bogoyavlenskii-Kadontsev-Petviashili equation in a fluid, plasma or ferromagnetic thin film. *Journal of Modern Optics*, **2017**, 64, 725-731	1.1	24
178	Breather-wave, periodic-wave and traveling-wave solutions for a (2 + 1)-dimensional extended Boiti□Leon□Manna□Pempinelli equation for an incompressible fluid. *Modern Physics Letters B*, **2021**, 35, 2150261	1.6	24
177	Dark soliton collisions for a fourth-order variable-coefficient nonlinear Schr□inger equation in an inhomogeneous Heisenberg ferromagnetic spin chain or alpha helical protein. *Nonlinear Dynamics*, **2016**, 86, 131-135	5	23
176	Dust ion-acoustic rogue waves in a three-species ultracold quantum dusty plasmas. *Annals of Physics*, **2014**, 349, 366-373	2.5	23
175	B□klund transformations, Lax pair and solutions of a Sharma-Tasso-Olver-Burgers equation for the nonlinear dispersive waves. *Modern Physics Letters B*,	1.6	23
174	In nonlinear optics, fluid dynamics and plasma physics: symbolic computation on a (2+1)-dimensional extended Calogero□Bogoyavlenskii□Schiff system. *European Physical Journal Plus* , **2021**, 136, 1	3.1	23
173	Wronskian and Grammian solutions for a(2+1)-dimensional Date□imbo□Kashiwara□Miwa equation. *Computers and Mathematics With Applications*, **2017**, 74, 873-879	2.7	22
172	Bilinear B□klund transformation, Lax pair and interactions of nonlinear waves for a generalized (2 + 1)-dimensional nonlinear wave equation in nonlinear optics/fluid mechanics/plasma physics. *Nonlinear Dynamics*, **2021**, 103, 1785-1794	5	22
171	Bright and dark solitons for a discrete (2+1)-dimensional Ablowitz□ladik equation for the nonlinear optics and Bose□Einstein condensation. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 50, 201-210	3.7	21
170	Soliton fusion and fission in a generalized variable-coefficient fifth-order Korteweg-de Vries equation in fluids. *Applied Mathematics and Computation*, **2017**, 292, 448-456	2.7	21
169	Painlev□analysis, B□klund transformations and traveling-wave solutions for a (3 + 1)-dimensional generalized Kadomtsev□Petviashvili equation in a fluid. *International Journal of Modern Physics B*, **2021**, 35, 2150108	1.1	21
168	Bilinear B□klund transformation, soliton and breather solutions for a (3+1)-dimensional generalized Kadomtsev-Petviashvili equation in fluid dynamics and plasma physics. *Physica Scripta*, **2021**, 96, 075212	2.6	21
167	Bilinear form, bilinear auto-B□klund 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
166	Solitons, Lax pair and infinitely-many conservation laws for a higher-order nonlinear Schr□inger equation in an optical fiber. *Optik*, **2017**, 132, 417-426	2.5	20
165	Solitary wave and multi-front wave collisions for the Bogoyavlenskii□Kadomtsev□Petviashili equation in physics, biology and electrical networks. *Modern Physics Letters B*, **2015**, 29, 1550192	1.6	20
164	Multi-soliton solutions and B□klund transformation for a two-mode KdV equation in a fluid. *Waves in Random and Complex Media*, **2017**, 27, 1-14	1.9	19
163	Multi-soliton interaction of a generalized Schr□inger-Boussinesq system in a magnetized plasma. *European Physical Journal Plus*, **2017**, 132, 1	3.1	19

162	Rogue waves and lump solitons for a -dimensional B-type KadomtsevPetviashvili equation in fluid dynamics. *Waves in Random and Complex Media*, **2018**, 28, 544-552	1.9	19
161	Darboux transformation and soliton solutions for the generalized coupled variable-coefficient nonlinear Schringer-Maxwell-Bloch system with symbolic computation. *Computational Mathematics and Mathematical Physics*, **2012**, 52, 565-577	0.9	19
160	Soliton solutions for the reduced MaxwellBloch system in nonlinear optics via the N-fold Darboux transformation. *Nonlinear Dynamics*, **2012**, 69, 2009-2020	5	19
159	Reduction and analytic solutions of a variable-coefficient Kortewegde Vries equation in a fluid, crystal or plasma. *Modern Physics Letters B*, **2020**, 34, 2050287	1.6	19
158	Vector bright soliton behaviors of the coupled higher-order nonlinear Schringer system in the birefringent or two-mode fiber. *Chaos*, **2017**, 27, 013108	3.3	17
157	In an inhomogeneous multicomponent optical fiber: Lax pair, generalized Darboux transformation and vector breathers for a three-coupled variable-coefficient nonlinear Schringer system. *European Physical Journal Plus*, **2021**, 136, 1	3.1	17
156	Lump, lumpoff, rogue wave, breather wave and periodic lump solutions for a (3+1)-dimensional generalized KadomtsevPetviashvili equation in fluid mechanics and plasma physics. *International Journal of Computer Mathematics*, **2020**, 97, 2474-2486	1.2	17
155	Soliton, multiple-lump and hybrid solutions of a (2+1)-dimensional generalized Hirota-Satsuma-Ito equation for the water waves. *European Physical Journal Plus*, **2021**, 136, 1	3.1	17
154	Optical breathers and rogue waves via the modulation instability for a higher-order generalized nonlinear Schringer equation in an optical fiber transmission system. *Nonlinear Dynamics*, **2019**, 97, 843-852	5	16
153	Solitons via an auxiliary function for an inhomogeneous higher-order nonlinear Schringer equation in optical fiber communications. *Nonlinear Dynamics*, **2015**, 79, 721-729	5	16
152	Lax pair, binary Darboux transformation and dark solitons for the three-component GrossPitaevskii system in the spinor BoseEinstein condensate. *Nonlinear Dynamics*, **2020**, 99, 3001-3011	5	16
151	Lax pair, Darboux transformation, breathers and rogue waves of an (pmb {N})-coupled nonautonomous nonlinear Schringer system for an optical fiber or a plasma. *Nonlinear Dynamics*,1	5	16
150	Rogue-wave solutions for a discrete AblowitzLadik equation with variable coefficients for an electrical lattice. *Nonlinear Dynamics*, **2018**, 93, 1635-1645	5	16
149	Painlevanalysis, auto-Bklund transformation and analytic solutions of a (2$$+$$1)-dimensional generalized Burgers system with the variable coefficients in a fluid. *Nonlinear Dynamics*,1	5	16
148	Breathers, multi-peak solitons, breather-to-soliton transitions and modulation instability of the variable-coefficient fourth-order nonlinear Schringer system for an inhomogeneous optical fiber. *Chinese Journal of Physics*, **2019**, 62, 274-283	3.5	15
147	Vector rational and semi-rational rogue waves for the coupled cubic-quintic nonlinear Schringer system in a non-Kerr medium. *Applied Numerical Mathematics*, **2020**, 153, 179-187	2.5	15
146	Bright hump solitons for the higher-order nonlinear Schringer equation in optical fibers. *Nonlinear Dynamics*, **2013**, 74, 1053-1063	5	15
145	Dark solitons and Bklund transformation for the (2+1)-dimensional coupled nonlinear Schringer equation with the variable coefficients in a graded-index waveguide. *Superlattices and Microstructures*, **2017**, 101, 117-126	2.8	15

144	Solitons and their collisions in the spinor Bose–Einstein condensates. *Nonlinear Dynamics*, **2012**, 69, 1137-1148	5	15
143	Breather, lump, shock and travelling-wave solutions for a (3+1)-dimensional generalized Kadomtsev–Petviashvili equation in fluid mechanics and plasma physics. *International Journal of Computer Mathematics*, **2021**, 98, 1130-1145	1.2	15
142	Semirational rogue waves for the three-coupled fourth-order nonlinear Schrödinger equations in an alpha helical protein. *Superlattices and Microstructures*, **2017**, 112, 362-373	2.8	14
141	Rogue wave solutions for a generalized nonautonomous nonlinear equation in a nonlinear inhomogeneous fiber. *Annals of Physics*, **2015**, 362, 884-892	2.5	14
140	Magnetic breathers and chaotic wave fields for a higher-order (2+1)-dimensional nonlinear Schrödinger-type equation in a Heisenberg ferromagnetic spin chain. *Journal of Magnetism and Magnetic Materials*, **2020**, 495, 165871	2.8	14
139	Lie symmetries, conservation laws and solitons for the AB system with time-dependent coefficients in nonlinear optics or fluid mechanics **2019**, 93, 1		13
138	Nonautonomous Matter-Wave Solitons in a Bose–Einstein Condensate with an External Potential. *Journal of the Physical Society of Japan*, **2015**, 84, 074003	1.5	13
137	Lump and rogue waves for the variable-coefficient Kadomtsev–Petviashvili equation in a fluid. *Modern Physics Letters B*, **2018**, 32, 1850086	1.6	13
136	Vector semirational rogue waves for a coupled nonlinear Schrödinger system in a birefringent fiber. *Applied Mathematics Letters*, **2019**, 87, 50-56	3.5	13
135	Soliton excitations and interactions for the three-coupled fourth-order nonlinear Schrödinger equations in the alpha helical proteins. *European Physical Journal D*, **2015**, 69, 1	1.3	13
134	Darboux dressing transformation and superregular breathers for a coupled nonlinear Schrödinger system with the negative coherent coupling in a weakly birefringent fibre. *International Journal of Computer Mathematics*,1-16	1.2	13
133	Bilinear Bäcklund transformation, breather- and travelling-wave solutions for a (2+1)-dimensional extended Kadomtsev–Petviashvili II equation in fluid mechanics. *Modern Physics Letters B*, **2021**, 35, 2150315	1.6	13
132	Periodic-wave and semirational solutions for the (2 (+) 1)-dimensional Davey–Stewartson equations on the surface water waves of finite depth. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2020**, 71, 1	1.6	12
131	Higher-order rogue wave-like solutions for a nonautonomous nonlinear Schrödinger equation with external potentials. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 492, 524-533	3.3	12
130	Mixed-type solitons for the coupled higher-order nonlinear Schrödinger equations in multi-mode and birefringent fibers. *Journal of Modern Optics*, **2013**, 60, 629-636	1.1	12
129	Analytic study on certain solitons in an erbium-doped optical fibre. *Journal of Modern Optics*, **2017**, 64, 366-373	1.1	12
128	Semi-rational solutions for a ((2+1))-dimensional Davey–Stewartson system on the surface water waves of finite depth. *Nonlinear Dynamics*, **2018**, 94, 3029-3040	5	12
127	Fusion and fission phenomena for the soliton interactions in a plasma. *European Physical Journal Plus*, **2017**, 132, 1	3.1	11

126	Lax pair, breather-to-soliton conversions, localized and periodic waves for a coupled higher-order nonlinear Schrödinger system in a birefringent optical fiber. *European Physical Journal Plus*, **2019**, 134, 1	3.1	11
125	Dark solitonic excitations and collisions from a fourth-order dispersive nonlinear Schrödinger model for the alpha helical protein. *Communications in Nonlinear Science and Numerical Simulation*, **2014**, 19, 520-529	3.7	11
124	Bell-polynomial approach and soliton solutions for the Zhiber–Shabat equation and (2+1)-dimensional Gardner equation with symbolic computation. *Nonlinear Dynamics*, **2012**, 69, 2031-2040	5	11
123	Bilinear form and soliton interactions for the modified Kadomtsev–Petviashvili equation in fluid dynamics and plasma physics. *Nonlinear Dynamics*, **2013**, 73, 1343-1352	5	11
122	Bilinear form, soliton, breather, hybrid and periodic-wave solutions for a (3+1)-dimensional Korteweg–de Vries equation in a fluid. *Nonlinear Dynamics*, **2021**, 105, 2525-2538	5	11
121	Semirational rogue waves for the three coupled variable-coefficient nonlinear Schrödinger equations in an inhomogeneous multicomponent optical fibre **2019**, 92, 1		11
120	Breather wave, rogue wave and lump wave solutions for a (3+1)-dimensional generalized Kadomtsev–Petviashvili equation in fluid. *Modern Physics Letters B*, **2018**, 32, 1850223	1.6	11
119	Mixed-type vector solitons for the coupled cubic–quintic nonlinear Schrödinger equations with variable coefficients in an optical fiber. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 434, 296-304	3.3	10
118	Lumps and rouge waves for a ((3+1))-dimensional variable-coefficient Kadomtsev–Petviashvili equation in fluid mechanics **2018**, 91, 1		10
117	Soliton interactions in a generalized inhomogeneous coupled Hirota–Maxwell–Bloch system. *Nonlinear Dynamics*, **2012**, 67, 2799-2806	5	10
116	Interactions of breathers and solitons of a generalized variable-coefficient Korteweg-de Vries-modified Korteweg-de Vries equation with symbolic computation. *European Physical Journal D*, **2012**, 66, 1	1.3	10
115	Rogue and lump waves for the (3+1)-dimensional Yu-Toda-Sasa-Fukuyama equation in a liquid or lattice. *International Journal of Modern Physics B*,	1.1	10
114	High-order rogue waves of the coupled nonlinear Schrödinger equations with negative coherent coupling in an isotropic medium. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 39, 538-544	3.7	10
113	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	1.4	10
112	Breather-like solitons, rogue waves, quasi-periodic/chaotic states for the surface elevation of water waves. *Nonlinear Dynamics*, **2019**, 97, 21-31	5	9
111	Lax pair, Darboux transformation, vector rational and semi-rational rogue waves for the three-component coupled Hirota equations in an optical fiber. *European Physical Journal Plus*, **2019**, 134, 1	3.1	9
110	Bäcklund transformation and soliton solutions in terms of the Wronskian for the Kadomtsev–Petviashvili-based system in fluid dynamics **2018**, 90, 1		9
109	Rogue waves for a generalized nonlinear Schrödinger equation with distributed coefficients in a monomode optical fiber. *Chaos, Solitons and Fractals*, **2018**, 107, 266-274	9.3	9

108	Vector Dark Solitons for a Coupled Nonlinear Schrödinger System with Variable Coefficients in an Inhomogeneous Optical Fibre. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2017**, 72, 779-787	1.4	9
107	Solitons, Bäcklund transformation and Lax pair for a generalized variable-coefficient Boussinesq system in the two-layered fluid flow. *Modern Physics Letters B*, **2016**, 30, 1650383	1.6	9
106	Chaotic motions for a perturbed nonlinear Schrödinger equation with the power-law nonlinearity in a nano optical fiber. *Applied Mathematics Letters*, **2019**, 93, 139-146	3.5	9
105	Conservation laws, solitons, breather and rogue waves for the (2+1)-dimensional variable-coefficient Nizhnik–Novikov–Veselov system in an inhomogeneous medium. *Chinese Journal of Physics*, **2018**, 56, 645-658	3.5	9
104	Numerical solutions of a variable-coefficient nonlinear Schrödinger equation for an inhomogeneous optical fiber. *Computers and Mathematics With Applications*, **2018**, 76, 1827-1836	2.7	9
103	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. *Nonlinear Dynamics*,1	5	9
102	Conservation laws and rogue waves for a higher-order nonlinear Schrödinger equation with variable coefficients in the inhomogeneous fiber. *Superlattices and Microstructures*, **2017**, 107, 310-319	2.8	8
101	Dark-dark solitons for a set of the coupled nonlinear Schrödinger equations in a birefringent fiber. *Chaos, Solitons and Fractals*, **2018**, 107, 216-221	9.3	8
100	Mixed-type soliton solutions for the N-coupled Hirota system in an optical fiber. *Computers and Mathematics With Applications*, **2016**, 72, 807-819	2.7	8
99	Soliton solutions and Bäcklund transformations of a (2 + 1)-dimensional nonlinear evolution equation via the Jaulent–Miodek hierarchy. *Nonlinear Dynamics*, **2014**, 78, 2341-2347	5	8
98	Three-component coupled nonlinear Schrödinger system in a multimode optical fiber: Darboux transformation induced via a rank-two projection matrix. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 107, 106097	3.7	8
97	Rogue-wave solutions for an inhomogeneous nonlinear system in a geophysical fluid or inhomogeneous optical medium. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 36, 266-272	3.7	7
96	The Nth-order Darboux transformation, vector dark solitons and breathers for the coupled defocusing Hirota system in a birefringent nonlinear fiber. *Chinese Journal of Physics*, **2018**, 56, 2241-2253	3.5	7
95	Soliton Interactions for the Three-Coupled Discrete Nonlinear Schrödinger Equations in the Alpha Helical Proteins. *Studies in Applied Mathematics*, **2014**, 132, 65-80	2.1	7
94	Soliton collisions for a generalized variable-coefficient coupled Hirota–Maxwell–Bloch system for an erbium-doped optical fiber. *Journal of Modern Optics*, **2015**, 62, 1374-1380	1.1	7
93	Rogue matter waves in a Bose-Einstein condensate with the external potential. *European Physical Journal D*, **2014**, 68, 1	1.3	7
92	Lax pair, solitons, breathers and modulation instability of a three-component coupled derivative nonlinear Schrödinger system for a plasma. *European Physical Journal Plus*, **2022**, 137, 1	3.1	7
91	Bilinear auto-Bäcklund transformation, breather-wave and periodic-wave solutions for a (3+1)-dimensional Boiti–Leon–Manna–Pempinelli equation. *European Physical Journal Plus*, **2021**, 136, 1	3.1	7

90	Darboux transformation, generalized Darboux transformation and vector breather solutions for a coupled variable-coefficient cubic-quintic nonlinear Schrödinger system in a non-Kerr medium, twin-core nonlinear optical fiber or waveguide. *Waves in Random and Complex Media*,1-15	1.9	7
89	Soliton and rogue-wave solutions for a (2 + 1)-dimensional fourth-order nonlinear Schrödinger equation in a Heisenberg ferromagnetic spin chain. *Nonlinear Dynamics*, **2016**, 86, 369-380	5	7
88	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. *Modern Physics Letters B*,2150451	1.6	7
87	Painlev(acute{mathrm{e}}) 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. *Nonlinear Dynamics*, **2021**, 106, 765-773	5	7
86	Characteristics of higher-order vector rogue waves to a coupled fourth-order nonlinear Schrödinger system in a two-mode optical fiber. *European Physical Journal Plus*, **2020**, 135, 1	3.1	6
85	Lump Solutions for the (3+1)-Dimensional Kadomtsev–Petviashvili Equation. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2016**, 71, 1139-1141	1.4	6
84	Integrability and soliton solutions for an . *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 4532-4542	3.3	6
83	Analytic solution for a nonlinear chemistry system of ordinary differential equations. *Nonlinear Dynamics*, **2012**, 68, 17-21	5	6
82	Darboux transformation, localized waves and conservation laws for an M-coupled variable-coefficient nonlinear Schrödinger system in an inhomogeneous optical fiber. *Chaos, Solitons and Fractals*, **2022**, 156, 111719	9.3	6
81	Generalized Darboux transformations, semirational rogue waves, and modulation instability for the three-coupled variable-coefficient nonlinear Schrödinger system in an inhomogeneous multicomponent optical fiber. *Modern Physics Letters B*, **2021**, 35, 2150020	1.6	6
80	Shallow-water-wave studies on a (2 + 1)-dimensional Hirota–Satsuma–Ito system: X-type soliton, resonant Y-type soliton and hybrid solutions. *Chaos, Solitons and Fractals*, **2022**, 157, 111861	9.3	6
79	Solitons for the (2+1)-dimensional nonlinear Schrödinger-Maxwell-Bloch equations in an erbium-doped fibre. *Journal of Modern Optics*, **2016**, 63, 590-597	1.1	5
78	Lax pair, conservation laws and solitons for a (2+1)-dimensional fourth-order nonlinear Schrödinger equation governing an α-helical protein. *Annals of Physics*, **2015**, 362, 671-683	2.5	5
77	On the amplification of unchirped soliton pulses in a dispersion-decreasing fiber. *Optical and Quantum Electronics*, **2015**, 47, 139-147	2.4	5
76	Gramian solutions and soliton interactions for a generalized (3 + 1)-dimensional variable-coefficient Kadomtsev-Petviashvili equation in a plasma or fluid. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20190122	2.4	5
75	Infinitely-many conservation laws for two (2+1)-dimensional nonlinear evolution equations in fluids **2014**, 83, 29-37		5
74	All-optical soliton switching for the asymmetric fiber couplers. *European Physical Journal D*, **2013**, 67, 1	1.3	5
73	Lax pair and vector solitons for a variable-coefficient coherently-coupled nonlinear Schrödinger system in the nonlinear birefringent optical fiber. *Journal of Electromagnetic Waves and Applications*, **2017**, 31, 1363-1375	1.3	5

72	Solitonic interaction and Pfaffianization for a (3+1)-dimensional potential Yu–Toda–Sasa–Fukuyama equation in a two-layer liquid. *Chinese Journal of Physics*, **2017**, 55, 2106-2114	3.5	5
71	Analytic study on bound solitons and soliton collisions for the coupled nonlinear Schrödinger equations. *Journal of Modern Optics*, **2012**, 59, 470-483	1.1	5
70	Stochastic dark solitons for a higher-order nonlinear Schrödinger equation in the optical fiber. *Journal of Modern Optics*, **2013**, 60, 1644-1651	1.1	5
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