Anjan Biswas

List of Publications by Year
in descending order

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582	21,141	5876 81	27345 106
papers	citations	h-index	g-index

584	584	584	1989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modified simple equation method for nonlinear evolution equations. Applied Mathematics and Computation, 2010, 217, 869-877.	1.4	355
2	Bright and dark solitons of the generalized nonlinear SchrÃ¶dingerâ€™s equation. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1473-1484.	1.7	227
3	Optical solitons in nonlinear directional couplers by sineâ€“cosine function method and Bernoulliâ€™s equation approach. Nonlinear Dynamics, 2015, 81, 1933-1949.	2.7	200
4	Optical soliton perturbation in a non-Kerr law media. Optics and Laser Technology, 2008, 40, 647-662.	2.2	174
5	1-soliton solution of the equation with generalized evolution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4601-4602.	0.9	174
6	Optical soliton cooling with polynomial law of nonlinear refractive index. Journal of Optics (India), 2020, 49, 580-583.	0.8	154
7	Soliton solutions to resonant nonlinear SchrÃ¶dingerâ€™s equation with time-dependent coefficients by trial solution approach. Nonlinear Dynamics, 2015, 81, 277-282.	2.7	153
8	Optical soliton perturbation with fractional-temporal evolution by first integral method with conformable fractional derivatives. Optik, 2016, 127, 10659-10669.	1.4	147
9	Optical solitons with complex Ginzburgâ€“Landau equation by modified simple equation method. Optik, 2017, 144, 475-480.	1.4	136
10	Optical solitons and conservation laws associated with Kudryashovï¿½s sextic power-law nonlinearity of refractive index. Ukrainian Journal of Physical Optics, 2021, 22, 38-49.	9.7	136
11	Optical solitons with complex Ginzburgâ€“Landau equation. Nonlinear Dynamics, 2016, 85, 1979-2016.	2.7	135
12	Cubicâ€“quartic optical solitons in Kerr and power law media. Optik, 2017, 144, 357-362.	1.4	134
13	Optical soliton solutions to Fokas-lenells equation using some different methods. Optik, 2018, 173, 21-31.	1.4	132
14	Stationary solutions for nonlinear dispersive SchrÃ¶dingerâ€™s equation. Nonlinear Dynamics, 2011, 63, 623-626.	2.7	130
15	Optical soliton perturbation for Radhakrishnanâ€“Kunduâ€“Lakshmanan equation with a couple of integration schemes. Optik, 2018, 163, 126-136.	1.4	128
16	Conservation laws for cubicâ€“quartic optical solitons in Kerr and power law media. Optik, 2017, 145, 650-654.	1.4	127
17	Optical solitons and conservation laws with quadratic-cubic nonlinearity. Optik, 2017, 128, 63-70.	1.4	127
18	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

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19	Optical solitons in (2+1)â€“Dimensions with Kunduâ€“Mukherjeeâ€“Naskar equation by extended trial function scheme. Chinese Journal of Physics, 2019, 57, 72-77.	2.0	125
20	Mitigating Internet bottleneck with fractional temporal evolution of optical solitons having quadraticâ€“cubic nonlinearity. Optik, 2018, 164, 84-92.	1.4	123
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	Solitary wave solution for the generalized Kawahara equation. Applied Mathematics Letters, 2009, 22, 208-210.	1.5	120
24	Topological solitons of resonant nonlinear SchÃ¶dinger'sequation with dual-power law nonlinearity by Gâ€²/G-expansion technique. Optik, 2014, 125, 5480-5489.	1.4	120
25	Perturbation theory and optical soliton cooling with anti-cubic nonlinearity. Optik, 2017, 142, 73-76.	1.4	120
26	Analytic study on interactions between periodic solitons with controllable parameters. Nonlinear Dynamics, 2018, 94, 703-709.	2.7	120
27	Phase shift, amplification, oscillation and attenuation of solitons in nonlinear optics. Journal of Advanced Research, 2019, 15, 69-76.	4.4	120
28	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
29	Optical soliton perturbation with Fokasâ€“Lenells equation using three exotic and efficient integration schemes. Optik, 2018, 165, 288-294.	1.4	119
30	Application of semi-inverse variational principle to cubic-quartic optical solitons with kerr and power law nonlinearity. Optik, 2018, 172, 847-850.	1.4	118
31	Phase-shift controlling of three solitons in dispersion-decreasing fibers. Nonlinear Dynamics, 2019, 98, 395-401.	2.7	118
32	Lie symmetry analysis for cubicâ€“quartic nonlinear SchrÃ¶dinger's equation. Optik, 2018, 169, 12-15.	1.4	117
33	1-soliton solution of the generalized Radhakrishnan, Kundu, Lakshmanan equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2546-2548.	0.9	116
34	Bright and dark Thirring optical solitons with improved adomian decomposition method. Optik, 2017, 130, 1115-1123.	1.4	116
35	Interaction properties of solitonics in inhomogeneous optical fibers. Nonlinear Dynamics, 2019, 95, 557-563.	2.7	116
36	Optical soliton perturbation in non-Kerr law media: Traveling wave solution. Optics and Laser Technology, 2012, 44, 263-268.	2.2	115

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37	Optical solitons for the resonant nonlinear SchrÃ¶dinger's equation with time-dependent coefficients by the first integral method. Optik, 2014, 125, 3107-3116.	1.4	115
38	Periodic attenuating oscillation between soliton interactions for higher-order variable coefficient nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2019, 96, 801-809.	2.7	115
39	1-Soliton solution of KdV6 equation. Nonlinear Dynamics, 2015, 80, 387-396.	2.7	114
40	Optical solitons with anti-cubic nonlinearity by extended trial equation method. Optik, 2017, 136, 368-373.	1.4	114
41	Optical solitons and complexitons of the SchrÃ¶dingerâ€“Hirota equation. Optics and Laser Technology, 2012, 44, 2265-2269.	2.2	113
42	Soliton solutions of the resonant nonlinear SchrÃ¶dingerâ€™s equation in optical fibers with time-dependent coefficients by simplest equation approach. Journal of Modern Optics, 2013, 60, 1627-1636.	0.6	113
43	Dispersive optical solitons by Kudryashov's method. Optik, 2014, 125, 6874-6880.	1.4	113
44	Exact solitons to generalized resonant dispersive nonlinear SchrÃ¶dinger's equation with power law nonlinearity. Optik, 2017, 130, 178-183.	1.4	112
45	Optical Soliton Perturbation with Improved Nonlinear SchrÃ¶dinger's Equation in Nano Fibers. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 208-220.	0.1	111
46	Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method. Optik, 2017, 131, 964-976.	1.4	110
47	Quasi-stationary non-Kerr law optical solitons. Optical Fiber Technology, 2003, 9, 224-259.	1.4	109
48	Bright and dark optical solitons with time-dependent coefficients in a non-Kerr law media. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3865-3873.	1.7	109
49	Optical soliton perturbation in a log-law medium with full nonlinearity by He's semi-inverse variational principle. Inverse Problems in Science and Engineering, 2012, 20, 227-232.	1.2	108
50	Analytical study of Thirring optical solitons with parabolic law nonlinearity and spatio-temporal dispersion. European Physical Journal Plus, 2015, 130, 1.	1.2	108
51	Optical soliton perturbation with anti-cubic nonlinearity by semi-inverse variational principle. Optik, 2017, 143, 131-134.	1.4	108
52	Resonant optical solitons with quadratic-cubic nonlinearity by semi-inverse variational principle. Optik, 2017, 145, 18-21.	1.4	107
53	Dark optical solitons in power law media with time-dependent coefficients. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4438-4441.	0.9	106
54	Generation and control of multiple solitons under the influence of parameters. Nonlinear Dynamics, 2019, 95, 143-150.	2.7	106

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55	A Lie symmetry approach to nonlinear SchrÃ¶dingerâ€™s equation with non-Kerr law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4033-4040.	1.7	105
56	Dispersive optical solitons with SchrÃ¶dingerâ€“Hirota equation. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450014.	1.1	105
57	Singular solitons in optical metamaterials by ansatz method and simplest equation approach. Journal of Modern Optics, 2014, 61, 1550-1555.	0.6	105
58	Bright and dark solitons for the resonant nonlinear SchrÃ¶dinger's equation with time-dependent coefficients. Optics and Laser Technology, 2012, 44, 2223-2231.	2.2	104
59	Cnoidal and snoidal wave solutions to coupled nonlinear wave equations by the extended Jacobiâ€™s elliptic function method. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 915-925.	1.7	104
60	Optical solitons with anti-cubic nonlinearity using three integration schemes. Superlattices and Microstructures, 2017, 105, 1-10.	1.4	103
61	Darboux transformation and analytic solutions for a generalized super-NLS-mKdV equation. Nonlinear Dynamics, 2019, 98, 1491-1500.	2.7	103
62	Optical Solitons by Heâ€™s Variational Principle in a Non-Kerr Law Media. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 526-537.	1.2	101
63	Optical solitons and optical rogons of generalized resonant dispersive nonlinear SchrÃ¶dinger's equation with power law nonlinearity. Optik, 2014, 125, 4246-4256.	1.4	100
64	Dark solitons for a generalized nonlinear SchrÃ¶dinger equation with parabolic law and dual-power law nonlinearities. Mathematical Methods in the Applied Sciences, 2011, 34, 958-962.	1.2	99
65	Thirring combo-solitons with cubic nonlinearity and spatio-temporal dispersion. Waves in Random and Complex Media, 2016, 26, 204-210.	1.6	99
66	Optical solitons in birefringent fibers with spatio-temporal dispersion. Optik, 2014, 125, 4935-4944.	1.4	98
67	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
68	1-soliton solution of ()-dimensional nonlinear SchrÃ¶dinger's equation in dual-power law media. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5941-5943.	0.9	97
69	Optical solitons with non-Kerr law nonlinearity and inter-modal dispersion with time-dependent coefficients. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2320-2330.	1.7	96
70	Bright and dark solitons in optical metamaterials. Optik, 2014, 125, 3299-3302.	1.4	95
71	Bright, dark and singular optical solitons in a cascaded system. Laser Physics, 2015, 25, 025402.	0.6	95
72	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

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73	Optical solitons with quadratic-cubic nonlinearity by semi-inverse variational principle. Optik, 2017, 139, 16-19.	1.4	95
74	Perturbation of chirped localized waves in a dual-power law nonlinear medium. Chaos, Solitons and Fractals, 2022, 160, 112198.	2.5	93
75	TEMPORAL 1-SOLITON SOLUTION OF THE COMPLEX GINZBURG-LANDAU EQUATION WITH POWER LAW NONLINEARITY. Progress in Electromagnetics Research, 2009, 96, 1-7.	1.6	92
76	Adiabatic parameter dynamics of perturbed solitary waves. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 734-748.	1.7	92
77	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
78	Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear SchrÃ¶dinger's Equation. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1182-1191.	0.4	89
79	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
80	Optical solitons in nonlinear directional couplers with spatio-temporal dispersion. Journal of Modern Optics, 2014, 61, 441-458.	0.6	87
81	Thirring optical solitons in birefringent ï¬bers with spatio-temporal dispersion and Kerr law nonlinearity. Laser Physics, 2015, 25, 015402.	0.6	86
82	Solitary wave solution for KdV equation with power-law nonlinearity and time-dependent coefficients. Nonlinear Dynamics, 2009, 58, 345-348.	2.7	83
83	Chirped femtosecond pulses in the higher-order nonlinear SchrÃ¶dinger equation with non-Kerr nonlinear terms and cubicâ€“quinticâ€“septic nonlinearities. Optics Communications, 2016, 366, 362-369.	1.0	82
84	Dispersion-managed solitons in optical fibres. Journal of Optics, 2002, 4, 84-97.	1.5	80
85	Optical soliton perturbation for complex Ginzburgâ€“Landau equation with modified simple equation method. Optik, 2018, 158, 399-415.	1.4	80
86	Solitary waves of Boussinesq equation in a power law media. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3738-3742.	1.7	77
87	Soliton solutions of the generalized Kleinâ€“Gordon equation by using $$left(rac{G^{prime) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	76
88	Sub pico-second chirped envelope solitons and conservation laws in monomode optical fibers for a new derivative nonlinear SchrÃ¶dinger's model. Optik, 2018, 173, 235-241.	1.4	74
89	Soliton solutions to resonant nonlinear schrodinger's equation with time-dependent coefficients by modified simple equation method. Optik, 2016, 127, 11450-11459.	1.4	72
90	Jacobi spectral collocation approximation for multi-dimensional time-fractional SchrÃ¶dinger equations. Nonlinear Dynamics, 2016, 84, 1553-1567.	2.7	71

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91	Conservation laws for optical solitons with anti-cubic and generalized anti-cubic nonlinearities. Optik, 2019, 176, 198-201.	1.4	71
92	Solitary waves for power-law regularized long-wave equation and R(m,n) equation. Nonlinear Dynamics, 2010, 59, 423-426.	2.7	69
93	Some lump solutions for a generalized (3+1)-dimensional Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2020, 366, 124757.	1.4	69
94	Nonlinear control of logic structure of all-optical logic devices using soliton interactions. Nonlinear Dynamics, 2022, 107, 1215-1222.	2.7	69
95	The method and topological soliton solution of the K(m,n) equation. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2377-2382.	1.7	68
96	Periodic soliton interactions for higher-order nonlinear SchrÃ¶dinger equation in optical fibers. Nonlinear Dynamics, 2020, 100, 2817-2821.	2.7	67
97	Solitons and other nonlinear waves of the Boussinesq equation. Nonlinear Dynamics, 2012, 70, 1213-1221.	2.7	66
98	Additional conservation laws for Rosenauâ€“KdVâ€“RLW equation with power law nonlinearity by Lie symmetry. Nonlinear Dynamics, 2015, 79, 743-748.	2.7	66
99	Solitons, Shock Waves and Conservation Laws of Rosenau-KdV-RLW Equation with Power Law Nonlinearity. Applied Mathematics and Information Sciences, 2014, 8, 485-491.	0.7	64
100	Soliton perturbation theory for phi-four model and nonlinear Kleinâ€“Gordon equations. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3239-3249.	1.7	63
101	1-Soliton solution of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>B</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>m</mml:mi><mml:mtext>,</mml:mtext><mml:mi>n</mml:mi><mml:mo) Tj ETQq1 1 0.784314 Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3226-3229.	1.7	63
102	Solitons and periodic solutions to a couple of fractional nonlinear evolution equations. Pramana - Journal of Physics, 2014, 82, 465-476.	0.9	63
103	Solitons and other solutions to quantum Zakharovâ€“Kuznetsov equation in quantum magneto-plasmas. Indian Journal of Physics, 2013, 87, 455-463.	0.9	61
104	Optical solitons in DWDM system by extended trial equation method. Optik, 2017, 141, 157-167.	1.4	61
105	Bright optical solitons for Lakshmanan-Porsezian-Daniel model by semi-inverse variational principle. Optik, 2018, 154, 109-114.	1.4	60
106	Chirp-free bright optical soliton perturbation with Fokasâ€“Lenells equation by traveling wave hypothesis and semi-inverse variational principle. Optik, 2018, 170, 431-435.	1.4	60
107	Perturbation of topological solitons due to sine-Gordon equation and its type. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1227-1244.	1.7	59
108	Solitons in Optical Metamaterials by Functional Variable Method and First Integral Approach. Frequenz, 2014, 68, .	0.6	59

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109	Dispersive optical solitons with SchrÃ¶dingerâ€“Hirota equation by extended trial equation method. Optik, 2017, 136, 451-461.	1.4	56
110	Optical soliton perturbation with Fokasâ€“Lenells equation by mapping methods. Optik, 2019, 178, 104-110.	1.4	56
111	Optical solitons with Kudryashovâ€™s equation by extended trial function. Optik, 2020, 202, 163290.	1.4	56
112	Dark and singular optical solutions with dual-mode nonlinear SchrÃ¶dinger's equation and Kerr-law nonlinearity. Optik, 2018, 172, 822-825.	1.4	55
113	Optical solitons and conservation laws of Kudryashov's equation with improved modified extended tanh-function. Optik, 2021, 225, 165406.	1.4	55
114	PainlevÃ© Analysis and a Solution to the Traveling Wave Reduction of the Radhakrishnan â€” Kundu â€” Lakshmanan Equation. Regular and Chaotic Dynamics, 2019, 24, 607-614.	0.3	54
115	Solitons and conservation laws in magneto-optic waveguides with triple-power law nonlinearity. Journal of Optics (India), 2020, 49, 584-590.	0.8	54
116	Solitary wave solution for the generalized KdV equation with time-dependent damping and dispersion. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3503-3506.	1.7	52
117	1-Soliton solution of Benjaminâ€“Bonaâ€“Mahoney equation with dual-power law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2744-2746.	1.7	52
118	Dispersive dark optical soliton with SchÃ¶dinger-Hirota equation by Gâ€²/G-expansion approach in power law medium. Optik, 2014, 125, 4215-4218.	1.4	52
119	Perturbed dark and singular optical solitons in polarization preserving fibers by modified simple equation method. Superlattices and Microstructures, 2017, 111, 487-498.	1.4	52
120	Chirp-free bright optical soliton perturbation with Chenâ€“Leeâ€“Liu equation by traveling wave hypothesis and semi-inverse variational principle. Optik, 2018, 172, 772-776.	1.4	52
121	Optical solitons in DWDM system with spatio-temporal dispersion. Journal of Nonlinear Optical Physics and Materials, 2015, 24, 1550006.	1.1	51
122	Optical solitons in nonlinear directional couplers with trial function scheme. Nonlinear Dynamics, 2017, 88, 1891-1915.	2.7	51
123	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
124	Propagation properties of dipole-managed solitons through an inhomogeneous cubicâ€“quinticâ€“septic medium. Optics Communications, 2018, 425, 64-70.	1.0	51
125	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
126	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mfrac><mml:mrow><mml:msup><mml:mrow><mml:mi>G</mml:mi></mml:mrow><mml:mrow><mml:mo>â€² method and 1-soliton solution of the Daveyâ€“Stewartson equation. Mathematical and Computer Modelling, 2011, 53, 694-698.	2.0	50

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127	Perturbation of dispersive shallow water waves. Ocean Engineering, 2013, 63, 1-7.	1.9	50
128	Dark and singular dispersive optical solitons of SchrÃ¶dingerâ€“Hirota equation by modified simple equation method. Optik, 2017, 136, 445-450.	1.4	50
129	Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method. Optik, 2019, 182, 88-94.	1.4	50
130	Topological and singular soliton solution to Kunduâ€“Eckhaus equation with extended Kudryashov's method. Optik, 2017, 128, 57-62.	1.4	49
131	Optical solitons with Radhakrishnanâ€“Kunduâ€“Lakshmanan equation by extended trial function scheme. Optik, 2018, 160, 415-427.	1.4	49
132	Chirp-free bright optical solitons and conservation laws for complex Ginzburg-Landau equation with three nonlinear forms. Optik, 2018, 174, 207-215.	1.4	49
133	Chirp-free optical solitons in fiber Bragg gratings with dispersive reflectivity having polynomial law of nonlinearity. Optik, 2021, 225, 165681.	1.4	49
134	Highly dispersive optical solitons in birefringent fibers with four nonlinear forms using Kudryashovâ€™s approach. Journal of Optics (India), 2021, 50, 120-131.	0.8	49
135	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
136	1-Soliton solution of the generalized Camassaâ€“Holm Kadomtsevâ€“Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2524-2527.	1.7	48
137	Optical solitons with log-law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3763-3767.	1.7	48
138	Topological and non-topological solitons of nonlinear Kleinâ€“Gordon equations by He's semi-inverse variational principle. Journal of the Franklin Institute, 2010, 347, 1148-1157.	1.9	48
139	Solitons for perturbed Gerdjikovâ€“Ivanov equation in optical fibers and PCF by extended Kudryashovâ€™s method. Optical and Quantum Electronics, 2018, 50, 1.	1.5	48
140	Optical soliton perturbation with Chenâ€“Leeâ€“Liu equation. Optik, 2020, 220, 165177.	1.4	48
141	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
142	Effects of dispersion terms on optical soliton propagation in a lossy fiber system. Nonlinear Dynamics, 2021, 104, 629-637.	2.7	48
143	Group analysis, exact solutions and conservation laws of a generalized fifth order KdV equation. Chaos, Solitons and Fractals, 2016, 86, 8-15.	2.5	47
144	Optical soliton perturbation with complex Ginzburgâ€“Landau equation using trial solution approach. Optik, 2018, 160, 44-60.	1.4	47

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145	Chirped optical solitons of Chenâ€“Leeâ€“Liu equation by extended trial equation scheme. Optik, 2018, 156, 999-1006.	1.4	47
146	Soliton perturbation theory for the quadratic nonlinear Kleinâ€“Gordon equation. Applied Mathematics and Computation, 2008, 203, 153-156.	1.4	46
147	1-soliton solution of the Zakharovâ€“Kuznetsov equation with dual-power law nonlinearity. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3574-3577.	1.7	46
148	Solitons and conservation laws of Kleinâ€“Gordon equation with power law and log law nonlinearities. Nonlinear Dynamics, 2013, 73, 2191-2196.	2.7	46
149	Singular solitons, shock waves, and other solutions to potential KdV equation. Nonlinear Dynamics, 2014, 76, 1059-1068.	2.7	46
150	Dark and singular optical solitons with spatio-temporal dispersion using modified simple equation method. Optik, 2017, 130, 324-331.	1.4	46
151	Optical soliton perturbation with full nonlinearity for Fokasâ€“Lenells equation. Optik, 2018, 165, 29-34.	1.4	46
152	Optical solitons: Quasi-stationarity versus Lie transform. Optical and Quantum Electronics, 2003, 35, 979-998.	1.5	45
153	1-soliton solution of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>K</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi>m</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi> equation with generalized evolution and time-dependent damping and dispersion. Computers and Mathematics With Applications, 2010, 59, 2536-2540.	1.4	45
154	OPTICAL SOLITON PERTURBATION IN NANOFIBERS WITH IMPROVED NONLINEAR SCHRÃ–DINGER'S EQUATION BY SEMI-INVERSE VARIATIONAL PRINCIPLE. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250054.	1.1	45
155	Quasiâ€“monochromatic dynamics of optical solitons having quadraticâ€“cubic nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126528.	0.9	45
156	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
157	Chirped bright solitons for Chenâ€“Leeâ€“Liu equation in optical fibers and PCF. Optik, 2017, 149, 300-303.	1.4	44
158	Optical soliton perturbation with complex Ginzburg-Landau equation by semi-inverse variational principle. Optik, 2017, 147, 77-81.	1.4	44
159	Optical solitons with differential group delay for coupled Fokasâ€“Lenells equation by extended trial function scheme. Optik, 2018, 165, 102-110.	1.4	44
160	Cubic-quartic bright optical solitons with improved Adomian decomposition method. Journal of Advanced Research, 2020, 21, 161-167.	4.4	44
161	OPTICAL SOLITONS IN MULTI-DIMENSIONS WITH SPATIO-TEMPORAL DISPERSION AND NON-KERR LAW NONLINEARITY. Journal of Nonlinear Optical Physics and Materials, 2013, 22, 1350035.	1.1	43
162	Solitons in optical metamaterials with fractional temporal evolution. Optik, 2016, 127, 10879-10897.	1.4	43

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163	Analysis of optical solitons in nonlinear negative-indexed materials with anti-cubic nonlinearity. Optical and Quantum Electronics, 2018, 50, 1.	1.5	43
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