Wenjun Liu

List of Publications by Year in descending order

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423 papers	15,021 citations	9775 73 h-index	33869 99 g-index
425 all docs	425 docs citations	425 times ranked	4644 citing authors

#	Article	IF	Citations
1	Impact of land use and land cover changes on ecosystem services in Menglun, Xishuangbanna, Southwest China. Environmental Monitoring and Assessment, 2008, 146, 147-156.	1.3	254
2	Tungsten disulfide saturable absorbers for 67 fs mode-locked erbium-doped fiber lasers. Optics Express, 2017, 25, 2950.	1.7	214
3	Tungsten disulphide for ultrashort pulse generation in all-fiber lasers. Nanoscale, 2017, 9, 5806-5811.	2.8	204
4	Past, present and future land-use in Xishuangbanna, China and the implications for carbon dynamics. Forest Ecology and Management, 2008, 255, 16-24.	1.4	149
5	Optical soliton perturbation with fractional-temporal evolution by first integral method with conformable fractional derivatives. Optik, 2016, 127, 10659-10669.	1.4	147
6	The unified method for conformable time fractional Schr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mover accent="true"><mml:mtext>o</mml:mtext><mml:mo>Â¨</mml:mo></mml:mover></mml:math>dinger equation with perturbation terms. Chinese Journal of Physics, 2018, 56, 2500-2506.	2.0	143
7	Optical properties and applications for MoS₂-Sb₂Te₃-MoS₂heterostructure materials. Photonics Research, 2018, 6, 220.	3.4	141
8	Dark solitons in WS_2 erbium-doped fiber lasers. Photonics Research, 2016, 4, 111.	3.4	139
9	Optical properties of Al-doped ZnO thin films by ellipsometry. Applied Surface Science, 2008, 254, 2922-2926.	3.1	136
10	Optical solitons with complex Ginzburgâ€“Landau equation. Nonlinear Dynamics, 2016, 85, 1979-2016.	2.7	135
11	Cubicâ€“quartic optical solitons in Kerr and power law media. Optik, 2017, 144, 357-362.	1.4	134
12	Sub pico-second pulses in mono-mode optical fibers with Kaupâ€“Newell equation by a couple of integration schemes. Optik, 2018, 167, 121-128.	1.4	130
13	Influence of Parameters of Optical Fibers on Optical Soliton Interactions. Chinese Physics Letters, 2022, 39, 010501.	1.3	130
14	Conservation laws for cubicâ€“quartic optical solitons in Kerr and power law media. Optik, 2017, 145, 650-654.	1.4	127
15	Analytic solutions for the generalized complex Ginzburgâ€“Landau equation in fiber lasers. Nonlinear Dynamics, 2017, 89, 2933-2939.	2.7	127
16	Dromion-like soliton interactions for nonlinear SchrÃ¶dinger equation with variable coefficients in inhomogeneous optical fibers. Nonlinear Dynamics, 2019, 96, 729-736.	2.7	126
17	Optical solitons with Biswasâ€“Milovic equation by extended trial equation method. Nonlinear Dynamics, 2016, 84, 1883-1900.	2.7	124
18	Resonant 1-soliton solution in anti-cubic nonlinear medium with perturbations. Optik, 2017, 145, 14-17.	1.4	122

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19	Recent Advances of 2D Materials in Nonlinear Photonics and Fiber Lasers. Advanced Optical Materials, 2020, 8, 1901631.	3.6	122
20	Ternary Transition Metal Dichalcogenides for High Power Vector Dissipative Soliton Ultrafast Fiber Laser. Laser and Photonics Reviews, 2022, 16, .	4.4	122
21	Optical solitons in nano-fibers with spatio-temporal dispersion by trial solution method. Optik, 2016, 127, 7250-7257.	1.4	121
22	Optical solitons with differential group delay for coupled Fokasâ€“Lenells equation using two integration schemes. Optik, 2018, 165, 74-86.	1.4	121
23	Perturbation theory and optical soliton cooling with anti-cubic nonlinearity. Optik, 2017, 142, 73-76.	1.4	120
24	Analytic study on interactions between periodic solitons with controllable parameters. Nonlinear Dynamics, 2018, 94, 703-709.	2.7	120
25	Phase shift, amplification, oscillation and attenuation of solitons in nonlinear optics. Journal of Advanced Research, 2019, 15, 69-76.	4.4	120
26	Dromion-like structures and periodic wave solutions for variable-coefficients complex cubicâ€“quintic Ginzburgâ€“Landau equation influenced by higher-order effects and nonlinear gain. Nonlinear Dynamics, 2020, 99, 1313-1319.	2.7	120
27	Optical soliton perturbation with Fokasâ€“Lenells equation using three exotic and efficient integration schemes. Optik, 2018, 165, 288-294.	1.4	119
28	Phase-shift controlling of three solitons in dispersion-decreasing fibers. Nonlinear Dynamics, 2019, 98, 395-401.	2.7	118
29	Lie symmetry analysis for cubicâ€“quartic nonlinear SchrÃ¶dinger's equation. Optik, 2018, 169, 12-15.	1.4	117
30	Bright and dark Thirring optical solitons with improved adomian decomposition method. Optik, 2017, 130, 1115-1123.	1.4	116
31	Optical soliton perturbation for Gerdjikovâ€“Ivanov equation via two analytical techniques. Chinese Journal of Physics, 2018, 56, 2879-2886.	2.0	116
32	Interaction properties of solitonics in inhomogeneous optical fibers. Nonlinear Dynamics, 2019, 95, 557-563.	2.7	116
33	Optical solitons in medium with parabolic law nonlinearity and higher order dispersion. Waves in Random and Complex Media, 2015, 25, 52-59.	1.6	115
34	Periodic attenuating oscillation between soliton interactions for higher-order variable coefficient nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2019, 96, 801-809.	2.7	115
35	Exact solitons to generalized resonant dispersive nonlinear SchrÃ¶dinger's equation with power law nonlinearity. Optik, 2017, 130, 178-183.	1.4	112
36	Pathotypical Characterization and Molecular Epidemiology of Newcastle Disease Virus Isolates from Different Hosts in China from 1996 to 2005. Journal of Clinical Microbiology, 2008, 46, 601-611.	1.8	111

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37	70-fs mode-locked erbium-doped fiber laser with topological insulator. Scientific Reports, 2016, 6, 19997.	1.6	111
38	Optical solitons in parity-time-symmetric mixed linear and nonlinear lattice with non-Kerr law nonlinearity. Superlattices and Microstructures, 2017, 109, 588-598.	1.4	111
39	Dark and singular optical solitons with Kunduâ€“Eckhaus equation by extended trial equation method and extended Gâ€²/G-expansion scheme. Optik, 2016, 127, 10490-10497.	1.4	110
40	Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method. Optik, 2017, 131, 964-976.	1.4	110
41	Analytical study of Thirring optical solitons with parabolic law nonlinearity and spatio-temporal dispersion. European Physical Journal Plus, 2015, 130, 1.	1.2	108
42	Solitons in magneto-optic waveguides by extended trial function scheme. Superlattices and Microstructures, 2017, 107, 197-218.	1.4	108
43	Optical soliton perturbation with anti-cubic nonlinearity by semi-inverse variational principle. Optik, 2017, 143, 131-134.	1.4	108
44	Soliton Rectangular Pulses and Bound States in a Dissipative System Modeled by the Variable-Coefficients Complex Cubic-Quintic Ginzburgâ€“Landau Equation. Chinese Physics Letters, 2021, 38, 094201.	1.3	108
45	Resonant optical solitons with quadratic-cubic nonlinearity by semi-inverse variational principle. Optik, 2017, 145, 18-21.	1.4	107
46	Generation and control of multiple solitons under the influence of parameters. Nonlinear Dynamics, 2019, 95, 143-150.	2.7	106
47	Darboux transformation and analytic solutions for a generalized super-NLS-mKdV equation. Nonlinear Dynamics, 2019, 98, 1491-1500.	2.7	103
48	Nonlinear optical properties of MoS₂-WS₂ heterostructure in fiber lasers. Optics Express, 2019, 27, 6689.	1.7	101
49	Cubic-quartic optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion. Results in Physics, 2020, 16, 102913.	2.0	98
50	Bright, dark and singular optical solitons in a cascaded system. Laser Physics, 2015, 25, 025402.	0.6	95
51	Bright, dark, and singular solitons in optical fibers with spatio-temporal dispersion and spatially dependent coefficients. Journal of Modern Optics, 2016, 63, 950-954.	0.6	95
52	Tungsten diselenide for all-fiber lasers with the chemical vapor deposition method. Nanoscale, 2018, 10, 7971-7977.	2.8	94
53	W_xNb_(1â^’x)Se₂ nanosheets for ultrafast photonics. Nanoscale, 2021, 13, 2511-2518.	2.8	94
54	Bound vector solitons and soliton complexes for the coupled nonlinear SchrÃ¶dinger equations. Physical Review E, 2009, 80, 066608.	0.8	93

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55	Ultrafast photonics of two dimensional AuTe2Se4/3 in fiber lasers. Communications Physics, 2020, 3, .	2.0	93
56	Soliton interaction in the higher-order nonlinear SchrÃ¶dinger equation investigated with Hirota's bilinear method. Physical Review E, 2008, 77, 066605.	0.8	92
57	Analytical study of solitons in non-Kerr nonlinear negative-index materials. Nonlinear Dynamics, 2016, 86, 623-638.	2.7	92
58	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2019, 95, 369-380.	2.7	90
59	Bright soliton solutions of the (2+1)-dimensional generalized coupled nonlinear SchrÃ¶dinger equation with the four-wave mixing term. Nonlinear Dynamics, 2021, 104, 2613-2620.	2.7	90
60	Soliton interaction control through dispersion and nonlinear effects for the fifth-order nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2021, 106, 2479-2484.	2.7	89
61	The dynamic characteristics of pure-quartic solitons and soliton molecules. Applied Mathematical Modelling, 2022, 102, 305-312.	2.2	88
62	Thirring optical solitons in birefringent ï¬bers with spatio-temporal dispersion and Kerr law nonlinearity. Laser Physics, 2015, 25, 015402.	0.6	86
63	Conservation laws, soliton solutions and modulational instability for the higher-order dispersive nonlinear SchrÃ¶dinger equation. European Physical Journal B, 2009, 72, 233-239.	0.6	85
64	Exact chirped singular soliton solutions of Triki-Biswas equation. Optik, 2019, 181, 338-342.	1.4	85
65	Chirped Bright and Kink Solitons in Nonlinear Optical Fibers with Weak Nonlocality and Cubic-Quantic-Septic Nonlinearity. Chinese Physics Letters, 2022, 39, 044202.	1.3	85
66	CVD-grown MoSe₂ with high modulation depth for ultrafast mode-locked erbium-doped fiber laser. Nanotechnology, 2018, 29, 394002.	1.3	84
67	Niobium disulfide as a new saturable absorber for an ultrafast fiber laser. Nanoscale, 2020, 12, 4537-4543.	2.8	83
68	VSe₂ nanosheets for ultrafast fiber lasers. Journal of Materials Chemistry C, 2020, 8, 1104-1109.	2.7	82
69	Tungsten diselenide for mode-locked erbium-doped fiber lasers with short pulse duration. Nanotechnology, 2018, 29, 174002.	1.3	81
70	Types of solutions of the variable-coefficient nonlinear SchrÃ¶dinger equation with symbolic computation. Physical Review E, 2008, 78, 066613.	0.8	79
71	Transition-metal dichalcogenides heterostructure saturable absorbers for ultrafast photonics. Optics Letters, 2017, 42, 4279.	1.7	79
72	Solitary wave pulses in optical fibers with normal dispersion and higher-order effects. Physical Review A, 2009, 79, .	1.0	74

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73	Generation of dark solitons in erbium-doped fiber lasers based Sb_2Te_3 saturable absorbers. Optics Express, 2015, 23, 26023.	1.7	74
74	Interactions of vector anti-dark solitons for the coupled nonlinear SchrÃ¶dinger equation in inhomogeneous fibers. Nonlinear Dynamics, 2018, 94, 1351-1360.	2.7	74
75	MoTe₂ Saturable Absorber With High Modulation Depth for Erbium-Doped Fiber Laser. Journal of Lightwave Technology, 2019, 37, 3100-3105.	2.7	74
76	Effect of high-order dispersion on three-soliton interactions for the variable-coefficients Hirota equation. Physical Review E, 2017, 96, 042201.	0.8	73
77	Nonlinear optical properties of WSe₂ and MoSe₂ films and their applications in passively Q-switched erbium doped fiber lasers. Photonics Research, 2018, 6, C15.	3.4	71
78	CeO2 nanocubes-graphene oxide as durable and highly active catalyst support for proton exchange membrane fuel cell. Scientific Reports, 2014, 4, 7415.	1.6	70
79	Some lump solutions for a generalized (3+1)-dimensional Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2020, 366, 124757.	1.4	69
80	Nonlinear control of logic structure of all-optical logic devices using soliton interactions. Nonlinear Dynamics, 2022, 107, 1215-1222.	2.7	69
81	Periodic soliton interactions for higher-order nonlinear SchrÃ¶dinger equation in optical fibers. Nonlinear Dynamics, 2020, 100, 2817-2821.	2.7	67
82	Soliton fusion and fission for the high-order coupled nonlinear SchrÃ¶dinger system in fiber lasers. Chinese Physics B, 2022, 31, 020501.	0.7	67
83	Analytical study of optical solitons in media with Kerr and parabolic-law nonlinearities. Journal of Modern Optics, 2013, 60, 1652-1657.	0.6	66
84	Synthesis of high quality silver nanowires and their applications in ultrafast photonics. Optics Express, 2019, 27, 16440.	1.7	66
85	Amplification, reshaping, fission and annihilation of optical solitons in dispersion-decreasing fiber. Nonlinear Dynamics, 2018, 92, 203-213.	2.7	65
86	Analytical solutions and modulation instability analysis to the perturbed nonlinear SchrÃ¶dinger equation. Journal of Modern Optics, 2014, 61, 500-503.	0.6	63
87	Optical solitons of Lakshmananâ€“Porsezianâ€“Daniel model with a couple of nonlinearities. Optik, 2018, 164, 414-423.	1.4	62
88	SnSSe as a saturable absorber for an ultrafast laser with superior stability. Optics Letters, 2020, 45, 419.	1.7	62
89	Explicit solitons in the parabolic law nonlinear negative-index materials. Nonlinear Dynamics, 2017, 88, 595-607.	2.7	60
90	Generation and transformation of dark solitons, anti-dark solitons and dark double-hump solitons. Nonlinear Dynamics, 2022, 110, 1747-1752.	2.7	60

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91	Large-area highly crystalline WSe_2 atomic layers for ultrafast pulsed lasers. Optics Express, 2017, 25, 30020.	1.7	59
92	Mechanism of Alkali Metal Compound-Promoted Growth of Monolayer MoS₂: Eutectic Intermediates. Chemistry of Materials, 2019, 31, 873-880.	3.2	59
93	Stable transmission of solitons in the complex cubicâ€“quintic Ginzburgâ€“Landau equation with nonlinear gain and higher-order effects. Applied Mathematics Letters, 2019, 98, 171-176.	1.5	58
94	W-shaped, bright and dark solitons of Biswasâ€“Arshed equation. Optik, 2019, 182, 227-232.	1.4	57
95	Dispersive optical solitons with SchrÃ¶dingerâ€“Hirota equation by extended trial equation method. Optik, 2017, 136, 451-461.	1.4	56
96	The analytical study of solitons to the nonlinear SchrÃ¶dinger equation with resonant nonlinearity. Optik, 2017, 130, 378-382.	1.4	56
97	Bright and dark solitons in the normal dispersion regime of inhomogeneous optical fibers: Soliton interaction and soliton control. Annals of Physics, 2010, 325, 1633-1643.	1.0	55
98	Effective amplification of optical solitons in high power transmission systems. Nonlinear Dynamics, 2022, 109, 3083-3089.	2.7	53
99	Analytical study of the nonlinear SchrÃ¶dinger equation with an arbitrary linear time-dependent potential in quasi-one-dimensional Boseâ€“Einstein condensates. Annals of Physics, 2008, 323, 2554-2565.	1.0	52
100	Dark soliton control based on dispersion and nonlinearity for third-order nonlinear SchrÃ¶dinger equation. Optik, 2019, 184, 370-376.	1.4	52
101	Resonant optical solitons with parabolic and dual-power laws by semi-inverse variational principle. Journal of Modern Optics, 2018, 65, 179-184.	0.6	51
102	Propagation properties of dipole-managed solitons through an inhomogeneous cubicâ€“quinticâ€“septic medium. Optics Communications, 2018, 425, 64-70.	1.0	51
103	Phase shift, oscillation and collision of the anti-dark solitons for the (3+1)-dimensional coupled nonlinear SchrÃ¶dinger equation in an optical fiber communication system. Nonlinear Dynamics, 2019, 97, 1253-1262.	2.7	51
104	Dark optical solitons in quadratic nonlinear media with spatio-temporal dispersion. Nonlinear Dynamics, 2015, 81, 733-738.	2.7	50
105	Ultrafast Photonics of Ternary Re_xNb_(1â€“x)S₂ in Fiber Lasers. ACS Applied Materials & Interfaces, 2021, 13, 28721-28728.	4.0	50
106	Dark and antidark solitons in the modified nonlinear SchrÃ¶dinger equation accounting for the self-steepening effect. Physical Review E, 2010, 81, 046606.	0.8	49
107	Periodic oscillations of dark solitons in nonlinear optics. Optik, 2018, 165, 341-344.	1.4	49
108	Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. Applied Mathematics and Computation, 2019, 361, 325-331.	1.4	49

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109	Saturable absorption properties and femtosecond mode-locking application of titanium trisulfide. Applied Physics Letters, 2020, 116, .	1.5	49
110	Cubicâ€“quartic optical soliton perturbation with complex Ginzburgâ€“Landau equation by the enhanced Kudryashovâ€™s method. Chaos, Solitons and Fractals, 2022, 155, 111748.	2.5	49
111	Soliton interactions and complexes for coupled nonlinear SchrÃ¶dinger equations. Physical Review E, 2012, 85, 036605.	0.8	48
112	Optical solitons in gas-filled, hollow-core photonic crystal fibers with inter-modal dispersion and self-steepening. Journal of Modern Optics, 2013, 60, 854-859.	0.6	48
113	Dark soliton control in inhomogeneous optical fibers. Applied Mathematics Letters, 2016, 61, 80-87.	1.5	48
114	Thickness-Dependent Ultrafast Photonics of SnS₂ Nanolayers for Optimizing Fiber Lasers. ACS Applied Nano Materials, 2019, 2, 2697-2705.	2.4	48
115	Stable soliton propagation in a coupled (2 + 1) dimensional Ginzburgâ€“Landau system*. Chinese Physics B, 2020, 29, 070502.	0.7	48
116	The similarities and differences of different plane solitons controlled by (3Â+Â1) â€“ Dimensional coupled variable coefficient system. Journal of Advanced Research, 2020, 24, 167-173.	4.4	48
117	Effects of dispersion terms on optical soliton propagation in a lossy fiber system. Nonlinear Dynamics, 2021, 104, 629-637.	2.7	48
118	Analytic study on the influences of higher-order effects on optical solitons in fiber laser. Optik, 2019, 186, 326-331.	1.4	46
119	Survey on CSI-based Indoor Positioning Systems and Recent Advances. , 2019, , .		46
120	Solitons, BÃcklund transformation, and Lax pair for the (2+1)-dimensional Boitiâ€“Leonâ€“Pempinelli equation for the water waves. Journal of Mathematical Physics, 2010, 51, .	0.5	45
121	Optical solitons for non-Kerr law nonlinear SchrÃ¶dinger equation with third and fourth order dispersions. Chinese Journal of Physics, 2019, 60, 133-140.	2.0	45
122	Optical solitons in fiber Bragg gratings with cubicâ€“quartic dispersive reflectivity by enhanced Kudryashov's approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 422, 127797.	0.9	45
123	Chirped optical soliton propagation in birefringent fibers modeled by coupled Fokas-Lenells system. Chaos, Solitons and Fractals, 2022, 155, 111751.	2.5	45
124	Bright, dark and W-shaped solitons with extended nonlinear SchrÃ¶dinger's equation for odd and even higher-order terms. Superlattices and Microstructures, 2018, 114, 53-61.	1.4	44
125	Optical soliton shaping in dispersion decreasing fibers. Nonlinear Dynamics, 2016, 84, 2205-2209.	2.7	42
126	Optical solitons of some fractional differential equations in nonlinear optics. Journal of Modern Optics, 2017, 64, 2345-2349.	0.6	42

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127	Stable transmission characteristics of double-hump solitons for the coupled Manakov equations in fiber lasers. Nonlinear Dynamics, 2021, 106, 2509-2514.	2.7	42
128	Study on the control technology of optical solitons in optical fibers. Nonlinear Dynamics, 2016, 86, 1069-1073.	2.7	41
129	Control of dark and anti-dark solitons in the (2+1)-dimensional coupled nonlinear SchrÃ¶dinger equations with perturbed dispersion and nonlinearity in a nonlinear optical system. Nonlinear Dynamics, 2019, 97, 471-483.	2.7	41
130	Optical Nonlinearity of ZrS2 and Applications in Fiber Laser. Nanomaterials, 2019, 9, 315.	1.9	41
131	One-step photochemical deposition of PdAu alloyed nanoparticles on TiO₂ nanowires for ultra-sensitive H₂ detection. Journal of Materials Chemistry A, 2016, 4, 2236-2245.	5.2	40
132	Chirped optical solitons in nano optical fibers with dual-power law nonlinearity. Optik, 2017, 142, 77-81.	1.4	39
133	Ultrashort pulse generation in mode-locked erbium-doped fiber lasers with tungsten disulfide saturable absorber. Optics Communications, 2018, 406, 72-75.	1.0	39
134	Vector Spatiotemporal Solitons and Their Memory Features in Cold Rydberg Gases. Chinese Physics Letters, 2022, 39, 034202.	1.3	38
135	Transformation of soliton states for a (2+1) dimensional fourth-order nonlinear SchrÃ¶dinger equation in the Heisenberg ferromagnetic spin chain. Laser Physics, 2019, 29, 035401.	0.6	37
136	Higher-order-effects management of soliton interactions in the Hirota equation. Physical Review E, 2015, 91, 033201.	0.8	35
137	Black Phosphorus Based Field Effect Transistors with Simultaneously Achieved Near Ideal Subthreshold Swing and High Hole Mobility at Room Temperature. Scientific Reports, 2016, 6, 24920.	1.6	35
138	Ultrafast Thulium-Doped Fiber Laser Mode Locked by Monolayer WSe2. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	35
139	Solitons in optical metamaterials with anti-cubic nonlinearity. European Physical Journal Plus, 2018, 133, 1.	1.2	35
140	Solitons in optical fiber Bragg gratings with dispersive reflectivity. Optik, 2019, 182, 119-123.	1.4	35
141	Optical properties and applications of SnS₂ SAs with different thickness. Opto-Electronic Advances, 2021, 4, 200029-200029.	6.4	35
142	Analytic study on optical solitons in parity-time-symmetric mixed linear and nonlinear modulation lattices with non-Kerr nonlinearities. Optik, 2018, 173, 249-262.	1.4	34
143	Optical solitons in birefringent fibers for Lakshmananâ€“Porsezianâ€“Daniel model using exp(â^'Ï•(Î¾))-expansion method. Optik, 2018, 170, 555-560.	1.4	34
144	Bright and singular optical solitons for Kaupâ€“Newell equation with two fundamental integration norms. Optik, 2019, 182, 594-597.	1.4	34

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145	Bright soliton interactions in a $$mathbf (2 +mathbf 1) $$ (2 + 1) -dimensional fourth-order variable-coefficient nonlinear SchrÃ¶dinger equation for the Heisenberg ferromagnetic spin chain. Nonlinear Dynamics, 2019, 95, 983-994.	2.7	34
146	Localized waves and mixed interaction solutions with dynamical analysis to the Grossâ€“Pitaevskii equation in the Boseâ€“Einstein condensate. Nonlinear Dynamics, 2021, 106, 841-854.	2.7	34
147	Chirped dark and gray solitons for Chenâ€“Leeâ€“Liu equation in optical fibers and PCF. Optik, 2018, 155, 329-333.	1.4	33
148	Lax pair, BÃcklund transformation and multi-soliton solutions for the Boussinesqâ€“Burgers equations from shallow water waves. Applied Mathematics and Computation, 2011, 218, 1726-1734.	1.4	32
149	Soliton solutions and interactions of the Zakharov-Kuznetsov equation in the electron-positron-ion plasmas. European Physical Journal D, 2011, 61, 709-715.	0.6	32
150	Photonic device combined optical microfiber coupler with saturable-absorption materials and its application in mode-locked fiber laser. Optics Express, 2021, 29, 20526.	1.7	32
151	Ferroferric-oxide nanoparticle based Q-switcher for a 1 Î¼m region. Optical Materials Express, 2019, 9, 731.	1.6	32
152	Q-switched fiber laser operating at 1.5 Î¼m based on WTe2. Chinese Optics Letters, 2019, 17, 020006.	1.3	32
153	Some types of dark soliton interactions in inhomogeneous optical fibers. Optical and Quantum Electronics, 2018, 50, 1.	1.5	31
154	Exact analysis and elastic interaction of multi-soliton for a two-dimensional Gross-Pitaevskii equation in the Bose-Einstein condensation. Journal of Advanced Research, 2022, 38, 179-190.	4.4	31
155	Bi4Br4-based saturable absorber with robustness at high power for ultrafast photonic device. Applied Physics Letters, 2022, 120, .	1.5	31
156	Optical solitons in birefringent fibers with modified simple equation method. Optik, 2017, 130, 996-1003.	1.4	30
157	2D-2D heterostructured CdSâ€“CoP photocatalysts for efficient H2 evolution under visible light irradiation. International Journal of Hydrogen Energy, 2019, 44, 27412-27420.	3.8	30
158	Propagation of chirped gray optical dips in nonlinear metamaterials. Optics Communications, 2019, 430, 461-466.	1.0	30
159	Multi-soliton solutions and a BÃcklund transformation for a generalized variable-coefficient higher-order nonlinear SchrÃ¶dinger equation with symbolic computation. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 97-107.	1.2	29
160	Symbolic computation on soliton solutions for variable-coefficient nonlinear SchrÃ¶dinger equation in nonlinear optics. Optical and Quantum Electronics, 2012, 43, 147-162.	1.5	29
161	Dispersive optical solitons in DWDM systems. Optik, 2017, 132, 210-215.	1.4	29
162	Analytic study on chirped optical solitons in nonlinear metamaterials with higher order effects. Laser Physics, 2019, 29, 095402.	0.6	29

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163	Controllable functionalization of carbon dots as fluorescent sensors for independent Cr(â…¥), Fe(â…¢) and Cu(â…¡) ions detection. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 417, 113359.	2.0	29
164	Bidirectional all-optical switches based on highly nonlinear optical fibers. Europhysics Letters, 2017, 118, 34004.	0.7	28
165	MoS₂ saturable absorber prepared by chemical vapor deposition method for nonlinear control in Q-switching fiber laser. Chinese Physics B, 2018, 27, 084211.	0.7	27
166	Dromion-like structures in the variable coefficient nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2014, 30, 28-32.	1.5	26
167	Plasmonâ€“exciton coâ€driven surface catalytic reaction in electrochemical Gâ€SERS. Journal of Raman Spectroscopy, 2017, 48, 1144-1147.	1.2	26
168	Dark three-soliton for a nonlinear SchrÃ¶dinger equation in inhomogeneous optical fiber. Optik, 2020, 220, 165189.	1.4	26
169	Nonlinear optical property and application of yttrium oxide in erbium-doped fiber lasers. Optics Express, 2021, 29, 29402.	1.7	26
170	Q-switched all-fiber laser based on titanium trisulfide. Optik, 2020, 205, 164234.	1.4	26
171	Soliton-like solutions of a derivative nonlinear SchrÃ¶dinger equation with variable coefficients in inhomogeneous optical fibers. Nonlinear Dynamics, 2010, 62, 919-929.	2.7	25
172	Large-area and highly crystalline MoSe₂ for optical modulator. Nanotechnology, 2017, 28, 484001.	1.3	25
173	Analytic study on interactions of some types of solitary waves. Optik, 2018, 164, 132-137.	1.4	25
174	Soliton structures in the (1+1)-dimensional Ginzburgâ€“Landau equation with a parity-time-symmetric potential in ultrafast optics. Chinese Physics B, 2018, 27, 030504.	0.7	25
175	Optical solitons and conservation laws with polarizationâ€“mode dispersion for coupled Fokasâ€“Lenells equation using group invariance. Chaos, Solitons and Fractals, 2019, 120, 245-249.	2.5	25
176	Propagation of chirped periodic and localized waves with higher-order effects through optical fibers. Chaos, Solitons and Fractals, 2021, 146, 110873.	2.5	25
177	Lax pair, conservation laws and N-soliton solutions for the extended Korteweg-de Vries equations in fluids. European Physical Journal D, 2011, 61, 701-708.	0.6	24
178	Analytical study of solitons in the fiber waveguide with power law nonlinearity. Superlattices and Microstructures, 2017, 101, 493-506.	1.4	24
179	Titanium Selenide Saturable Absorber Mirror for Passive Q-Switched Er-Doped Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-5.	1.9	24
180	Bright optical solitons of Chen-Lee-Liu equation with improved Adomian decomposition method. Optik, 2019, 181, 964-970.	1.4	24

#	Article	IF	Citations
181	LC-DNN: Local Connection Based Deep Neural Network for Indoor Localization With CSI. IEEE Access, 2020, 8, 108720-108730.	2.6	24
182	Analytic study on solitons in gas-filled hollow-core photonic crystal fibers. Europhysics Letters, 2012, 100, 64003.	0.7	23
183	Soliton and soliton-like solutions to the modified Zakharovâ€“Kuznetsov equation in nonlinear transmission line. Nonlinear Dynamics, 2016, 83, 1429-1435.	2.7	23
184	VS₂ as saturable absorber for Q-switched pulse generation. Nanophotonics, 2020, 9, 2569-2576.	2.9	23
185	Design and fabrication of SMS fiber refractometer for liquid. Sensors and Actuators A: Physical, 2012, 179, 5-9.	2.0	22
186	Optical solitons for modulated compressional dispersive alfven and heisenberg ferromagnetic spin chains. Results in Physics, 2019, 15, 102714.	2.0	22
187	High-power MoTe2-based passively Q-switched erbium-doped fiber laser. Chinese Optics Letters, 2018, 16, 020007.	1.3	22
188	BÃcklund Transformation and Multisoliton Solutions in Terms of Wronskian Determinant for (2+1)-Dimensional Breaking Soliton Equations with Symbolic Computation. Communications in Theoretical Physics, 2010, 54, 1059-1066.	1.1	21
189	Interactions among solitons for a fifth-order variable coefficient nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2020, 100, 2797-2805.	2.7	21
190	Study on weakening optical soliton interaction in nonlinear optics. Nonlinear Dynamics, 2022, 108, 2483-2488.	2.7	21
191	Dark and anti-dark vector solitons of the coupled modified nonlinear SchrÃ¶dinger equations from the birefringent optical fibers. European Physical Journal D, 2010, 59, 279-289.	0.6	20
192	Darboux transformation and soliton solutions for the generalized coupled variable-coefficient nonlinear SchrÃ¶dinger-Maxwell-Bloch system with symbolic computation. Computational Mathematics and Mathematical Physics, 2012, 52, 565-577.	0.2	20
193	Exact solitary wave solutions to the new (3 + 1)-dimensional generalized Kadomtsevâ€“Petviashvili equation. Optik, 2017, 128, 77-82.	1.4	20
194	Optical solitons with polarization-mode dispersion for coupled Fokasâ€“Lenells equation with two forms of integration architecture. Optical and Quantum Electronics, 2018, 50, 1.	1.5	20
195	Conservation laws for pure-cubic optical solitons with complex Ginzburgâ€“Landau equation having several refractive index structures. Results in Physics, 2021, 31, 104901.	2.0	20
196	Molecular Characterization of Three New Virulent Newcastle Disease Virus Variants Isolated in China. Journal of Clinical Microbiology, 2008, 46, 750-753.	1.8	19
197	Optical solitons with differential group delay and four-wave mixing using two integration procedures. Optik, 2018, 167, 170-188.	1.4	19
198	Interactions of solitons, dromion-like structures and butterfly-shaped pulses for variable coefficient nonlinear SchrÃ¶dinger equation. Optik, 2018, 159, 21-30.	1.4	19

#	Article	IF	Citations
199	A novel scheme to suppress the third-order intermodulation distortion based on dual-parallel Machâ€“Zehnder modulator. Photonic Network Communications, 2018, 36, 140-151.	1.4	19
200	A Carbonâ€Dotâ€Based Fluorescent Probe for the Sensitive and Selective Detection of Copper(II) Ions. ChemistrySelect, 2019, 4, 2392-2397.	0.7	19
201	Optical solitons in birefringent fibers with Radhakrishnanâ€“Kunduâ€“Lakshmanan equation by a couple of strategically sound integration architectures. Chinese Journal of Physics, 2020, 65, 341-354.	2.0	19
202	Multiple-soliton and lump-kink solutions for a generalized (3+1)-dimensional Kadomtsev-Petviashvili equation. Results in Physics, 2020, 17, 103149.	2.0	19
203	Carbon dot/carbon nitride composites fluorescent probe for the highly selective detection of Cr(VI) ions. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112711.	2.0	19
204	Breather and double-pole solutions of the derivative nonlinear SchrÃ¶dinger equation from optical fibers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 549-557.	0.9	18
205	Dromion structures in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si16.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo nonlinear SchrÃ¶dinger equation with a parity-time-symmetric potential. Applied Mathematics Letters, 2015, 47, 8-12.	1.5	18
206	Heat and momentum transfer for magnetoconvection in a vertical external magnetic field. Physical Review E, 2016, 94, 043108.	0.8	18
207	Optical soliton perturbation with fractional temporal evolution by generalized Kudryashov's method. Optik, 2018, 164, 303-310.	1.4	18
208	Hafnium diselenide as a Q-switcher for fiber laser application. Optical Materials Express, 2019, 9, 4597.	1.6	18
209	Localized pulses in optical fibers governed by perturbed Fokasâ€“Lenells equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 421, 127782.	0.9	18
210	Elastic and inelastic interactions between optical spatial solitons in nonlinear optics. Laser Physics, 2013, 23, 095401.	0.6	17
211	Analytic soliton solutions of cubicâ€quintic Ginzburgâ€Landau equation with variable nonlinearity and spectral filtering in fiber lasers. Annalen Der Physik, 2016, 528, 493-503.	0.9	17
212	Lump and lump strip solutions to the (3 + 1)-dimensional generalized Kadomtsev-Petviashvili equation. European Physical Journal Plus, 2019, 134, 1.	1.2	17
213	Darboux transformation for a generalized Ablowitz-Kaup-Newell-Segur hierarchy equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126394.	0.9	17
214	Yttrium oxide as a Q-switcher for the near-infrared erbium-doped fiber laser. Nanophotonics, 2020, 9, 2887-2894.	2.9	17
215	A TDOA and PDR Fusion Method for 5G Indoor Localization Based on Virtual Base Stations in Unknown Areas. IEEE Access, 2020, 8, 225123-225133.	2.6	17
216	Impact of near-?? symmetry on exciting solitons and interactions based on a complex Ginzburg-Landau model. Optics Express, 2018, 26, 33022.	1.7	17

#	Article	IF	Citations
217	Soliton interactions for coupled nonlinear SchrÃ¶dinger equations with symbolic computation. Nonlinear Dynamics, 2014, 78, 755-770.	2.7	16
218	Q-switched all-fiber laser with short pulse duration based on tungsten diselenide. Laser Physics, 2018, 28, 055104.	0.6	16
219	Controllable photodeposition of nickel phosphide cocatalysts on cadmium sulfide nanosheets for enhanced photocatalytic hydrogen evolution performance. New Journal of Chemistry, 2020, 44, 4332-4339.	1.4	16
220	On the existence of chirped algebraic solitary waves in optical fibers governed by Kunduâ€“Eckhaus equation. Results in Physics, 2022, 34, 105272.	2.0	16
221	Synthesis and characterization of GaN nanowires. Applied Surface Science, 2009, 255, 7719-7722.	3.1	15
222	All-optical switches using solitons within nonlinear fibers. Journal of Electromagnetic Waves and Applications, 2013, 27, 2288-2297.	1.0	15
223	Novel asymmetric representation method for solving the higher-order Ginzburg-Landau equation. Scientific Reports, 2016, 6, 24613.	1.6	15
224	Soliton interactions for optical switching systems with symbolic computation. Optik, 2018, 175, 177-180.	1.4	15
225	Dark two-soliton solutions for nonlinear SchrÃ¶dinger equations in inhomogeneous optical fibers. Chinese Journal of Physics, 2019, 61, 310-315.	2.0	15
226	The mixed interaction of localized, breather, exploding and solitary wave for the (3+1)-dimensional Kadomtsevâ€“Petviashvili equation in fluid dynamics. Nonlinear Dynamics, 2020, 100, 1611-1619.	2.7	15
227	Ternary transition metal dichalcogenides for passively Q-switched Er-doped fiber laser applications. Optik, 2021, 248, 168096.	1.4	15
228	The SnSSe SA with high modulation depth for passively Q-switched fiber laser. Nanophotonics, 2020, 9, 2549-2555.	2.9	15
229	Analytic study on soliton-effect pulse compression in dispersion-shifted fibers with symbolic computation. Journal of Modern Optics, 2008, 55, 1331-1344.	0.6	14
230	Breathers in a hollow-core photonic crystal fiber. Laser Physics Letters, 2014, 11, 045402.	0.6	14
231	Theoretical study of dark solitons in media with competing nonlocal nonlinearities and local quintic nonlinearity. Journal of Modern Optics, 2014, 61, 1465-1469.	0.6	14
232	AlGaN/GaN Metal-Oxide-Semiconductor High-Electron-Mobility Transistor with Polarized P(VDF-TrFE) Ferroelectric Polymer Gating. Scientific Reports, 2015, 5, 14092.	1.6	14
233	Interactions of dromion-like structures in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si52.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo variable coefficient nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2015, 39, 91-95.	1.5	14
234	Coordinate-Based Clustering Method for Indoor Fingerprinting Localization in Dense Cluttered Environments. Sensors, 2016, 16, 2055.	2.1	14

#	Article	IF	Citations
235	Smallest enclosing circle-based fingerprint clustering and modified-WKNN matching algorithm for indoor positioning. , 2016, , .		14
236	Optical solitons with nonlocal-parabolic combo nonlinearity by Lie symmetry analysis coupled with modified Gâ€²/G-expansion. Results in Physics, 2019, 15, 102713.	2.0	14
237	Chirped bright and double-kinked quasi-solitons in optical metamaterials with self-steepening nonlinearity. Journal of Modern Optics, 2019, 66, 192-199.	0.6	14
238	Algorithm for dark solitons with Radhakrishnanâ€“Kunduâ€“Lakshmanan model in an optical fiber. Results in Physics, 2021, 30, 104806.	2.0	14
239	Silver nanowires with different concentration for Q-switched fiber lasers. Optical Materials Express, 2020, 10, 187.	1.6	14
240	PainlevÃ© integrability and N-soliton solution forÂtheÂvariable-coefficient Zakharovâ€“Kuznetsov equation from plasmas. Nonlinear Dynamics, 2010, 62, 229-235.	2.7	13
241	Development of a simple system for screening anti-hepatitis C virus drugs utilizing mutants capable of vigorous replication. Journal of Virological Methods, 2010, 169, 380-384.	1.0	13
242	Solitonic excitations and interactions in an Î±-helical protein modeled by three coupled nonlinear SchrÃ¶dinger equations with variable coefficients. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 485201.	0.7	13
243	Bell-polynomial approach and N-soliton solution for the extended Lotkaâ€“Volterra equation in plasmas. Journal of Mathematical Physics, 2011, 52, 043523.	0.5	13
244	Mixed-type solitons for the coupled higher-order nonlinear SchrÃ¶dinger equations in multi-mode and birefringent fibers. Journal of Modern Optics, 2013, 60, 629-636.	0.6	13
245	Mixed-type vector solitons of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-coupled mixed derivative nonlinear SchrÃ¶dinger equations from optical fibers. Physical Review E, 2013, 87, .	0.8	13
246	Ultra-stability Yb-doped fiber optical frequency comb with 2 Ã— 10^â^'18/s stability in-loop. Optics Express, 2016, 24, 28993.	1.7	13
247	The nature of plasmonâ€exciton codriven surface catalytic reaction. Journal of Raman Spectroscopy, 2018, 49, 383-387.	1.2	13
248	High stable polarization-insensitive Er-doped Q-switched fiber laser with iron oxide nanoparticles as saturable absorber. Optics and Laser Technology, 2019, 113, 379-383.	2.2	13
249	Photocatalytic Behaviors of TiO₂ Nanoblets Coated with MoS₂ Nanosheets for Solarâ€Driven Photocatalysis. ChemistrySelect, 2019, 4, 7260-7269.	0.7	13
250	Invariant traveling wave solutions of parity-time-symmetric mixed linear-nonlinear optical lattices with three types of nonlinearity. Laser Physics, 2019, 29, 045401.	0.6	13
251	Stable propagation of optical solitons in fiber lasers by using symbolic computation. Optik, 2019, 178, 142-145.	1.4	13
252	Nonautonomous matter wave bright solitons in a quasi-1D Bose-Einstein condensate system with contact repulsion and dipole-dipole attraction. Applied Mathematics and Computation, 2020, 371, 124951.	1.4	13

#	Article	IF	Citations
253	A Novel Time Delay Estimation Algorithm for 5G Vehicle Positioning in Urban Canyon Environments. Sensors, 2020, 20, 5190.	2.1	13
254	Application of transition metal dichalcogenides in midâ€infrared fiber laser. Nano Select, 2021, 2, 37-46.	1.9	13
255	A new approach to the analytic soliton solutions for the variable-coefficient higher-order nonlinear SchrÃ¶dinger model in inhomogeneous optical fibers. Journal of Modern Optics, 2010, 57, 309-315.	0.6	12
256	Solitonic Excitations and Interactions in the Three-Spine $alpha$-Helical Protein with Inhomogeneity. SIAM Journal on Applied Mathematics, 2011, 71, 1317-1353.	0.8	12
257	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.	0.6	12
258	Butterfly-shaped pulse in optical fibers with variable group-velocity dispersion. Europhysics Letters, 2013, 103, 44002.	0.7	12
259	Soliton amplification in inhomogeneous optical waveguides. Journal of Modern Optics, 2013, 60, 932-935.	0.6	12
260	Interactions between butterfly-shaped pulses in the inhomogeneous media. Annals of Physics, 2014, 349, 395-401.	1.0	12
261	High-order solitons transmission in hollow-core photonic crystal fibers. Europhysics Letters, 2016, 116, 64002.	0.7	12
262	Au@ZnO nanostructures on porous silicon for photocatalysis and gas-sensing: the effect of plasmonic hot-electrons driven by visible-light. Materials Research Express, 2016, 3, 085006.	0.8	12
263	Cooperative indoor positioning with factor graph based on FIM for wireless sensor network. Future Generation Computer Systems, 2018, 89, 126-136.	4.9	12
264	W-shaped solitons in inhomogeneous cigar-shaped Boseâ€“Einstein condensates with repulsive interatomic interactions. Laser Physics, 2019, 29, 055401.	0.6	12
265	Propagation properties of chirped optical similaritons with dual-power law nonlinearity. Chaos, Solitons and Fractals, 2020, 140, 110158.	2.5	12
266	2.8â€‰â€‰Âµm passively Q-switched Er:ZBLAN fiber laser with an Sb saturable absorber mirror. Applied Optics, 2020, 59, 9165.	0.9	12
267	New chirped gray and kink selfâ€“similar waves in presence of quintic nonlinearity and selfâ€“steepening effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 437, 128104.	0.9	12
268	Observation of soliton fission in microstructured fiber. Applied Optics, 2012, 51, 8095.	0.9	11
269	Nanosecond Hybrid Q-Switched Er-Doped Fiber Laser With WS₂Saturable Absorber. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	11
270	Oscillating solitons in nonlinear optics. Pramana - Journal of Physics, 2016, 86, 575-580.	0.9	11

#	Article	IF	Citations
271	Sandwiched ZnO@Au@CdS nanorod arrays with enhanced visible-light-driven photocatalytical performance. Nanotechnology, 2017, 28, 465403.	1.3	11
272	Chirped optical solitons having polynomial law of nonlinear refractive index with self-steepening and nonlinear dispersion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 417, 127698.	0.9	11
273	High Modulation Depth Enabled by Mo2Ti2C3Tx MXene for Q-Switched Pulse Generation in a Mid-Infrared Fiber Laser. Nanomaterials, 2022, 12, 1343.	1.9	11
274	Soliton dynamics and interaction in the Boseâ€“Einstein condensates with harmonic trapping potential andÂtime-varying interatomic interaction. Nonlinear Dynamics, 2012, 67, 165-175.	2.7	10
275	Types of coefficient constraints of coupled nonlinear SchrÃ¶dinger equations for elastic and inelastic interactions between spatial solitons with symbolic computation. Nonlinear Dynamics, 2014, 76, 1935-1941.	2.7	10
276	Acoustic frequency vibration sensor based on tapered SMS fiber structure. Sensors and Actuators A: Physical, 2018, 271, 243-250.	2.0	10
277	A Novel Carrier Loop Algorithm Based on Maximum Likelihood Estimation (MLE) and Kalman Filter (KF) for Weak TC-OFDM Signals. Sensors, 2018, 18, 2256.	2.1	10
278	Intrinsic-strain-induced curling of free-standing two-dimensional Janus MoSSe quantum dots. Applied Surface Science, 2020, 519, 146251.	3.1	10
279	The collision dynamics between double-hump solitons in two mode optical fibers. Results in Physics, 2021, 28, 104618.	2.0	10
280	164 fs mode-locked erbium-doped fiber laser based on tungsten ditelluride. Nanophotonics, 2020, 9, 2763-2769.	2.9	10
281	Controllable epitaxy of quasi-one-dimensional topological insulator Î±-Bi4Br4 for the application of saturable absorber. Applied Physics Letters, 2022, 120, .	1.5	10
282	Experimental study of the Talbot effect under femtosecond laser illumination. Optics Communications, 2006, 260, 415-419.	1.0	9
283	SYMBOLIC COMPUTATION STUDY OF BRIGHT SOLITONIC PULSES IN THE NORMAL DISPERSION REGION. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 235-242.	1.1	9
284	Ultrashort soliton pulses in the modified nonlinear SchrÃ¶dinger equation with distributed coefficients in inhomogeneous fibers. European Physical Journal D, 2010, 59, 443-449.	0.6	9
285	Conservation Laws and Analytic Soliton Solutions for Coupled Integrable Dispersionless Equations with Symbolic Computation. Communications in Theoretical Physics, 2010, 54, 687-696.	1.1	9
286	Symbolic-Computation Study on the (2+1)-Dimensional Dispersive Long Wave System. SIAM Journal on Applied Mathematics, 2010, 70, 2259-2272.	0.8	9
287	Conservation laws for perturbed solitons in optical metamaterials. Results in Physics, 2018, 8, 898-902.	2.0	9
288	Nonlinear bi-integrable couplings of a generalized Kaupâ€“Newell type soliton hierarchy. Optik, 2018, 172, 1003-1011.	1.4	9

#	Article	IF	Citations
289	M-typed dark soliton generation in optical fibers. Optik, 2019, 193, 162997.	1.4	9
290	C-Map: Hyper-Resolution Adaptive Preprocessing System for CSI Amplitude-Based Fingerprint Localization. IEEE Access, 2019, 7, 135063-135075.	2.6	9
291	Nonlinear control of M-typed solitons in dispersion management systems. Optik, 2019, 179, 624-627.	1.4	9
292	Photothermal effect of Au nanoparticles and photothermal inactivation to saccharomycetes cell. Optik, 2020, 206, 163757.	1.4	9
293	Lattice-distorted lithiation behavior of a square phase Janus MoSSe monolayer for electrode applications. Nanoscale Advances, 2021, 3, 2902-2910.	2.2	9
294	The synergy of photodeposited CoNi co-catalysts for the photocatalytic performance of C₃N₄/CdS nanosheets: optimized Gibbs free energy and Coâ€“S bridging bonds. Catalysis Science and Technology, 2021, 11, 5579-5589.	2.1	9
295	Gray optical dips of Kundu-Mukherjee-Naskar model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 401, 127341.	0.9	9
296	Formation of chirped kink similaritons in non-Kerr media with varying Raman effect. Results in Physics, 2021, 26, 104381.	2.0	9
297	Interaction properties of double-hump solitons in the dispersion decreasing fiber. Nonlinear Dynamics, 2022, 109, 1047-1052.	2.7	9
298	Soliton-like solutions of the coupled Hirotaâ€“Maxwellâ€“Bloch system in optical fibers with symbolic computation. Physica Scripta, 2009, 79, 065016.	1.2	8
299	Analytic study on the pulse transmission control system in dispersion decreasing fibers. Journal of Modern Optics, 2009, 56, 1151-1158.	0.6	8
300	Measurements of femtosecond temporal speckle field of a random medium. Chinese Physics B, 2010, 19, 024204.	0.7	8
301	Symbolic computation of solitons in the normal dispersion regime of inhomogeneous optical fibres. Quantum Electronics, 2011, 41, 545-551.	0.3	8
302	All-optical soliton switching for the asymmetric fiber couplers. European Physical Journal D, 2013, 67, 1.	0.6	8
303	Analytic study on amplification of solitons in inhomogeneous optical fibers. Journal of Electromagnetic Waves and Applications, 2013, 27, 884-889.	1.0	8
304	Soliton interactions in dispersion-decreasing fibers with the exponential dispersion profile. Journal of Modern Optics, 2013, 60, 1992-1996.	0.6	8
305	Mode-locked ytterbium fiber lasers using a large modulation depth carbon nanotube saturable absorber without an additional spectral filter. Laser Physics Letters, 2014, 11, 095105.	0.6	8
306	Magnetically tunable broadband transmission through a single small aperture. Scientific Reports, 2015, 5, 12489.	1.6	8

#	Article	IF	Citations
307	Optical frequency comb generation using two cascaded polarization modulators. Photonic Network Communications, 2016, 32, 126-132.	1.4	8
308	Anti-dark soliton interactions for the variable-coefficient nonlinear SchrÃ¶dinger equation. Optik, 2018, 161, 217-220.	1.4	8
309	CC-DTW: An Accurate Indoor Fingerprinting Localization Using Calibrated Channel State Information and Modified Dynamic Time Warping. Sensors, 2019, 19, 1984.	2.1	8
310	Layered AuTe2Se4/3 for a stable nanosecond Q-switched fiber laser. Optik, 2020, 204, 164231.	1.4	8
311	In situ preparation of 2D MoS₂ nanosheets vertically supported on TiO₂/PVDF flexible fibers and their photocatalytic performance. Nanotechnology, 2020, 31, 375606.	1.3	8
312	Vanadium disulfide for ultrafast photonic application. Nanotechnology, 2021, 32, 015202.	1.3	8
313	Soliton solutions and integrability for the generalized variable-coefficient extended Kortewegâ€“de Vries equation in fluids. Applied Mathematics Letters, 2013, 26, 402-407.	1.5	7
314	Dromion-like structures and stability analysis in the variable coefficients complex Ginzburgâ€“Landau equation. Annals of Physics, 2015, 360, 341-348.	1.0	7
315	One-Step Hydrothermal Synthesis of P25 @ Few Layered MoS2 Nanosheets toward Enhanced Bi-catalytic Activities: Photocatalysis and Electrocatalysis. Nanomaterials, 2019, 9, 1636.	1.9	7
316	Chirped self-similar cnoidal waves and similaritons in an inhomogeneous optical medium with resonant nonlinearity. Chaos, Solitons and Fractals, 2020, 141, 110441.	2.5	7
317	Nonlinear control for soliton interactions in optical fiber systems. Nonlinear Dynamics, 2020, 101, 1215-1220.	2.7	7
318	Analysis of interaction between two solitons based on computerized symbolic computation. Optik, 2020, 206, 164210.	1.4	7
319	Spontaneous n-Doping in Growing Monolayer MoS₂ by Alkali Metal Compound-Promoted CVD. ACS Applied Materials & Interfaces, 2021, 13, 58144-58151.	4.0	7
320	Collisions of three higher order dark double- and single-hump solitons in optical fiber. Chaos, Solitons and Fractals, 2022, 157, 111816.	2.5	7
321	A recombinant replication-competent hepatitis C virus expressing Azami-Green, a bright green-emitting fluorescent protein, suitable for visualization of infected cells. Biochemical and Biophysical Research Communications, 2008, 377, 7-11.	1.0	6
322	Soliton Solutions for a Generalized Inhomogeneous Variable-Coefficient Hirota Equation with Symbolic Computation. Studies in Applied Mathematics, 2010, 125, no-no.	1.1	6
323	Analytic solution for a nonlinear chemistry system of ordinary differential equations. Nonlinear Dynamics, 2012, 68, 17-21.	2.7	6
324	Relative entropy-based Kalman filter for seamless indoor/outdoor multi-source fusion positioning with INS/TC-OFDM/GNSS. Cluster Computing, 2019, 22, 8351-8361.	3.5	6

#	Article	IF	Citations
325	Multiple Soliton Solutions of the Sawada-Kotera Equation with a Nonvanishing Boundary Condition and the Perturbed Korteweg de Vries Equation by Using the Multiple Exp-Function Scheme. Advances in Mathematical Physics, 2019, 2019, 1-5.	0.4	6
326	Hafnium sulfide nanosheets for large energy passively Q-switched fiber laser application. Optical Materials, 2020, 102, 109784.	1.7	6
327	Solitonâ€“soliton interaction and its influence on soliton amplitude and period. Results in Physics, 2021, 30, 104831.	2.0	6
328	Soliton solutions and BÃcklund transformation for the complex Ginzburgâ€“Landau equation. Applied Mathematics and Computation, 2011, 217, 4369-4376.	1.4	5
329	Analytic study on bound solitons and soliton collisions for the coupled nonlinear SchrÃ¶dinger equations. Journal of Modern Optics, 2012, 59, 470-483.	0.6	5
330	Pulse collapse and blue-shifted enhanced supercontinuum in a photonic crystal fiber. Chinese Physics B, 2013, 22, 034204.	0.7	5
331	Dynamic solitons for the perturbed derivative nonlinear SchrÃ¶dinger equation in nonlinear optics. Laser Physics, 2015, 25, 065401.	0.6	5
332	Soliton amplification in gain medium governed by Ginzburgâ€“Landau equation. Nonlinear Dynamics, 2015, 81, 1133-1141.	2.7	5
333	A multi-band access radio-over-fiber link with SSB optical millimeter-wave signals based on optical carrier suppression modulation. Optical Switching and Networking, 2015, 18, 235-241.	1.2	5
334	Sensitivity enhancement of optical fiber vibration sensor through encapsulation of acoustic Helmholtz resonator. Optik, 2018, 169, 33-40.	1.4	5
335	Integrated athermal arrayed-waveguide grating multiplexer and demultiplexer with all-metal compensating rod for broadband temperature application. Applied Optics, 2018, 57, 6207.	0.9	5
336	Interactions between M-typed dark solitons in nonlinear optics. Optik, 2019, 198, 163170.	1.4	5
337	Self-similar solitons in optical waveguides with dual-power law refractive index. Laser Physics, 2019, 29, 075401.	0.6	5
338	Opto-acoustic effect of Au nanoparticles in water under irradiation of pulse laser. Optik, 2020, 202, 163512.	1.4	5
339	Molten-salt thermosynthesis of amorphous RuCoFe nanosheets as bifunctional catalysts for electrochemical water splitting. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	5
340	Study on phase-shift control in dispersion decreasing fibers. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 150506.	0.2	5
341	Femtosecond laser speckles. Applied Optics, 2005, 44, 6506.	2.1	4
342	Pulse Amplification in Dispersion-Decreasing Fibers with Symbolic Computation. Communications in Theoretical Physics, 2009, 52, 1076-1080.	1.1	4

#	Article	IF	Citations
343	Bright and dark solitons in the normal dispersion regime of inhomogeneous optical fibers. Journal of Modern Optics, 2010, 57, 1498-1503.	0.6	4
344	Flow cytometric assay using two fluorescent proteins for the function of the internal ribosome entry site of hepatitis C virus. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 653-660.	1.1	4
345	Multiple refocusing in BK9 glass generated by a loosely focused high-intensity femtosecond pulse. Optical Engineering, 2012, 51, 099001-1.	0.5	4
346	Pulse Compression And Pedestal Suppression For The High-Order Solitons. Journal of Electromagnetic Waves and Applications, 2012, 26, 1261-1273.	1.0	4
347	BÃcklund transformation, superposition formulae and N-soliton solutions for the perturbed Kortewegâ€“de Vries equation. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2394-2402.	1.7	4
348	Periodic solitons in dispersion decreasing fibers with a cosine profile. Chinese Physics B, 2014, 23, 100502.	0.7	4
349	Long-distance interactions between optical solitons with an oscillating structure. Laser Physics Letters, 2014, 11, 085107.	0.6	4
350	N-soliton solutions, BÃcklund transformation and conservation laws for the integro-differential nonlinear SchrÃ¶binger equation from the isotropic inhomogeneous Heisenberg spin magnetic chain. Computational Mathematics and Mathematical Physics, 2014, 54, 727-743.	0.2	4
351	An Unambiguous Tracking Technique for Sine-BOC(kn,n) Modulated GNSS Signals. Wireless Personal Communications, 2018, 103, 1101-1112.	1.8	4
352	Solitons in optical metamaterials having parabolic law nonlinearity with detuning effect and Raman scattering. Optik, 2018, 164, 606-609.	1.4	4
353	Propagation of chirped optical similaritons in inhomogeneous tapered centrosymmetric nonlinear waveguides doped with resonant impurities. Laser Physics, 2019, 29, 085401.	0.6	4
354	A calibrated-RSSI/PDR/Map intergrated system based on a novel particle filter for indoor navigation. , 2019, , .		4
355	Interactions between M-typed solitons based on nonlinear optimization in dispersion management systems. Optik, 2019, 182, 144-147.	1.4	4
356	Catalytic activity for hydrogen evolution reaction in square phase Janus MoSSe monolayer: A first-principles study. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114485.	1.3	4
357	Multi-Scene Doppler Power Spectrum Modeling of LEO Satellite Channel Based on Atlas Fingerprint Method. IEEE Access, 2021, 9, 11811-11822.	2.6	4
358	Group Analysis and Exact Soliton Solutions to a New (3+1)-Dimensional Generalized Kadomtsev-Petviashvili Equation in Fluid Mechanics. Acta Physica Polonica A, 2018, 134, 564-569.	0.2	4
359	Study on transmission characteristics of dark solitons in inhomogeneous optical fibers. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 090504.	0.2	4
360	Facile Preparation of Cadmium Gallate Nanoparticles as a Novel Photocatalyst with High Efficiency and Stability. Nanoscience and Nanotechnology Letters, 2019, 11, 678-682.	0.4	4

#	Article	IF	Citations
361	Soliton Solutions and Bilinear BÃcklund Transformation for Generalized Nonlinear SchrÃ¶dinger Equation with Radial Symmetry. Communications in Theoretical Physics, 2010, 54, 635-640.	1.1	3
362	Soliton solutions for a variable-coefficient Kortewegâ€“de Vries equation in fluids and plasmas. Physica Scripta, 2010, 82, 055008.	1.2	3
363	BÃcklund transformation and soliton interactions for the Zakharovâ€“Kuznetsov equation in plasmas. Journal of Mathematical Analysis and Applications, 2012, 396, 497-503.	0.5	3
364	Triple Wronskian solutions of the coupled derivative nonlinear SchrÃ¶dinger equations in optical fibers. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2845-2853.	1.7	3
365	Analytic study on soliton amplification in graphene oxide mode-locked Er-doped fiber lasers. Journal of Modern Optics, 2014, 61, 773-777.	0.6	3
366	Center positioning of circular interference fringe patterns for fine measurement. Optik, 2014, 125, 2796-2799.	1.4	3
367	Thermally tunable slot-coupled dielectric resonator antenna. AIP Advances, 2017, 7, .	0.6	3
368	Hierarchically Porous MgMn2O4 Microspheres Assembled with Nanosheets as High Oxygen Reduction Catalyst. Catalysis Letters, 2019, 149, 1903-1910.	1.4	3
369	Q-switched all-fiber laser based on MoSe₂ films with chemical vapor deposition method. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950019.	1.1	3
370	Armchair Janus MoSSe Nanoribbon with Spontaneous Curling: A First-Principles Study. Nanomaterials, 2021, 11, 3442.	1.9	3
371	Construction of Interfacial Pâ€“Ni Bonding for Enhanced Hydrogen Evolution Performance of P-Doped C₃N₄/Ni Photocatalysts. ACS Applied Energy Materials, 2022, 5, 5756-5765.	2.5	3
372	Soliton solutions and BÃcklund transformation for the generalized inhomogeneous coupled nonlinear SchrÃ¶dinger equations via symbolic computation. Physica Scripta, 2009, 80, 065012.	1.2	2
373	Conservation laws and soliton solutions for a nonlinear SchrÃ¶dinger equation with self-consistent sources in plasmas. Physica Scripta, 2010, 81, 045008.	1.2	2
374	Periodic waves in nonlinear metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1344-1346.	0.9	2
375	Breathers and solitons in nonlinear optical materials. Journal of Electromagnetic Waves and Applications, 2014, 28, 873-879.	1.0	2
376	Parallel transmission of solitons without interactions. Journal of Modern Optics, 2015, 62, 658-661.	0.6	2
377	19-fs pulse generated by supercontinuum compression. Chinese Physics B, 2016, 25, 024209.	0.7	2
378	An indoor positioning method based on wireless signal and image. , 2016, , .		2

#	Article	IF	Citations
379	Wireless clock synchronization based on UWB positioning system and its ranging optimization. , 2018, , .		2
380	A Dynamic Adaptive Positioning Method based on Differential Signal Feature Map. , 2018, , .		2
381	Analytic study on soliton solutions for a Dirac integrable equation. Optik, 2019, 183, 869-874.	1.4	2
382	EF-Razor: An Effective Edge-Feature Processing Method in Visual SLAM. IEEE Access, 2020, 8, 140798-140805.	2.6	2
383	Hydrothermal twoâ€dimensionalisation to porous ZnCo 2 O 4 nanosheets nonâ€platinum ORR catalyst. Micro and Nano Letters, 2019, 14, 665-668.	0.6	2
384	An efficient edge-feature constraint visual SLAM. , 2019, , .		2
385	Soliton Solutions and Conservation Laws of a (3+1)-Dimensional Nonlinear Evolution Equation. Acta Physica Polonica A, 2019, 135, 539-545.	0.2	2
386	SOLITONS AND LOCALIZED EXCITATIONS FOR THE (2+1)-DIMENSIONAL DISPERSIVE LONG WAVE SYSTEM VIA SYMBOLIC COMPUTATION. International Journal of Modern Physics B, 2010, 24, 3529-3541.	1.0	1
387	The Composite Structure of Hologram and Optical Waveguide. , 0, , .		1
388	PAINLEVÃ‰ ANALYSIS, LAX PAIR AND BÄCKLUND TRANSFORMATION FOR THE GROSSâ€“PITAEVSKII EQUATION IN THE BOSEâ€“EINSTEIN CONDENSATES. International Journal of Modern Physics B, 2011, 25, 1037-1047.	1.0	1
389	Soliton solutions and BÃcklund transformation for the normalized linearly coupled nonlinear wave equations with symbolic computation. Applied Mathematics and Computation, 2012, 218, 10386-10392.	1.4	1
390	Symbolic computation on pulse compression without pedestal in an inhomogeneous medium. Optical and Quantum Electronics, 2013, 45, 1037-1044.	1.5	1
391	Fabrication of a D-shaped fiber by femtosecond laser-induced water breakdown for carbon nanotubesâ€™ evanescent field interaction mode-locking of a double-clad fiber laser. Laser Physics, 2013, 23, 085110.	0.6	1
392	Blue Femtosecond Pulse Generated in Periodically Poled Lithium Tantalite. Ferroelectrics, Letters Section, 2014, 41, 100-109.	0.4	1
393	Study on high coupling efficiency Er-doped fiber laser for femtosecond optical frequency comb. Laser Physics, 2016, 26, 095102.	0.6	1
394	Inelastic interaction between dark solitons for fourth-order variable-coefficient nonlinear SchrÃ¶dinger equation. Journal of Electromagnetic Waves and Applications, 2017, 31, 762-767.	1.0	1
395	Fusion algorithm of improved fingerprinting/PDR/Map based on Extended Kalman Filter (EKF)/Particle Filter(PF). , 2018, , .		1
396	A Novel Multipath Mitigation Method Based on Fast Orthogonal Search (FOS) for Short-Delay Multipath with Zero Doppler Shift Difference. Lecture Notes in Electrical Engineering, 2018, , 289-299.	0.3	1

#	Article	IF	Citations
397	A Novel Dimension Reduction Algorithm for Fingerprint Positioning based on GrDOP and Geometric Constraints. , 0, , .		1
398	Research progress of mode-locked pulsed fiber lasers with high damage threshold saturable absorber. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 024206.	0.2	1
399	The contrast of femtosecond laser speckles in the image plane. , 2005, , .		0
400	Measuring temporal fluctuation on femtosecond scale in a random medium. Optics Communications, 2007, 275, 71-75.	1.0	0
401	Soliton Solutions, Pairwise Collisions and Partially Coherent Interactions for A Generalized (1+1)-Dimensional Coupled Nonlinear SchrÃ¶dinger System via Symbolic Computation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 679-687.	0.7	0
402	Reductions and Solutions of Two Types of Coupled Nonlinear Evolution Equations in Optical Fibers and Fluid Dynamics. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 552-558.	0.7	0
403	N-soliton solution and soliton collisions of the (2+1)-dimensional nonlinear long-wave Boussinesq-class equation. Physica Scripta, 2011, 84, 035003.	1.2	0
404	BÃcklund Transformation and N-Soliton Solutions for the Cylindrical Nonlinear Schrodinger Equation from the Diverging Quasi-Plane Envelope Waves. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 441-450.	0.7	0
405	Quadratic spatial solitons generated in periodically poled lithium tantalite. Optical Engineering, 2013, 52, 087103.	0.5	0
406	Measurement of soliton decay and dispersive wave generation in photonic crystal fiber. Optical Engineering, 2014, 53, 054101.	0.5	0
407	Generation of Broadband Spectrum from a Simple Nonlinear-Polarization-Evolution Mode-Locked Yb-Doped Fiber Oscillator. Chinese Physics Letters, 2015, 32, 054211.	1.3	0
408	Yb-doped fiber comb based on a tapered single-mode fiber. , 2015, , .		0
409	Non-Line-of-Sight Error Analysis Model Based on Fitting. , 2017, , .		0
410	Generation of 408 fs dark soliton pulse in a mode-locked ytterbium-doped fiber laser. , 2017, , .		0
411	A Novel Carrier Loop Algorithm Based on Maximum Likelihood Estimation (MLE) and Kalman Filter (KF) for Weak TC-OFDM Signals. , 2018, , .		0
412	Virtual Satellite Positioning Technology Based on Differential Pressure Altimetry and PDR. , 2018, , .		0
413	Multisimi-Markov: An Improved Markov Position Prediction Method. , 2018, , .		0
414	Simulation of Third-Order Intermodulation Distortion Suppression Incorporating Dual-Parallel Machâ€“Zehnder Modulator in a CR-SSB Modulation. Fiber and Integrated Optics, 2018, 37, 328-346.	1.7	0

#	Article	IF	Citations
415	Research on indoor/outdoor state switching based on smart phone and GNSS satellite status information. , 2019, , .		0
416	70 fs hybrid mode-locked Erbium-doped fiber laser with topological insulator. , 2015, , .		0
417	Tungsten disulphide saturable absorber for ultrashort pulse generation in all-fiber lasers. , 2017, , .		0
418	Multi-period PMFÂ+ÂFFT Acquisition Method Based on Symbol Estimation. Lecture Notes in Electrical Engineering, 2017, , 297-305.	0.3	0
419	Full-duplex mobile fronthaul link for low- and high-frequency hybrid network architecture with colorless RRU based on analog radio over fiber technology. Optical Engineering, 2019, 58, 1.	0.5	0
420	Intracavity-pumped Yb:YAG lasers using the 915-nm absorption line. Optical Engineering, 2019, 58, 1.	0.5	0
421	Dark soliton trains generation from self-mode-locking fiber laser with an ultra-long ring cavity. , 2020, , .		0
422	NOLM-based mode-locked Yb-doped fiber laser with wide-spectrum. , 2020, , .		0
423	Watt-level all-fiber 1.7-Î¼m picosecond synchronously pumped Raman laser. Optik, 2022, 257, 168829.	1.4	0