Aly Seadawy

List of Publications by Year in descending order

469 papers	18,256 citations	6840 81 h-index	31191 106 g-index
471 all docs	471 docs citations	471 times ranked	2072 citing authors

#	Article	IF	Citations
1	On the phase separation in the ternary alloys: Numerical and computational simulations of the <scp>Atanganaâ€“Baleanu</scp> timeâ€fractional <scp>Cahnâ€“Allen</scp> equation. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	1
2	On rigorous computational and numerical solutions for the voltages of the electrified transmission range with the day yet distance. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	2
3	Construction of breather solutions and N-soliton for the higher order dimensional Caudreyâ€“Doddâ€“Gibbonâ€“Sawadaâ€“Kotera equation arising from wave patterns. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 319-327.	0.4	14
4	Numerical scheme and analytical solutions to the stochastic nonlinear advection diffusion dynamical model. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 467-487.	0.4	16
5	The weakly nonlinear wave propagation of the generalized third-order nonlinear SchrÃ¶dinger equation and its applications. Waves in Random and Complex Media, 2022, 32, 819-831.	1.6	34
6	Construction of analytical wave solutions to the conformable fractional dynamical system of ion sound and Langmuir waves. Waves in Random and Complex Media, 2022, 32, 2587-2605.	1.6	16
7	Optical soliton perturbation with paraboliâ€“nonlocal combo nonlinearity: undetermined coefficients and semi-inverse variational principle. Journal of Optics (India), 2022, 51, 22-28.	0.8	11
8	Numerical study of multi-dimensional hyperbolic telegraph equations arising in nuclear material science via an efficient local meshless method. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 115-122.	0.4	12
9	Perturbed optical solitons with conformable time-space fractional Gerdjikovâ€“Ivanov equation. Mathematical Sciences, 2022, 16, 431-443.	1.0	13
10	A variety of novel closedâ€form soliton solutions to the family of Boussinesqâ€like equations with different types. Journal of Ocean Engineering and Science, 2022, 7, 543-554.	1.7	5
11	Solitary wave solutions along with Painleve analysis for the Ablowitzâ€“Kaupâ€“Newellâ€“Segur water waves equation. Modern Physics Letters B, 2022, 36, .	1.0	12
12	Mixed soliton solutions for the (2+1)-dimensional generalized breaking soliton system via new analytical mathematical method. Results in Physics, 2022, 32, 105030.	2.0	19
13	On solitons: Propagation of shallow water waves for the fifth-order KdV hierarchy integrable equation. Open Physics, 2022, 19, 828-842.	0.8	4
14	Diverse Multiple Lump Analytical Solutions for Ion Sound and Langmuir Waves. Mathematics, 2022, 10, 200.	1.1	16
15	Dispersive dromions, conserved densities and fluxes with integrability via P-test for couple of nonlinear dynamical system. Results in Physics, 2022, 33, 105151.	2.0	7
16	Weakly nonlinear electron-acoustic waves in the fluid ions propagated via a (3+1)-dimensional generalized Kortewegâ€“de-Vriesâ€“Zakharovâ€“Kuznetsov equation in plasma physics. Results in Physics, 2022, 33, 105069.	2.0	37
17	Abundant stable novel solutions of fractional-order epidemic model along with saturated treatment and disease transmission. Open Physics, 2022, 19, 843-852.	0.8	4
18	Nonlinear physical complex hirota dynamical system: Construction of chirp free optical dromions and numerical wave solutions. Chaos, Solitons and Fractals, 2022, 156, 111788.	2.5	13

#	Article	IF	Citations
19	Chirped periodic waves for an cubic-quintic nonlinear SchrÃ¶dinger equationÂwith self steepening and higher order nonlinearities. Chaos, Solitons and Fractals, 2022, 156, 111804.	2.5	26
20	Three types of periodic solutions of new (3â€‰+â€‰1)â€dimensional Boitiâ€“Leonâ€“Mannaâ€“Pempinelli equation via bilinear neural network method. Mathematical Methods in the Applied Sciences, 2022, 45, 5612-5621.	1.2	22
21	Multiple lump and interaction solutions for fifth-order variable coefficient nonlinear-SchrÃ¶dinger dynamical equation. Optical and Quantum Electronics, 2022, 54, 154.	1.5	13
22	Applications of rogue wave, breathers, multiwave and interaction solutions to long water-wave equation. International Journal of Modern Physics B, 2022, 36, .	1.0	3
23	Various forms of M-shaped rational, periodic cross kink waves and breathers for Boseâ€“Einstien condensate model. Optical and Quantum Electronics, 2022, 54, 1.	1.5	2
24	Investigation of chirp-free dromions to higher-order nonlinear SchrÃ¶dinger equation with non-Kerr terms. International Journal of Modern Physics B, 2022, 36, .	1.0	12
25	Multi lump and interaction solutions for Atangana conformable Boussinesq-like equation. Results in Physics, 2022, 34, 105187.	2.0	6
26	Soliton solutions of Calogeroâ€“Degasperisâ€“Fokas dynamical equation via modified mathematical methods. Open Physics, 2022, 20, 174-187.	0.8	1
27	Investigation of double dispersive waves in nonlinear elastic inhomogeneous Murnaghanâ€™s rod. Modern Physics Letters B, 2022, 36, .	1.0	10
28	Propagation of traveling wave solutions to the Vakhnenko-Parkes dynamical equation via modified mathematical methods. Applied Mathematics, 2022, 37, 21-34.	0.6	5
29	Applications of the Resonanat nonlinear SchrÃ¶dinger equation with self steeping phenomena for chirped periodic waves. Optical and Quantum Electronics, 2022, 54, 1.	1.5	6
30	Multiple lump and rogue wave for time fractional resonant nonlinear SchrÃ¶dinger equation under parabolic law with weak nonlocal nonlinearity. Optical and Quantum Electronics, 2022, 54, 212.	1.5	14
31	Highly dispersive optical soliton molecules to dual-mode nonlinear SchrÃ¶dinger wave equation in cubic law media. Optical and Quantum Electronics, 2022, 54, 1.	1.5	13
32	Dust-acoustic solitary wave solutions for mixed nonlinearity modified Korteweg-de Vries dynamical equation via analytical mathematical methods. Journal of Geometry and Physics, 2022, 176, 104504.	0.7	9
33	Some novel solitary wave solutions to the generalized coupled nonlinear SchrÃ¶dingerâ€“Kortewegâ€“de Vries equations. Results in Physics, 2022, 35, 105321.	2.0	4
34	The homotopy simulation of MHD time dependent three dimensional shear thinning fluid flow over a stretching plate. Chaos, Solitons and Fractals, 2022, 157, 111888.	2.5	9
35	Ultra-short pulses generationâ€™s precise influence on the light transmission in optical fibers. Results in Physics, 2022, 37, 105411.	2.0	29
36	Multi-wave, M-shaped rational and interaction solutions for fractional nonlinear electrical transmission line equation. Journal of Geometry and Physics, 2022, 177, 104503.	0.7	20

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37	Nonlinear acoustic wave structures to the Zabolotskaya-Khokholov dynamical model. Journal of Geometry and Physics, 2022, 175, 104474.	0.7	17
38	Computational extracting solutions for the perturbed Gerdjikov-Ivanov equation by using improved modified extended analytical approach. Journal of Geometry and Physics, 2022, 176, 104514.	0.7	17
39	Various forms of lumps and interaction solutions to generalized Vakhnenko Parkes equation arising from high-frequency wave propagation in electromagnetic physics. Journal of Geometry and Physics, 2022, 176, 104507.	0.7	30
40	A variety of soliton solutions for the Mikhailov-Novikov-Wang dynamical equation via three analytical methods. Journal of Geometry and Physics, 2022, 176, 104515.	0.7	18
41	Dispersive optical solitons along with integrability test and one soliton transformation for saturable cubic-quintic nonlinear media with nonlinear dispersion. Journal of Geometry and Physics, 2022, 177, 104521.	0.7	11
42	Nonlinear dynamical study to time fractional Dullianâ€“Gottwaldâ€“Holm model of shallow water waves. International Journal of Modern Physics B, 2022, 36, .	1.0	22
43	Exact and numerical solutions to the system of the chlorite iodide malonic acid chemical reactions. Computational and Applied Mathematics, 2022, 41, 1.	1.0	9
44	New dispersive optical soliton for an nonlinear SchrÃ¶dinger equation with Kudryashov law of refractive index along with P-test. Optical and Quantum Electronics, 2022, 54, 1.	1.5	15
45	Structure of analytical ion-acoustic solitary wave solutions for the dynamical system of nonlinear wave propagation. Open Physics, 2022, 20, 313-333.	0.8	11
46	Solitary Wave Solutions for the Higher Dimensional Jimo-Miwa Dynamical Equation via New Mathematical Techniques. Mathematics, 2022, 10, 1011.	1.1	13
47	Study of breathers, rogue waves and lump solutions for the nonlinear chains of atoms. Optical and Quantum Electronics, 2022, 54, 1.	1.5	23
48	Application of Hirota operators for controlling soliton interactions for Bose-Einstien condensate and quintic derivative nonlinear SchrÃ¶dinger equation. Chaos, Solitons and Fractals, 2022, 159, 112128.	2.5	27
49	Soliton behavior of algae growth dynamics leading to the variation in nutrients concentration. Journal of King Saud University - Science, 2022, 34, 102071.	1.6	17
50	Diverse Forms of Breathers and Rogue Wave Solutions for the Complex Cubic Quintic Ginzburg Landau Equation with Intrapulse Raman Scattering. Mathematics, 2022, 10, 1818.	1.1	6
51	Some new optical dromions to (2+1)-dimensional nonlinear SchrÃ¶dinger equation with Kerr law of nonlinearity. Optical and Quantum Electronics, 2022, 54, .	1.5	13
52	Discussion on rational solutions for Nematicons in liquid crystals with Kerr Law. Chaos, Solitons and Fractals, 2022, 160, 112218.	2.5	30
53	Integrability, conservation laws and exact solutions for a model equation under non-canonical perturbation expansions. Journal of Geometry and Physics, 2022, 178, 104581.	0.7	4
54	Multiple breathers and rational solutions to Ito integro-differential equation arising in shallow water waves. Journal of Geometry and Physics, 2022, 178, 104540.	0.7	12

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55	Detailed analysis for chirped pulses to cubic-quintic nonlinear non-paraxial pulse propagation model. Journal of Geometry and Physics, 2022, 178, 104561.	0.7	16
56	Optical soliton solution analysis for the (2+1) dimensional Kunduâ€“Mukherjeeâ€“Naskar model with local fractional derivatives. Optical and Quantum Electronics, 2022, 54, .	1.5	9
57	Logarithmic transformation for the resonant nonlinear SchrÃ¶dingerâ€™s equation with parabolic nonlinearity equation. Optical and Quantum Electronics, 2022, 54, .	1.5	5
58	The nonlinear SchrÃ¶dinger equation with polynomial law nonlinearity: localized chirped optical and solitary wave solutions. Optical and Quantum Electronics, 2022, 54, .	1.5	17
59	Weierstrass and Jacobi elliptic, bell and kink type, lumps, Ma and Kuznetsov breathers with rogue wave solutions to the dissipative nonlinear SchrÃ¶dinger equation. Chaos, Solitons and Fractals, 2022, 160, 112258.	2.5	37
60	Multiple lump, generalized breathers, Akhmediev breather, manifold periodic and rogue wave solutions for generalized Fitzhugh-Nagumo equation: Applications in nuclear reactor theory. Chaos, Solitons and Fractals, 2022, 161, 112326.	2.5	28
61	Lumps, breathers, interactions and rogue wave solutions for a stochastic gene evolution in double chain deoxyribonucleic acid system. Chaos, Solitons and Fractals, 2022, 161, 112307.	2.5	30
62	On theoretical analysis of nonlinear fractional order partial Benney equations under nonsingular kernel. Open Physics, 2022, 20, 587-595.	0.8	5
63	The ion sound and Langmuir waves dynamical system via computational modified generalized exponential rational function. Chaos, Solitons and Fractals, 2022, 161, 112381.	2.5	25
64	Homoclinic breaters, mulitwave, periodic cross-kink and periodic cross-rational solutions for improved perturbed nonlinear SchrÃ¶dinger's with quadratic-cubic nonlinearity. Chaos, Solitons and Fractals, 2022, 161, 112353.	2.5	12
65	On modulation instability analysis and rogue waves in the presence of external potential: The (n +) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	7
66	Optical and analytical soliton solutions to higher order non-Kerr nonlinear SchrÃ¶dinger dynamical model. Journal of Geometry and Physics, 2022, 179, 104616.	0.7	23
67	The pulses propagation beyond ultra-short range in the systems of optical communication via higher-order nonlinear SchrÃ¶dinger equation with derivative non-Kerr nonlinear terms. Indian Journal of Physics, 2021, 95, 2047-2056.	0.9	2
68	Analytical and semiâ€analytical solutions for timeâ€fractional Cahnâ€“Allen equation. Mathematical Methods in the Applied Sciences, 2021, 44, 2682-2691.	1.2	32
69	Dispersive of propagation wave solutions to unidirectional shallow water wave Dullinâ€“Gottwaldâ€“Holm system and modulation instability analysis. Mathematical Methods in the Applied Sciences, 2021, 44, 4094-4104.	1.2	104
70	On the optical solitons and local conservation laws of Chenâ€“Leeâ€“Liu dynamical wave equation. Optik, 2021, 227, 165392.	1.4	18
71	Dispersive soliton solutions for shallow water wave system and modified Benjamin-Bona-Mahony equations via applications of mathematical methods. Journal of Ocean Engineering and Science, 2021, 6, 85-98.	1.7	32
72	New exact traveling wave solutions of the unstable nonlinear SchrÃ¶dinger equations and their applications. Optik, 2021, 226, 165386.	1.4	18

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73	Chirp-free optical solitons in fiber Bragg gratings with dispersive reflectivity having polynomial law of nonlinearity. Optik, 2021, 225, 165681.	1.4	49
74	Conservation laws and optical solutions of the resonant nonlinear SchrÃ¶dinger's equation with parabolic nonlinearity. Optik, 2021, 225, 165762.	1.4	12
75	Elliptic function solutions, modulation instability and optical solitons analysis of the paraxial wave dynamical model with Kerr media. Optical and Quantum Electronics, 2021, 53, 1.	1.5	31
76	Optical dromions and domain walls in (2+1)-dimensional coupled system. Optik, 2021, 227, 165669.	1.4	22
77	Multiple soliton, fusion, breather, lump, mixed kink-lump and periodic solutions to the extended shallow water wave model in (2+1)-dimensions. Modern Physics Letters B, 2021, 35, 2150138.	1.0	23
78	Propagation of the nonlinear damped Kortewegâ€de Vries equation in an unmagnetized collisional dusty plasma via analytical mathematical methods. Mathematical Methods in the Applied Sciences, 2021, 44, 737-748.	1.2	36
79	Elliptic function soliton solutions of the higher-order nonlinear dispersive Kunduâ€“Eckhaus dynamical equation with applications and stability. Indian Journal of Physics, 2021, 95, 691-704.	0.9	0
80	Ion-acoustic solitary wave solutions of nonlinear damped Kortewegâ€“de Vries and damped modified Kortewegâ€“de Vries dynamical equations. Indian Journal of Physics, 2021, 95, 1479-1489.	0.9	10
81	Nonlinear complex physical models: optical soliton solutions of the complex Hirota dynamical model. Indian Journal of Physics, 2021, 95, 489-498.	0.9	8
82	Study of mathematical model of Hepatitis B under Caputo-Fabrizo derivative. AIMS Mathematics, 2021, 6, 195-209.	0.7	19
83	Investigation of interactional phenomena and multi wave solutions of the quantum hydrodynamic Zakharovâ€“Kuznetsov model. Open Physics, 2021, 19, 91-99.	0.8	8
84	Traveling wave solutions for the fractional Wazwazâ€“Benjaminâ€“Bonaâ€“Mahony model in arising shallow water waves. Results in Physics, 2021, 20, 103725.	2.0	90
85	Lump, lump-one stripe, multiwave and breather solutions for the Hunterâ€“Saxton equation. Open Physics, 2021, 19, 1-10.	0.8	108
86	PainlevÃ© analysis for various nonlinear SchrÃ¶dinger dynamical equations. International Journal of Modern Physics B, 2021, 35, 2150038.	1.0	14
87	Lump, rogue wave, multi-waves and Homoclinic breather solutions for (2+1)-Modified Veronese Web equation. International Journal of Modern Physics B, 2021, 35, 2150055.	1.0	12
88	Modulation instability analysis and longitudinal wave propagation in an elastic cylindrical rod modelled with Pochhammer-Chree equation. Physica Scripta, 2021, 96, 045202.	1.2	96
89	On some novel solitons to the generalized (1 + 1)-dimensional unstable spaceâ€“time fractional nonlinear SchrÃ¶dinger model emerging in the optical fibers. Optical and Quantum Electronics, 2021, 53, 1.	1.5	16
90	Diverse exact solutions for modified nonlinear SchrÃ¶dinger equation with conformable fractional derivative. Results in Physics, 2021, 20, 103766.	2.0	124

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91	Lump and optical dromions for paraxial nonlinear SchrÃ¶dinger equation. International Journal of Modern Physics B, 2021, 35, 2150078.	1.0	16
92	Lump-soliton, lump-multisoliton and lump-periodic solutions of a generalized hyperelastic rod equation. Modern Physics Letters B, 2021, 35, 2150188.	1.0	15
93	Optical soliton and elliptic functions solutions of Sasa-satsuma dynamical equation and its applications. Applied Mathematics, 2021, 36, 229-242.	0.6	19
94	Novel traveling wave solutions and stability analysis of perturbed Kaup-Newell SchrÃ¶dinger dynamical model and its applications*. Chinese Physics B, 2021, 30, 020201.	0.7	9
95	A study on single-iteration sobolev descent for linear initial value problems. Optical and Quantum Electronics, 2021, 53, 1.	1.5	7
96	A model of solitary waves in a nonlinear elastic circular rod: Abundant different type exact solutions and conservation laws. Chaos, Solitons and Fractals, 2021, 143, 110486.	2.5	84
97	New optical soliton solutions for Fokasâ€“Lenells dynamical equation via two various methods. Modern Physics Letters B, 2021, 35, 2150196.	1.0	10
98	Soliton solutions of Sasaâ€“Satsuma nonlinear SchrÃ¶dinger model and construction of modulation instability analysis. Optical and Quantum Electronics, 2021, 53, 1.	1.5	12
99	A study of travelling, periodic, quasiperiodic and chaotic structures of perturbed Fokasâ€“Lenells model. Pramana - Journal of Physics, 2021, 95, 1.	0.9	65
100	Analytical mathematical approaches for the double-chain model of DNA by a novel computational technique. Chaos, Solitons and Fractals, 2021, 144, 110669.	2.5	139
101	Rational solutions, and the interaction solutions to the (2 + 1)-dimensional time-dependent Dateâ€“Jimboâ€“Kashiwaraâ€“Miwa equation. International Journal of Computer Mathematics, 2021, 98, 2369-2377.	1.0	26
102	Conservation laws, optical molecules, modulation instability and PainlevÃ© analysis for theÂChenâ€“Leeâ€“Liu model. Optical and Quantum Electronics, 2021, 53, 1.	1.5	53
103	Explicit and traveling wave solutions of the non-linear couple Drinfeld-Sokolov-Wilson dynamical system arising in shallow water waves. Journal of King Saud University - Science, 2021, 33, 101276.	1.6	1
104	Approximate Numerical solutions for the nonlinear dispersive shallow water waves as the Fornbergâ€“Whitham model equations. Results in Physics, 2021, 22, 103907.	2.0	15
105	Exact wave solutions of the fourth order non-linear partial differential equation of optical fiber pulses by using different methods. Optik, 2021, 230, 166313.	1.4	46
106	Soliton solutions, Painleve analysis and conservation laws for a nonlinear evolution equation. Results in Physics, 2021, 23, 103999.	2.0	41
107	Computational and bright soliton solutions and sensitivity behavior of Camassaâ€“Holm and nonlinear SchrÃ¶dinger dynamical equation. International Journal of Modern Physics B, 2021, 35, 2150157.	1.0	15
108	On some novel optical wave solutions to the paraxial M-fractional nonlinear SchrÃ¶dinger dynamical equation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	38

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109	An alternate pathway to solitons in magneto-optic waveguides with triple-power law nonlinearity. Optik, 2021, 231, 166480.	1.4	23
110	Nonlinear dynamical wave structures to the Dateâ€“Jimboâ€“Kashiwaraâ€“Miwa equation and its modulation instability analysis. Modern Physics Letters B, 2021, 35, 2150300.	1.0	18
111	Analytical wave structures in plasma physics modelled by Gilson-Pickering equation by two integration norms. Results in Physics, 2021, 23, 103959.	2.0	88
112	Various optical soliton for a weak fractional nonlinear SchrÃ¶dinger equation with parabolic law. Results in Physics, 2021, 23, 103998.	2.0	29
113	Analytical versus numerical solutions of the nonlinear fractional timeâ€“space telegraph equation. Modern Physics Letters B, 2021, 35, 2150324.	1.0	78
114	Structure of analytical and numerical wave solutions for the Ito integro-differential equation arising in shallow water waves. Journal of King Saud University - Science, 2021, 33, 101375.	1.6	16
115	Optical Soliton perturbation with fractional temporal evolution by extended modified auxiliary equation mapping. Revista Mexicana De FÃsica, 2021, 67, .	0.2	0
116	Study on soliton solutions of the longitudinal wave equation and magneto-electro-elastic circular rod dynamical model. International Journal of Modern Physics B, 2021, 35, 2150168.	1.0	13
117	Collision phenomena among lump, periodic and soliton solutions to a (2+1)-dimensional Bogoyavlenskii's breaking soliton model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 397, 127263.	0.9	41
118	Unveiling the Potential Role of Nanozymes in Combating the COVID-19 Outbreak. Nanomaterials, 2021, 11, 1328.	1.9	9
119	Propagation of wave solutions of nonlinear Heisenberg ferromagnetic spin chain and Vakhnenko dynamical equations arising in nonlinear water wave models. Chaos, Solitons and Fractals, 2021, 146, 110629.	2.5	15
120	Bilinear BÃcklund transformation, Nâ€soliton, and infinite conservation laws for Laxâ€“Kadomtsevâ€“Petviashvili and generalized Kortewegâ€“de Vries equations. Mathematical Methods in the Applied Sciences, 2021, 44, 11591-11612.	1.2	10
121	Diverse Novel Stable Traveling Wave Solutions of the Advanced or Voltage Spectrum of Electrified Transmission Through Fractional Non-linear Model. Frontiers in Physics, 2021, 9, .	1.0	3
122	Lump, multi-wave, kinky breathers, interactional solutions and stability analysis for general (2Â+Â1)-rth dispersionless Dym equation. Results in Physics, 2021, 25, 104160.	2.0	41
123	Application of scaling invariance approach, P-test and soliton solutions for couple of dynamical models. Results in Physics, 2021, 25, 104227.	2.0	16
124	Search for adequate closed form wave solutions to spaceâ€“time fractional nonlinear equations. Partial Differential Equations in Applied Mathematics, 2021, 3, 100025.	1.3	12
125	Dispersive analytical wave solutions of the strain waves equation in microstructured solids and Laxâ€™ fifth-order dynamical systems. Physica Scripta, 2021, 96, 105203.	1.2	6
126	Optical solitons to birefringent fibers for coupled Radhakrishnanâ€“Kunduâ€“Lakshmanan model without four-wave mixing. Optical and Quantum Electronics, 2021, 53, 1.	1.5	25

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127	Abundant Traveling Wave and Numerical Solutions of Weakly Dispersive Long Waves Model. Symmetry, 2021, 13, 1085.	1.1	22
128	Stability analysis and soliton solutions for the longitudinal wave equation in magneto electro-elastic circular rod. Results in Physics, 2021, 26, 104329.	2.0	10
129	On study of modulation instability and optical soliton solutions: the chiral nonlinear SchrÃ¶dinger dynamical equation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	17
130	Computational Soliton solutions for the variable coefficient nonlinear SchrÃ¶dinger equation by collective variable method. Optical and Quantum Electronics, 2021, 53, 1.	1.5	9
131	Exact and solitary wave solutions of conformable time fractional Clannish Random Walkerâ€™s Parabolic and Ablowitz-Kaup-Newell-Segur equations via modified mathematical methods. Results in Physics, 2021, 26, 104374.	2.0	12
132	Highly dispersive optical solitons and other soluions for the Radhakrishnanâ€“Kunduâ€“Lakshmanan equation in birefringent fibers by an efficient computational technique. Optical and Quantum Electronics, 2021, 53, 1.	1.5	21
133	Symbolic computation and sensitivity analysis of nonlinear Kudryashovâ€™s dynamical equation with applications. Physica Scripta, 2021, 96, 105216.	1.2	38
134	Analytical optical soliton solutions of the SchrÃ¶dinger-Poisson dynamical system. Results in Physics, 2021, 27, 104369.	2.0	42
135	Kinetics of phase separation in Feâ€“Crâ€“X (X =Mo, Cu) ternary alloys â€” a dynamical wave study. International Journal of Modern Physics B, 2021, 35, 2150220.	1.0	10
136	Optical dromions for perturbed fractional nonlinear SchrÃ¶dinger equation with conformable derivatives. Optical and Quantum Electronics, 2021, 53, 1.	1.5	12
137	Analytical wave solutions of the (2+1)â€dimensional Boitiâ€“Leonâ€“Pempinelli and Boitiâ€“Leonâ€“Mannaâ€“Pempinelli equations by mathematical methods. Mathematical Methods in the Applied Sciences, 2021, 44, 14292-14315.	1.2	15
138	Dual-wave of resonant nonlinear SchrÃ¶dinger's dynamical equation with different nonlinearities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 407, 127446.	0.9	17
139	Rational closed form soliton solutions to certain nonlinear evolution equations ascend in mathematical physics. Results in Physics, 2021, 27, 104450.	2.0	6
140	Multi-wave, homoclinic breather, M-shaped rational and other solitary wave solutions for coupled-Higgs equation. European Physical Journal: Special Topics, 2021, 230, 3519-3532.	1.2	11
141	Rational solutions and their interactions with kink and periodic waves for a nonlinear dynamical phenomenon. International Journal of Modern Physics B, 2021, 35, .	1.0	27
142	Diverse acoustic wave propagation to confirmable timeâ€“space fractional KP equation arising in dusty plasma. Communications in Theoretical Physics, 2021, 73, 115004.	1.1	20
143	Highly dispersive Optical solitons to the generalized third-order nonlinear SchrÃ¶dinger dynamical equation with applications. Optik, 2021, 241, 167109.	1.4	36
144	Highly dispersive optical soliton perturbation of Kudryashovâ€™s arbitrary form having sextic-power law refractive index. International Journal of Modern Physics B, 2021, 35, .	1.0	8

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145	Rogue, multi-wave, homoclinic breather, M-shaped rational and periodic-kink solutions for a nonlinear model describing vibrations. Results in Physics, 2021, 29, 104654.	2.0	12
146	Exact solutions for the nonlinear extended KdV equation in a stratified shear flow using modified exponential rational method. Results in Physics, 2021, 29, 104723.	2.0	24
147	Study of multiple lump and rogue waves to the generalized unstable space time fractional nonlinear SchrÃ¶dinger equation. Chaos, Solitons and Fractals, 2021, 151, 111251.	2.5	97
148	Dispersive wave propagation of the nonlinear Sasa-Satsuma dynamical system with computational and analytical soliton solutions. Chaos, Solitons and Fractals, 2021, 152, 111376.	2.5	11
149	Wave propagation for the nonlinear modified Kortewegeâ€“de Vries Zakharovâ€“Kuznetsov and extended Zakharovâ€“Kuznetsov dynamical equations arising in nonlinear wave media. Optical and Quantum Electronics, 2021, 53, 1.	1.5	19
150	Novel Soliton Solutions of Two-Mode Sawada-Kotera Equation and Its Applications. IEEE Access, 2021, 9, 127368-127381.	2.6	11
151	Chirped and chirp-free optical solitons for Heisenberg ferromagnetic spin chains model. Modern Physics Letters B, 2021, 35, 2150139.	1.0	24
152	Numerical appraisal under the influence of the time dependent Maxwell fluid flow over a stretching sheet. Mathematical Methods in the Applied Sciences, 2021, 44, 5265-5279.	1.2	17
153	Optical solutions to the Kundu-Mukherjee-Naskar equation: mathematical and graphical analysis with oblique wave propagation. Physica Scripta, 2021, 96, 025218.	1.2	20
154	Computational schemes between the exact, analytical and numerical solution in present of timeâ€”fractional ecological model. Physica Scripta, 2021, 96, 035207.	1.2	4
155	PainlevÃ© analysis of a nonlinear SchrÃ¶dinger equation discussing dynamics of solitons in optical fiber. International Journal of Modern Physics B, 2021, 35, 2150005.	1.0	13
156	Resonant optical solitons with conformable time-fractional nonlinear SchrÃ¶dinger equation. International Journal of Modern Physics B, 2021, 35, 2150044.	1.0	29
157	Modulation instability analysis and optical solitons of the generalized model for description of propagation pulses in optical fiber with four non-linear terms. Modern Physics Letters B, 2021, 35, 2150112.	1.0	33
158	Solitary wave solutions of the ionic currents along microtubule dynamical equations via analytical mathematical method. Open Physics, 2021, 19, 494-503.	0.8	4
159	Dynamical behaviour of shallow water waves and solitary wave solutions of the Dullin-Gottwald-Holm dynamical system. Journal of King Saud University - Science, 2021, 33, 101627.	1.6	12
160	Novel solitary waves for fractional (2+1)-dimensional Heisenberg ferromagnetic model via new extendedgeneralized Kudryashov method. Physica Scripta, 2021, 96, 125240.	1.2	16
161	Breather, multi-wave, periodic-cross kink, M-shaped and interactions solutions for perturbed NLSE with quadratic cubic nonlinearity. Optical and Quantum Electronics, 2021, 53, 1.	1.5	12
162	Multi-wave, breather and interaction solutions to (3+1) dimensional Vakhnenkoâ€“Parkes equation arising at propagation of high-frequency waves in a relaxing medium. Journal of Taibah University for Science, 2021, 15, 666-678.	1.1	57

#	Article	IF	Citations
163	The higher-order nonlinear SchrÃ¶dingerâ€™s dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity via dispersive analytical soliton wave solutions. Optical and Quantum Electronics, 2021, 53, 1.	1.5	21
164	Chirped Periodic and Solitary Waves for Improved Perturbed Nonlinear SchrÃ¶dinger Equation with Cubic Quadratic Nonlinearity. Fractal and Fractional, 2021, 5, 234.	1.6	10
165	Dispersive soliton solutions for the Salerno equation for the nonlinear discrete electrical lattice in the forbidden bandgaps. International Journal of Modern Physics B, 2021, 35, .	1.0	8
166	Monochromatic optical beam propagation of paraxial dynamical model in Kerr media. Results in Physics, 2021, 31, 105015.	2.0	24
167	Stability analysis and abundant closed-form wave solutions of the Dateâ€“Jimboâ€“Kashiwaraâ€“Miwa and combined sinhâ€“cosh-Gordon equations arising in fluid mechanics. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	0.4	0
168	Construction of abundant novel analytical solutions of the spaceâ€“time fractional nonlinear generalized equal width model via Riemannâ€“Liouville derivative with application of mathematical methods. Open Physics, 2021, 19, 657-668.	0.8	7
169	Diverse wave propagation in shallow water waves with the Kadomtsevâ€“Petviashviliâ€“Benjaminâ€“Bonaâ€“Mahony and Benneyâ€“Luke integrable models. Open Physics, 2021, 19, 808-818.	0.8	7
170	Novel Analytical Approach for the Space-Time Fractional (2+1)-Dimensional Breaking Soliton Equation via Mathematical Methods. Mathematics, 2021, 9, 3253.	1.1	7
171	On the soliton solutions to the modified Benjamin-Bona-Mahony and coupled Drinfelâ€™d-Sokolov-Wilson models and its applications. Journal of King Saud University - Science, 2020, 32, 156-162.	1.6	18
172	Construction of soliton solutions of the modify unstable nonlinear SchrÃ¶dinger dynamical equation in fiber optics. Indian Journal of Physics, 2020, 94, 823-832.	0.9	44
173	Propagation of long-wave with dissipation and dispersion in nonlinear media via generalized Kadomtsiveâ€“Petviashvili modified equal width-Burgers equation. Indian Journal of Physics, 2020, 94, 675-687.	0.9	44
174	Some new families of spiky solitary waves of one-dimensional higher-order K-dV equation with power law nonlinearity in plasma physics. Indian Journal of Physics, 2020, 94, 117-126.	0.9	101
175	Construction of a weakly nonlinear dispersion solitary wave solution for the Zakharovâ€“Kuznetsov-modified equal width dynamical equation. Indian Journal of Physics, 2020, 94, 1465-1474.	0.9	18
176	Arising wave propagation in nonlinear media for the (2+1)-dimensional Heisenberg ferromagnetic spin chain dynamical model. Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122846.	1.2	31
177	Dispersive and propagation of shallow water waves as a higher order nonlinear Boussinesq-like dynamical wave equations. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122662.	1.2	42
178	Application of the extension exponential rational function method for higher-dimensional Broerâ€“Kaupâ€“Kupershmidt dynamical system. Modern Physics Letters A, 2020, 35, 1950345.	0.5	23
179	Soliton solutions of higher order dispersive cubic-quintic nonlinear SchrÃ¶dinger equation and its applications. Chinese Journal of Physics, 2020, 67, 405-413.	2.0	28
180	On the exponential solutions to three extracts from extended fifth-order KdV equation. Journal of King Saud University - Science, 2020, 32, 765-769.	1.6	16

#	Article	IF	Citations
181	Construction of solitary wave solutions of some nonlinear dynamical system arising in nonlinear water wave models. Indian Journal of Physics, 2020, 94, 1785-1794.	0.9	23
182	Dispersive optical solitary wave solutions of strain wave equation in micro-structured solids and its applications. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123122.	1.2	34
183	Abundant numerical and analytical solutions of the generalized formula of Hirota-Satsuma coupled KdV system. Chaos, Solitons and Fractals, 2020, 131, 109473.	2.5	67
184	Propagation of long internal waves in density stratified ocean for the (2+1)-dimensional nonlinear Nizhnik-Novikov-Vesselov dynamical equation. Results in Physics, 2020, 16, 102838.	2.0	125
185	Propagation of nonlinear waves with a weak dispersion via coupled $$(2+1)$$-dimensional Konopelchenkoâ€“Dubrovsky dynamical equation. Pramana - Journal of Physics, 2020, 94, 1.	0.9	13
186	Numerical solution of Kortewegâ€“de Vries-Burgers equation by the modified variational iteration algorithm-II arising in shallow water waves. Physica Scripta, 2020, 95, 045210.	1.2	76
187	Quasi-pinning synchronization and stabilization of fractional order BAM neural networks with delays and discontinuous neuron activations. Chaos, Solitons and Fractals, 2020, 131, 109491.	2.5	46
188	Propagation of kink and anti-kink wave solitons for the nonlinear damped modified Kortewegâ€“de Vries equation arising in ion-acoustic wave in an unmagnetized collisional dusty plasma. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123560.	1.2	103
189	New complex waves of perturbed ShrÃ¶dinger equation with Kerr law nonlinearity and Kundu-Mukherjee-Naskar equation. Results in Physics, 2020, 16, 102816.	2.0	47
190	Study of the dynamical nonlinear modified Kortewegâ€“de Vries equation arising in plasma physics and its analytical wave solutions. Results in Physics, 2020, 19, 103480.	2.0	21
191	Computational and Numerical Solutions for 2+1-Dimensional Integrable Schwarzâ€“Kortewegâ€“de Vries Equation with Miura Transform. Complexity, 2020, 2020, 1-13.	0.9	3
192	Dynamical Behaviour of the Light Pulses through the Optical Fiber: Two Nonlinear Atangana Conformable Fractional Evolution Equations. Journal of Mathematics, 2020, 2020, 1-6.	0.5	5
193	Instability of modulation wave train and disturbance of time period in slightly stable media for unstable nonlinear SchrÃ¶dinger dynamical equation. Modern Physics Letters B, 2020, 34, 2150010.	1.0	15
194	Study of global dynamics of COVID-19 via a new mathematical model. Results in Physics, 2020, 19, 103468.	2.0	27
195	Dispersive of propagation wave structures to the dullin-Gottwald-Holm dynamical equation in a shallow water waves. Chinese Journal of Physics, 2020, 68, 348-364.	2.0	101
196	Multiwave, multicomplexiton, and positive multicomplexiton solutions to a (3Â+Â1)-dimensional generalized breaking soliton equation. AEJ - Alexandria Engineering Journal, 2020, 59, 3473-3479.	3.4	33
197	A domain of influence in the Mooreâ€“Gibsonâ€“Thompson theory of dipolar bodies. Journal of Taibah University for Science, 2020, 14, 653-660.	1.1	92
198	Abundant new computational wave solutions of the GM-DP-CH equation via two modified recent computational schemes. Journal of Taibah University for Science, 2020, 14, 1554-1562.	1.1	25

#	Article	IF	Citations
199	Computational solutions of conformable space-time derivatives dynamical wave equations: Analytical mathematical techniques. Results in Physics, 2020, 19, 103419.	2.0	4
200	On a new conceptual mathematical model dealing the current novel coronavirus-19 infectious disease. Results in Physics, 2020, 19, 103510.	2.0	32
201	The Kleinâ€“Fockâ€“Gordon and Tzitzeica dynamical equations with advanced analytical wave solutions. Results in Physics, 2020, 19, 103565.	2.0	13
202	Application of direct extended modified algebraic method of Bogoyavlenskii equation on lower and upper bounds in managing and optimizing queues. International Journal of Modern Physics B, 2020, 34, 2050166.	1.0	5
203	Closed-form solutions to the solitary wave equation in an unmagnatized dusty plasma. AEJ - Alexandria Engineering Journal, 2020, 59, 1505-1514.	3.4	23
204	Optical soliton solutions for nonlinear complex Ginzburgâ€“Landau dynamical equation with laws of nonlinearity Kerr law media. International Journal of Modern Physics B, 2020, 34, 2050179.	1.0	8
205	The weakly nonlinear wave propagation theory for the Kelvin-Helmholtz instability in magnetohydrodynamics flows. Chaos, Solitons and Fractals, 2020, 139, 110141.	2.5	58
206	Two effective computational schemes for a prototype of an excitable system. AIP Advances, 2020, 10, 105120.	0.6	22
207	Construction of the numerical and analytical wave solutions of the Josephâ€“Egri dynamical equation for the long waves in nonlinear dispersive systems. International Journal of Modern Physics B, 2020, 34, 2050289.	1.0	29
208	Conserved quantities along with PainlevÃ© analysis and optical solitons for the nonlinear dynamics of Heisenberg ferromagnetic spin chains model. International Journal of Modern Physics B, 2020, 34, 2050283.	1.0	102
209	Optical solitons and closed form solutions to the (3+1)-dimensional resonant SchrÃ¶dinger dynamical wave equation. International Journal of Modern Physics B, 2020, 34, 2050291.	1.0	104
210	On dark and singular solitons and other solutions with anti-cubic law of nonlinearity in optical metamaterials. International Journal of Modern Physics B, 2020, 34, 2050186.	1.0	2
211	Propagation of dispersive wave solutions for (3 + 1)-dimensional nonlinear modified Zakharovâ€“Kuznetsov equation in plasma physics. International Journal of Modern Physics B, 2020, 34, 2050227.	1.0	34
212	Controllability criteria of fractional differential dynamical systems with non-instantaneous impulses. IMA Journal of Mathematical Control and Information, 2020, 37, 777-793.	1.1	5
213	Chirp-free optical dromions for the presence of higher order spatio-temporal dispersions and absence of self-phase modulation in birefringent fibers. Modern Physics Letters B, 2020, 34, 2050399.	1.0	126
214	Symmetry reduction, conservation laws and acoustic wave solutions for the extended Zakharovâ€“Kuznetsov dynamical model arising in a dust plasma. Results in Physics, 2020, 19, 103652.	2.0	19
215	On the numerical investigation of the interaction in plasma between (high & low) frequency of (Langmuir & ion-acoustic) waves. Results in Physics, 2020, 18, 103317.	2.0	43
216	Multiwave, Kinky breathers and multi-peak soliton solutions for the nonlinear Hirota dynamical system. Results in Physics, 2020, 19, 103678.	2.0	24

#	Article	IF	Citations
217	Perturbed nonlinear SchrÃ¶dinger dynamical wave equation with Kerr media in nonlinear optics via optical solitons. International Journal of Modern Physics B, 2020, 34, 2050089.	1.0	4
218	Nonlinear incidence Human immunodeficiency virus infection model with optimal control. International Journal of Modern Physics B, 2020, 34, 2050100.	1.0	0
219	On the stable computational, semi-analytical, and numerical solutions of the Langmuir waves in an ionized plasma. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2833-2845.	0.8	3
220	Complex model ultra-short pulses in optical fibers via generalized third-order nonlinear SchrÃ¶dinger dynamical equation. International Journal of Modern Physics B, 2020, 34, 2050143.	1.0	12
221	A third-order nonlinear SchrÃ¶dinger equation: the exact solutions, group-invariant solutions and conservation laws. Journal of Taibah University for Science, 2020, 14, 585-597.	1.1	116
222	Competent closed form soliton solutions to the Riemann wave equation and the Novikov-Veselov equation. Results in Physics, 2020, 17, 103131.	2.0	27
223	Construction of optical soliton solutions of the generalized nonlinear Radhakrishnanâ€“Kunduâ€“Lakshmanan dynamical equation with power law nonlinearity. International Journal of Modern Physics B, 2020, 34, 2050139.	1.0	12
224	Ample soliton waves for the crystal lattice formation of the conformable time-fractional (Nâ€Š+â€Š1) Sinh-Gordon equation by the modified Khater method and the PainlevÃ© property. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2745-2752.	0.8	11
225	Solitary wave solutions of Kaupâ€“Newell optical fiber model in mathematical physics and its modulation instability. Modern Physics Letters B, 2020, 34, 2050277.	1.0	9
226	Analytical methods: Nonlinear longitudinal wave equation in a magnetoelectro-elastic circular rod, foam drainage and modified Degasperisâ€“Procesi models arising in nonlinear water wave models. Modern Physics Letters B, 2020, 34, 2050278.	1.0	5
227	Analytical wave solution for the generalized nonlinear seventh-order KdV dynamical equations arising in shallow water waves. Modern Physics Letters B, 2020, 34, 2050279.	1.0	9
228	Nonlinear self-adjointness, conserved quantities, bifurcation analysis and travelling wave solutions of a family of long-wave unstable lubrication model. Pramana - Journal of Physics, 2020, 94, 1.	0.9	29
229	Interaction properties of soliton molecules and Painleve analysis for nano bioelectronics transmission model. Optical and Quantum Electronics, 2020, 52, 1.	1.5	108
230	On the multi-waves, interaction and Peregrine-like rational solutions of perturbed Radhakrishnanâ€“Kunduâ€“Lakshmanan equation. Physica Scripta, 2020, 95, 085205.	1.2	90
231	Construction of soliton solutions for modified Kawahara equation arising in shallow water waves using novel techniques. International Journal of Modern Physics B, 2020, 34, 2050045.	1.0	21
232	The new structure of analytical and semi-analytical solutions of the longitudinal plasma wave equation in a magneto-electro-elastic circular rod. Modern Physics Letters B, 2020, 34, 2050123.	1.0	23
233	Bright-Dark and Multi Solitons Solutions of (3 + 1)-Dimensional Cubic-Quintic Complex Ginzburgâ€“Landau Dynamical Equation with Applications and Stability. Entropy, 2020, 22, 202.	1.1	6
234	The nonlinear integro-differential Ito dynamical equation via three modified mathematical methods and its analytical solutions. Open Physics, 2020, 18, 24-32.	0.8	9

#	Article	IF	Citations
235	Improved perturbed nonlinear SchrÃ¶dinger dynamical equation with type of Kerr law nonlinearity with optical soliton solutions. Physica Scripta, 2020, 95, 065209.	1.2	26
236	Propagation of traveling wave solutions for nonlinear evolution equation through the implementation of the extended modified direct algebraic method. Applied Mathematics, 2020, 35, 84-100.	0.6	5
237	The interaction of W-shaped rational solitons with kink wave for the nonlinear SchrÃ¶dinger equation with anti-cubic nonlinearity. Modern Physics Letters B, 2020, 34, 2050122.	1.0	10
238	Evaluation of one dimensional fuzzy fractional partial differential equations. AEJ - Alexandria Engineering Journal, 2020, 59, 3347-3353.	3.4	90
239	Dynamical behavior of micro-structured solids with conformable time fractional strain wave equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126683.	0.9	40
240	Construction of traveling and solitary wave solutions for wave propagation in nonlinear low-pass electrical transmission lines. Journal of King Saud University - Science, 2020, 32, 2752-2761.	1.6	21
241	Analytical and semi-analytical ample solutions of the higher-order nonlinear SchrÃ¶dinger equation with the non-Kerr nonlinear term. Results in Physics, 2020, 16, 103000.	2.0	64
242	Propagation of isolated waves of coupled nonlinear (2â€¯+â€¯1)-dimensional Maccari System in plasma physics. Results in Physics, 2020, 17, 102987.	2.0	46
243	Analytical, semi-analytical, and numerical solutions for the Cahnâ€“Allen equation. Advances in Difference Equations, 2020, 2020, .	3.5	42
244	On new computational and numerical solutions of the modified Zakharovâ€“Kuznetsov equation arising in electrical engineering. AEJ - Alexandria Engineering Journal, 2020, 59, 1099-1105.	3.4	40
245	Abundant closed form wave solutions to some nonlinear evolution equations in mathematical physics. Journal of Ocean Engineering and Science, 2020, 5, 269-278.	1.7	36
246	Propagation of harmonic waves in a cylindrical rod via generalized Pochhammer-Chree dynamical wave equation. Results in Physics, 2020, 17, 103039.	2.0	8
247	Computational simulations of the couple Boitiâ€“Leonâ€“Pempinelli (BLP) system and the (3+1)-dimensional Kadomtsevâ€“Petviashvili (KP) equation. AIP Advances, 2020, 10, .	0.6	28
248	Analytic approximate solutions for some nonlinear Parabolic dynamical wave equations. Journal of Taibah University for Science, 2020, 14, 346-358.	1.1	172
249	Propagation of W-shaped, M-shaped and other exotic optical solitons in the perturbed Fokasâ€“Lenells equation. European Physical Journal Plus, 2020, 135, 1.	1.2	11
250	Abundant analytical solutions of the fractional nonlinear (2 + 1)-dimensional BLMP equation arising in incompressible fluid. International Journal of Modern Physics B, 2020, 34, 2050084.	1.0	28
251	Novel soliton waves of two fluid nonlinear evolutions models in the view of computational scheme. International Journal of Modern Physics B, 2020, 34, 2050096.	1.0	37
252	Study on numerical solution of dispersive water wave phenomena by using a reliable modification of variational iteration algorithm. Mathematics and Computers in Simulation, 2020, 177, 13-23.	2.4	92

#	Article	IF	Citations
253	Optical solitons of the paraxial wave dynamical model in kerr media and its applications in nonlinear optics. International Journal of Modern Physics B, 2020, 34, 2050078.	1.0	11
254	The nonlinear diffusion reaction dynamical system with quadratic and cubic nonlinearities with analytical investigations. International Journal of Modern Physics B, 2020, 34, 2050085.	1.0	26
255	Interaction solutions of a variable-coefficient Kadomtsevâ€“Petviashvili equation with self-consistent sources. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, .	0.4	1
256	Lump and Interaction solutions of a geophysical Kortewegâ€“de Vries equation. Results in Physics, 2020, 19, 103661.	2.0	114
257	Transmission of high-frequency waves in a tranquil medium with general form of the Vakhnenko dynamical equation. Physica Scripta, 2020, 95, 095208.	1.2	17
258	Heat transfer analysis of viscoelastic fluid flow with fractional Maxwell model in the cylindrical geometry. Physica Scripta, 2020, 95, 115220.	1.2	19
259	Chirped soliton solutions of Fokasâ€“Lenells equation with perturbation terms and the effect of spatio-temporal dispersion in the modulational instability analysis. European Physical Journal Plus, 2020, 135, 1.	1.2	25
260	Kinky breathers, multi-peak and multi-wave soliton solutions for the nonlinear propagation of Kunduâ€“Eckhaus dynamical model. International Journal of Modern Physics B, 2020, 34, 2050317.	1.0	14
261	The plethora of explicit solutions of the fractional KS equation through liquidâ€“gas bubbles mix under the thermodynamic conditions via Atanganaâ€“Baleanu derivative operator. Advances in Difference Equations, 2020, 2020, .	3.5	55
262	Analytical mathematical schemes: Circular rod grounded via transverse Poissonâ€™s effect and extensive wave propagation on the surface of water. Open Physics, 2020, 18, 545-554.	0.8	5
263	Closed-form wave structures of the space-time fractional Hirotaâ€“Satsuma coupled KdV equation with nonlinear physical phenomena. Open Physics, 2020, 18, 555-565.	0.8	18
264	Stable solutions to the nonlinear RLC transmission line equation and the Sinhâ€“Poisson equation arising in mathematical physics. Open Physics, 2020, 18, 710-725.	0.8	8
265	Complexiton solutions and periodic-soliton solutions for the (2+1)-dimensional BLMP equation. AIMS Mathematics, 2020, 5, 421-439.	0.7	8
266	Chiral soliton solutions of perturbed chiral nonlinear SchrÃ¶dinger equation with its applications in mathematical physics. International Journal of Modern Physics B, 2020, 34, 2050301.	1.0	5
267	On some novel exact solutions to the time fractional (2 + 1) dimensional Konopelchenkoâ€“Dubrovsky system arising in physical science. Open Physics, 2020, 18, 806-819.	0.8	2
268	Structures of exact and solitary optical solutions for the higher-order nonlinear SchrÃ¶dinger equation and its applications in mono-mode optical fibers. Modern Physics Letters B, 2019, 33, 1950279.	1.0	43
269	Peregrine-like rational solitons and their interaction with kink wave for the resonance nonlinear SchrÃ¶dinger equation with Kerr law of nonlinearity. Modern Physics Letters B, 2019, 33, 1950292.	1.0	14
270	Energy and momentum operator substitution method derived from SchrÃ¶dinger equation for light and matter waves. Modern Physics Letters B, 2019, 33, 1950285.	1.0	1

#	Article	IF	Citations
271	Novel solitons and elliptic function solutions of (1 + 1)-dimensional higher order nonlinear SchrÃ¶dinger equation with derivative non-Kerr nonlinear terms and its applications. Modern Physics Letters B, 2019, 33, 1950253.	1.0	3
272	Further investigations to extract abundant new exact traveling wave solutions of some NLEEs. Journal of Ocean Engineering and Science, 2019, 4, 387-394.	1.7	16
273	Structure of optical solitons of resonant SchrÃ¶dinger equation with quadratic cubic nonlinearity and modulation instability analysis. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122155.	1.2	45
274	Applications of nonlinear longitudinal wave equation in a magneto-electro-elastic circular rod and new solitary wave solutions. Modern Physics Letters B, 2019, 33, 1950210.	1.0	67
275	Applications of propagation of long-wave with dissipation and dispersion in nonlinear media via solitary wave solutions of generalized Kadomtsevâ€“Petviashvili modified equal width dynamical equation. Computers and Mathematics With Applications, 2019, 78, 3620-3632.	1.4	104
276	Lump soliton wave solutions for the (2+1)-dimensional Konopelchenkoâ€“Dubrovsky equation and KdV equation. Modern Physics Letters B, 2019, 33, 1950199.	1.0	69
277	Applications of extended modified auxiliary equation mapping method for high-order dispersive extended nonlinear SchrÃ¶dinger equation in nonlinear optics. Modern Physics Letters B, 2019, 33, 1950203.	1.0	116
278	Dispersive Solitary Wave Solutions of Strain Wave Dynamical Model and Its Stability. Communications in Theoretical Physics, 2019, 71, 1155.	1.1	11
279	The conformable space-time fractional mKdV equations and their exact solutions. Journal of King Saud University - Science, 2019, 31, 1478-1484.	1.6	16
280	Solitary wave and elliptic function solutions of sinh-Gordon equation and its applications. Modern Physics Letters B, 2019, 33, 1950436.	1.0	8
281	Analytical wave solutions of the (2â€¯+â€¯1)-dimensional first integro-differential Kadomtsev-Petviashivili hierarchy equation by using modified mathematical methods. Results in Physics, 2019, 15, 102775.	2.0	90
282	Analytical methods via brightâ€“dark solitons and solitary wave solutions of the higher-order nonlinear SchrÃ¶dinger equation with fourth-order dispersion. Modern Physics Letters B, 2019, 33, 1950443.	1.0	15
283	Optimal control of the mathematical viral dynamic model of different hepatitis B infected individuals with numerical simulation. International Journal of Modern Physics B, 2019, 33, 1950310.	1.0	12
284	Nonlinear wave solutions of the Kudryashovâ€“Sinelshchikov dynamical equation in mixtures liquid-gas bubbles under the consideration of heat transfer and viscosity. Journal of Taibah University for Science, 2019, 13, 1060-1072.	1.1	134
285	Wave propagation in a infectious disease model with non-local diffusion. Advances in Difference Equations, 2019, 2019, .	3.5	3
286	Construction of brightâ€“dark solitons and ion-acoustic solitary wave solutions of dynamical system of nonlinear wave propagation. Modern Physics Letters A, 2019, 34, 1950309.	0.5	48
287	Dispersive solitary wave and soliton solutions of the gernalized third order nonlinear SchrÃ¶dinger dynamical equation by modified analytical method. Results in Physics, 2019, 15, 102641.	2.0	34
288	Solitons and elliptic function solutions of higher-order dispersive and perturbed nonlinear SchrÃ¶dinger equations with the power-law nonlinearities in non-Kerr medium. European Physical Journal Plus, 2019, 134, 1.	1.2	10

#	Article	IF	Citations
289	Study of modulation instability analysis and optical soliton solutions of higher-order dispersive nonlinear SchrÃ¶dinger equation with dual-power law nonlinearity. Modern Physics Letters B, 2019, 33, 1950309.	1.0	9
290	Applications of mixed lump-solitons solutions and multi-peaks solitons for newly extended (2+1)-dimensional Boussinesq wave equation. Modern Physics Letters B, 2019, 33, 1950363.	1.0	16
291	Computational wave solutions of generalized higher-order nonlinear Boussinesq dynamical wave equation. Modern Physics Letters A, 2019, 34, 1950338.	0.5	8
292	Generalized solitary wave solutions to the time fractional generalized Hirota-Satsuma coupled KdV via new definition for wave transformation. Journal of Ocean Engineering and Science, 2019, 4, 77-84.	1.7	17
293	M-shaped rational solitons and their interaction with kink waves in the Fokasâ€“Lenells equation. Physica Scripta, 2019, 94, 055205.	1.2	130
294	Soliton solutions of the generalised third-order nonlinear SchrÃ¶dinger equation by two mathematical methods and their stability. Pramana - Journal of Physics, 2019, 93, 1.	0.9	45
295	Applications of dispersive analytical wave solutions of nonlinear seventh order Lax and Kaup-Kupershmidt dynamical wave equations. Results in Physics, 2019, 14, 102372.	2.0	18
296	Propagation of nonlinear complex waves for the coupled nonlinear SchrÃ¶dinger Equations in two core optical fibers. Physica A: Statistical Mechanics and Its Applications, 2019, 529, 121330.	1.2	85
297	Traveling wave solutions for complex nonlinear spaceâ€“time fractional order (2Â+Â1)-dimensional Maccari dynamical system and SchrÃ¶dinger equation with dual power law nonlinearity. SN Applied Sciences, 2019, 1, 1.	1.5	2
298	New applications of the two variable (Gâ€²/G, 1/G)-expansion method for closed form traveling wave solutions of integro-differential equations. Journal of Ocean Engineering and Science, 2019, 4, 132-143.	1.7	34
299	Explicit Lump Solitary Wave of Certain Interesting (3+1)-Dimensional Waves in Physics via Some Recent Traveling Wave Methods. Entropy, 2019, 21, 397.	1.1	52
300	Construction of modulation instability analysis and optical soliton solutions of pertubed nonlinear SchrÃ¶dinger dynamical equation with power law nonlinearity in non-kerr medium. Results in Physics, 2019, 13, 102263.	2.0	31
301	Application of mathematical methods on the system of dynamical equations for the ion sound and Langmuir waves. Pramana - Journal of Physics, 2019, 93, 1.	0.9	157
302	Study of soliton solutions of higher-order nonlinear SchrÃ¶dinger dynamical model with derivative non-Kerr nonlinear terms and modulation instability analysis. Results in Physics, 2019, 13, 102305.	2.0	17
303	Study of optical soliton fibers with power law model by means of higher-order nonlinear SchrÃ¶dinger dynamical system. Results in Physics, 2019, 13, 102251.	2.0	20
304	Some new families of solitary wave solutions of the generalized Schamel equation and their applications in plasma physics. European Physical Journal Plus, 2019, 134, 1.	1.2	90
305	Mixed lump-solitons, periodic lump and breather soliton solutions for (2 + 1)-dimensional extended Kadomtsevâ€“Petviashvili dynamical equation. International Journal of Modern Physics B, 2019, 33, 1950019.	1.0	51
306	Dispersive traveling wave solutions of nonlinear optical wave dynamical models. Modern Physics Letters B, 2019, 33, 1950120.	1.0	4

#	Article	IF	Citations
307	Kinky breathers, W-shaped and multi-peak solitons interaction in (2 + 1)-dimensional nonlinear SchrÃ¶dinger equation with Kerr law of nonlinearity. European Physical Journal Plus, 2019, 134, 1.	1.2	84
308	Dispersive analytical wave solutions of three nonlinear dynamical water waves models via modified mathematical method. Results in Physics, 2019, 13, 102177.	2.0	11
309	Optical solitary wave and elliptic function solutions of the Fokasâ€“Lenells equation in the presence of perturbation terms and its modulation instability. Physica Scripta, 2019, 94, 105202.	1.2	41
310	Structure of system solutions of ion sound and Langmuir dynamical models and their applications. Pramana - Journal of Physics, 2019, 92, 1.	0.9	10
311	Analytical wave solutions for the nonlinear three-dimensional modified Korteweg-de Vries-Zakharov-Kuznetsov and two-dimensional Kadomtsev-Petviashvili-Burgers equations. Results in Physics, 2019, 12, 2164-2168.	2.0	15
312	Complex optical solutions and modulation instability of hyperbolic SchrÃ¶dinger dynamical equation. Results in Physics, 2019, 12, 2091-2097.	2.0	18
313	Dispersive wave solutions of the nonlinear fractional Zakhorov-Kuznetsov-Benjamin-Bona-Mahony equation and fractional symmetric regularized long wave equation. Results in Physics, 2019, 12, 1971-1979.	2.0	24
314	A variety of soliton solutions for the fractional Wazwaz-Benjamin-Bona-Mahony equations. Results in Physics, 2019, 12, 2234-2241.	2.0	52
315	Rogue waves generation and interaction of multipeak rational solitons in the system of equations for the ion sound and Langmuir waves. International Journal of Modern Physics B, 2019, 33, 1950277.	1.0	11
316	Finite volume scheme for numerical simulation of the sediment transport model. International Journal of Modern Physics B, 2019, 33, 1950283.	1.0	10
317	Study of brightâ€“dark solitons of strain wave equation in micro-structured solids and its applications. Modern Physics Letters B, 2019, 33, 1950417.	1.0	10
318	Symbolic computations: Dispersive soliton solutions for (3+1)-dimensional Boussinesq and Kadomtsevâ€“Petviashvili dynamical equations and its applications. International Journal of Modern Physics B, 2019, 33, 1950342.	1.0	5
319	The shock peakon wave solutions of the general Degasperisâ€“Procesi equation. International Journal of Modern Physics B, 2019, 33, 1950351.	1.0	27
320	Stability analysis of convectionâ€“diffusion equations of different finite-element spaces at discrete times. International Journal of Modern Physics B, 2019, 33, 1950330.	1.0	1
321	Modified Auxiliary Equation Method versus Three Nonlinear Fractional Biological Models in Present Explicit Wave Solutions. Mathematical and Computational Applications, 2019, 24, 1.	0.7	36
322	Combined multi-waves rational solutions for complex Ginzburgâ€“Landau equation with Kerr law of nonlinearity. Modern Physics Letters A, 2019, 34, 1950019.	0.5	16
323	Lie point symmetries exact solutions and conservation laws of perturbed Zakharovâ€“Kuznetsov equation with higher-order dispersion term. Modern Physics Letters A, 2019, 34, 1950027.	0.5	17
324	Modulation stability analysis and solitary wave solutions of nonlinear higher-order SchrÃ¶dinger dynamical equation with second-order spatiotemporal dispersion. Indian Journal of Physics, 2019, 93, 1041-1049.	0.9	20

#	Article	IF	Citations
325	Bifurcation analysis of KP and modified KP equations in an unmagnetized dust plasma with nonthermal distributed multi-temperatures ions. Indian Journal of Physics, 2019, 93, 941-949.	0.9	28
326	Three-Dimensional Nonlinear Extended Zakharov-Kuznetsov Dynamical Equation in a Magnetized Dusty Plasma via Acoustic Solitary Wave Solutions. Brazilian Journal of Physics, 2019, 49, 67-78.	0.7	31
327	Nonlinear integro-differential equations with small unknown parameters: A controllability analysis problem. Mathematics and Computers in Simulation, 2019, 155, 15-26.	2.4	10
328	Dispersive solitary wave soliton solutions of (2â€¯+â€¯1)-dimensional Boussineq dynamical equation via extended simple equation method. Journal of King Saud University - Science, 2019, 31, 653-658.	1.6	18
329	Soliton solutions of (3 + 1)-dimensional Korteweg-de Vries Benjaminâ€“Bonaâ€“Mahony, Kadomtsevâ€“Petviashvili Benjaminâ€“Bonaâ€“Mahony and modified Korteweg de Viesâ€“Zakharovâ€“Kuznetsov equations and their applications in water waves. Journal of King Saud University - Science, 2019, 31, 8-13.	1.6	31
330	Application of mathematical methods for the non-linear seventh order Sawada-Kotera-Ito dynamical wave equation. Thermal Science, 2019, 23, 2081-2093.	0.5	9
331	Study on the solitary wave solutions of the ionic currents on microtubules equation by using the modified Khater method. Thermal Science, 2019, 23, 2053-2062.	0.5	25
332	NEW SOLITON SOLUTIONS OF NONLINEAR SPACE-TIME FRACTIONAL (2+1)- DIMENSIONAL ABLOW KAUP-NEWELL_SEGUR (AKNS) EQUATION BY STANDARD AND IMPROVED (G'/G) -EXPANSION METHOD. Journal of Mechanical Engineering Research and Developments (discontinued), 2019, 42, 132-137.	0.7	0
333	Dispersive solitary wave solutions of Kadomtsev-Petviashvili and modified Kadomtsev-Petviashvili dynamical equations in unmagnetized dust plasma. Results in Physics, 2018, 8, 1216-1222.	2.0	134
334	Bifurcations of solitary wave solutions for (two and three)-dimensional nonlinear partial differential equation in quantum and magnetized plasma by using two different methods. Results in Physics, 2018, 9, 142-150.	2.0	16
335	New soliton solution to the longitudinal wave equation in a magneto-electro-elastic circular rod. Results in Physics, 2018, 8, 1158-1167.	2.0	123
336	New mathematical model of vertical transmission and cure of vector-borne diseases and its numerical simulation. Advances in Difference Equations, 2018, 2018, .	3.5	13
337	Dispersive traveling wave solutions to the spaceâ€“time fractional equal-width dynamical equation and its applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	28
338	Optical soliton solutions of nonlinear SchrÃ¶dinger equation with second order spatiotemporal dispersion and its modulation instability. Optik, 2018, 161, 221-229.	1.4	49
339	Dispersive traveling wave solutions of the Equal-Width and Modified Equal-Width equations via mathematical methods and its applications. Results in Physics, 2018, 9, 313-320.	2.0	85
340	Optical soliton perturbation in magneto-optic waveguides. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850005.	1.1	39
341	On new complex soliton structures of the nonlinear partial differential equation describing the pulse narrowing nonlinear transmission lines. Optical and Quantum Electronics, 2018, 50, 1.	1.5	24
342	Brightâ€“dark solitary wave and elliptic function solutions of unstable nonlinear SchrÃ¶dinger equation and their applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	41

#	Article	IF	Citations
343	Optical soliton and rogue wave solutions of the ultra-short femto-second pulses in an optical fiber via two different methods and its applications. Optik, 2018, 158, 434-450.	1.4	44
344	Mathematical methods via the nonlinear two-dimensional water waves of Olver dynamical equation and its exact solitary wave solutions. Results in Physics, 2018, 8, 286-291.	2.0	84
345	Integrability of the coupled cubicâ€“quintic complex Ginzburgâ€“Landau equations and multiple-soliton solutions via mathematical methods. Modern Physics Letters B, 2018, 32, 1850045.	1.0	5
346	Solitary traveling wave solutions of pressure equation of bubbly liquids with examination for viscosity and heat transfer. Results in Physics, 2018, 8, 292-303.	2.0	13
347	New optical soliton solutions for nonlinear complex fractional SchrÃ¶dinger equation via new auxiliary equation method and novel $$({G'}/{G})$$ (G â€² / G) -expansion method. Pramana - Journal of Physics, 2018, 90, 1.	0.9	23
348	Dispersive bright, dark and singular optical soliton solutions in conformable fractional optical fiber SchrÃ¶dinger models and its applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	22
349	Explicit, periodic and dispersive optical soliton solutions to the generalized nonlinear SchrÃ¶dinger dynamical equation with higher order dispersion and cubic-quintic nonlinear terms. Optical and Quantum Electronics, 2018, 50, 1.	1.5	17
350	Dispersive optical soliton solutions of the generalized Radhakrishnanâ€“Kunduâ€“Lakshmanan dynamical equation with power law nonlinearity and its applications. Optik, 2018, 164, 54-64.	1.4	54
351	Optical soliton and brightâ€“dark solitary wave solutions of nonlinear complex Kunduâ€“Eckhaus dynamical equation of the ultra-short femtosecond pulses in an optical fiber. Optical and Quantum Electronics, 2018, 50, 1.	1.5	13
352	Three-Dimensional Weakly Nonlinear Shallow Water Waves Regime and its Traveling Wave Solutions. International Journal of Computational Methods, 2018, 15, 1850017.	0.8	112
353	Optical soliton solutions of higher order nonlinear SchrÃ¶dinger equation in monomode fibers and its applications. Optik, 2018, 154, 785-798.	1.4	31
354	Optical solitons and conservation law of Kunduâ€“Eckhaus equation. Optik, 2018, 154, 551-557.	1.4	139
355	Optical soliton solutions of unstable nonlinear SchrÃ¶dinger dynamical equation and stability analysis with applications. Optik, 2018, 157, 597-605.	1.4	40
356	Optical soliton solutions of the generalized higher-order nonlinear SchrÃ¶dinger equations and their applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	23
357	Dispersive solitary wave solutions of new coupled Konno-Oono, Higgs field and Maccari equations and their applications. Journal of King Saud University - Science, 2018, 30, 417-423.	1.6	27
358	Modified Kudryashov method via new exact solutions for some conformable fractional differential equations arising in mathematical biology. Chinese Journal of Physics, 2018, 56, 75-85.	2.0	222
359	Modulation stability and dispersive optical soliton solutions of higher order nonlinear SchrÃ¶dinger equation and its applications in mono-mode optical fibers. Superlattices and Microstructures, 2018, 113, 419-429.	1.4	35
360	Optical pulse propagation in monomode fibers with higher order nonlinear SchrÃ¶dinger equation. Optik, 2018, 156, 356-364.	1.4	14

#	Article	IF	Citations
361	Dispersive optical soliton solutions for higher order nonlinear Sasa-Satsuma equation in mono mode fibers via new auxiliary equation method. Superlattices and Microstructures, 2018, 113, 346-358.	1.4	65
362	New solitary wave solutions of some nonlinear models and their applications. Advances in Difference Equations, 2018, 2018, .	3.5	61
363	Dispersive analytical soliton solutions of some nonlinear waves dynamical models via modified mathematical methods. Advances in Difference Equations, 2018, 2018, .	3.5	9
364	Construction of new solitary wave solutions of generalized Zakharov-Kuznetsov-Benjamin-Bona-Mahony and simplified modified form of Camassa-Holm equations. Open Physics, 2018, 16, 896-909.	0.8	53
365	Mathematical methods via construction of traveling and solitary wave solutions of three coupled system of nonlinear partial differential equations and their applications. Results in Physics, 2018, 11, 1161-1171.	2.0	109
366	Dispersive solitary wave solutions of nonlinear further modified Kortewegâ€“de Vries dynamical equation in an unmagnetized dusty plasma. Modern Physics Letters A, 2018, 33, 1850217.	0.5	50
367	Structure of solitary wave solutions of the nonlinear complex fractional generalized Zakharov dynamical system. Advances in Difference Equations, 2018, 2018, .	3.5	22
368	Structure of traveling wave solutions for some nonlinear models via modified mathematical method. Open Physics, 2018, 16, 854-860.	0.8	17
369	More general families of exact solitary wave solutions of the nonlinear SchrÃ¶dinger equation with their applications in nonlinear optics. European Physical Journal Plus, 2018, 133, 1.	1.2	88
370	Construction of dispersive optical solutions of the resonant nonlinear SchrÃ¶dinger equation using two different methods. Modern Physics Letters B, 2018, 32, 1850407.	1.0	9
371	The modify unstable nonlinear SchrÃ¶dinger dynamical equation and its optical soliton solutions. Optical and Quantum Electronics, 2018, 50, 1.	1.5	10
372	Construction of solitary wave solutions to the nonlinear modified Kortewege-de Vries dynamical equation in unmagnetized plasma via mathematical methods. Modern Physics Letters A, 2018, 33, 1850183.	0.5	101
373	Applications of modified mathematical method on some nonlinear water wave dynamical models. Modern Physics Letters A, 2018, 33, 1850204.	0.5	2
374	Computational soliton solutions to $$(3+1)$$ (3 + 1) -dimensional generalised Kadomtsevâ€“Petviashvili and $$(2+1)$$ (2 + 1) -dimensional Gardnerâ€“Kadomtsevâ€“Petviashvili models and their applications. Pramana - Journal of Physics, 2018, 91, 1.	0.9	15
375	The collinear equilibrium points in the restricted three body problem with triaxial primaries. Open Physics, 2018, 16, 525-538.	0.8	1
376	Multiple soliton solutions of the nonlinear partial differential equations describing the wave propagation in nonlinear lowâ€“pass electrical transmission lines. Chaos, Solitons and Fractals, 2018, 115, 62-76.	2.5	43
377	Dispersive optical soliton solutions for the hyperbolic and cubic-quintic nonlinear SchrÃ¶dinger equations via the extended sinh-Gordon equation expansion method. European Physical Journal Plus, 2018, 133, 1.	1.2	100
378	Reply of the manuscript of authors (Elsayed and Abdul-Ghani) in title (Comment on the paper of our) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Microstructures, 2018, 123, 460-464.	1.4	6

#	Article	IF	Citations
379	Applications of exact traveling wave solutions of Modified Liouville and the Symmetric Regularized Long Wave equations via two new techniques. Results in Physics, 2018, 9, 1403-1410.	2.0	90
380	Frozen apsidal line orbits around tiaxial Moon with coupling quadrupole nonlinearity. Results in Physics, 2018, 10, 176-186.	2.0	1
381	Stability Analysis of Solitary Wave Solutions for Coupled and (2+1)-Dimensional Cubic Klein-Gordon Equations and Their Applications. Communications in Theoretical Physics, 2018, 69, 676.	1.1	27
382	Stability analysis and applications of traveling wave solutions of three-dimensional nonlinear modified Zakharovâ€“Kuznetsov equation in a magnetized plasma. Modern Physics Letters A, 2018, 33, 1850145.	0.5	11
383	Dispersive optical soliton solutions of the higher-order nonlinear SchrÃ¶dinger dynamical equation via two different methods and its applications. European Physical Journal Plus, 2018, 133, 1.	1.2	27
384	Computational methods and traveling wave solutions for the fourth-order nonlinear Ablowitz-Kaup-Newell-Segur water wave dynamical equation via two methods and its applications. Open Physics, 2018, 16, 219-226.	0.8	97
385	Modified KdVâ€“Zakharovâ€“Kuznetsov dynamical equation in a homogeneous magnetised electronâ€“positronâ€“ion plasma and its dispersive solitary wave solutions. Pramana - Journal of Physics, 2018, 91, 1.	0.9	24
386	The system of equations for the ion sound and Langmuir waves and its new exact solutions. Results in Physics, 2018, 9, 1631-1634.	2.0	103
387	Structure of optical soliton solutions for the generalized higher-order nonlinear SchrÃ¶dinger equation with light-wave promulgation in an optical fiber. Optical and Quantum Electronics, 2018, 50, 1.	1.5	17
388	Lie point symmetries, conservation laws and exact solutions of ($$1+ n$$ 1 + n)-dimensional modified Zakharovâ€“Kuznetsov equation describing the waves in plasma physics. Pramana - Journal of Physics, 2018, 91, 1.	0.9	18
389	Elliptic function solutions and travelling wave solutions of nonlinear Dodd-Bullough-Mikhailov, two-dimensional Sine-Gordon and coupled SchrÃ¶dinger-KdV dynamical models. Results in Physics, 2018, 10, 995-1005.	2.0	14
390	Soliton solutions for (2+1) and (3+1)-dimensional Kadomtsev-Petviashvili-Benjamin-Bona-Mahony model equations and their applications. Filomat, 2018, 32, 531-542.	0.2	5
391	An advanced delay-dependent approach of impulsive genetic regulatory networks besides the distributed delays, parameter uncertainties and time-varying delays. Nonlinear Analysis: Modelling and Control, 2018, 23, 803-829.	1.1	5
392	(N +1)-dimensional fractional reduced differential transform method for fractional order partial differential equations. Communications in Nonlinear Science and Numerical Simulation, 2017, 48, 509-519.	1.7	56
393	Travelling-wave solutions of a weakly nonlinear two-dimensional higher-order Kadomtsev-Petviashvili dynamical equation for dispersive shallow-water waves. European Physical Journal Plus, 2017, 132, 1.	1.2	126
394	Exact brightâ€“dark solitary wave solutions of the higher-order cubicâ€“quintic nonlinear SchrÃ¶dinger equation and its stability. Optik, 2017, 138, 40-49.	1.4	133
395	Stability analysis of solutions for the sixth-order nonlinear Boussinesq water wave equations in two-dimensions and its applications. Chinese Journal of Physics, 2017, 55, 378-385.	2.0	18
396	New solitary wave solutions of (3 + 1)-dimensional nonlinear extended Zakharov-Kuznetsov and modified KdV-Zakharov-Kuznetsov equations and their applications. Results in Physics, 2017, 7, 899-909.	2.0	91

#	Article	IF	Citations
397	Stability analysis of new exact traveling-wave solutions of new coupled KdV and new coupled Zakharov-Kuznetsov systems. European Physical Journal Plus, 2017, 132, 1.	1.2	88
398	Applications of extended simple equation method on unstable nonlinear SchrÃ¶dinger equations. Optik, 2017, 140, 136-144.	1.4	193
399	Solitary wave solutions for the generalized Zakharovâ€“Kuznetsovâ€“Benjaminâ€“Bonaâ€“Mahony nonlinear evolution equation. Journal of Ocean Engineering and Science, 2017, 2, 137-142.	1.7	33
400	Bifurcations of solitary wave solutions for the three dimensional Zakharovâ€“Kuznetsovâ€“Burgers equation and Boussinesq equation with dual dispersion. Optik, 2017, 143, 104-114.	1.4	44
401	Bistable Bright-Dark solitary wave solutions of the (3 + 1)-dimensional Breaking soliton, Boussinesq equation with dual dispersion and modified Kortewegâ€“de Vriesâ€“Kadomtsevâ€“Petviashvili equations and their applications. Results in Physics, 2017, 7, 1143-1149.	2.0	86
402	The generalized nonlinear higher order of KdV equations from the higher order nonlinear SchrÃ¶dinger equation and its solutions. Optik, 2017, 139, 31-43.	1.4	153
403	Travelling wave solutions of Drinfelâ€™dâ€“Sokolovâ€“Wilson, Whithamâ€“Broerâ€“Kaup and (2+1)-dimensional Broerâ€“Kaupâ€“Kupershmit equations and their applications. Chinese Journal of Physics, 2017, 55, 780-797.	2.0	124
404	Bright and dark solitary wave soliton solutions for the generalized higher order nonlinear SchrÃ¶dinger equation and its stability. Results in Physics, 2017, 7, 43-48.	2.0	138
405	Modulation stability and optical soliton solutions of nonlinear SchrÃ¶dinger equation with higher order dispersion and nonlinear terms and its applications. Superlattices and Microstructures, 2017, 112, 422-434.	1.4	101
406	New wave solutions for the fractional-order biological population model, time fractional burgers, Drinfelâ€™dâ€“Sokolovâ€“Wilson and system of shallow water wave equations and their applications. European Journal of Computational Mechanics, 2017, 26, 508-524.	0.6	18
407	Elliptic function and solitary wave solutions of the higher-order nonlinear SchrÃ¶dinger dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity and its stability. European Physical Journal Plus, 2017, 132, 1.	1.2	95
408	Solitary wave solutions of two-dimensional nonlinear Kadomtsevâ€“Petviashvili dynamic equation in dust-acoustic plasmas. Pramana - Journal of Physics, 2017, 89, 1.	0.9	146
409	Modulation instability analysis for the generalized derivative higher order nonlinear SchrÃ¶dinger equation and its the bright and dark soliton solutions. Journal of Electromagnetic Waves and Applications, 2017, 31, 1353-1362.	1.0	172
410	Stability analysis solutions of the nonlinear modified Degasperisâ€“Procesi water wave equation. Journal of Ocean Engineering and Science, 2017, 2, 155-160.	1.7	9
411	Brightâ€“dark solitary wave solutions of generalized higher-order nonlinear SchrÃ¶dinger equation and its applications in optics. Journal of Electromagnetic Waves and Applications, 2017, 31, 1711-1721.	1.0	96
412	Two-dimensional interaction of a shear flow with a free surface in a stratified fluid and its solitary-wave solutions via mathematical methods. European Physical Journal Plus, 2017, 132, 1.	1.2	133
413	Modulation instability analysis of modify unstable nonlinear schrodinger dynamical equation and its optical soliton solutions. Results in Physics, 2017, 7, 4153-4161.	2.0	27
414	Mathematical methods and solitary wave solutions of three-dimensional Zakharov-Kuznetsov-Burgers equation in dusty plasma and its applications. Results in Physics, 2017, 7, 4269-4277.	2.0	83

#	Article	IF	Citations
415	Bifurcations of new multi soliton solutions of the van der Waals normal form for fluidized granular matter via six different methods. Results in Physics, 2017, 7, 2028-2035.	2.0	45
416	Elliptic and solitary wave solutions for Bogoyavlenskii equations system, couple Boiti-Leon-Pempinelli equations system and Time-fractional Cahn-Allen equation. Results in Physics, 2017, 7, 2325-2333.	2.0	69
417	Optical solitons with complex Ginzburgâ€“Landau equation by modified simple equation method. Optik, 2017, 144, 475-480.	1.4	136
418	Soliton solutions of the nonlinear SchrÃ¶dinger equation with the dual power law nonlinearity and resonant nonlinear SchrÃ¶dinger equation and their modulation instability analysis. Optik, 2017, 145, 79-88.	1.4	134
419	Bifurcations of traveling wave solutions for Doddâ€“Bulloughâ€“Mikhailov equation and coupled Higgs equation and their applications. Chinese Journal of Physics, 2017, 55, 1310-1318.	2.0	53
420	Travelling wave solutions of the generalized nonlinear fifth-order KdV water wave equations and its stability. Journal of Taibah University for Science, 2017, 11, 623-633.	1.1	94
421	Ion acoustic solitary wave solutions of twoâ€dimensional nonlinear Kadomtsevâ€“Petviashviliâ€“Burgers equation in quantum plasma. Mathematical Methods in the Applied Sciences, 2017, 40, 1598-1607.	1.2	164
422	Traveling Wave Solutions of Space-Time Fractional Generalized Fifth-Order KdV Equation. Advances in Mathematical Physics, 2017, 2017, 1-6.	0.4	13
423	Fractional Reduced Differential Transform Method for Space-Time Fractional Order Heat-Like and Wave-Like Partial Differential Equations. Journal of Advanced Physics, 2017, 6, 598-607.	0.4	8
424	Solitary Wave Solutions of the Benjamin-BonaMahoney-Burgers Equation with Dual Power-Law Nonlinearity. Applied Mathematics and Information Sciences, 2017, 11, 1347-1351.	0.7	39
425	Soliton solutions of cubic-quintic nonlinear SchrÃ¶dinger and variant boussinesq equations by the first integral method. Filomat, 2017, 31, 4199-4208.	0.2	16
426	The nonlinear dispersive Davey-Stewartson system for surface waves propagation in shallow water and its stability. European Physical Journal Plus, 2016, 131, 1.	1.2	95
427	Stability analysis of the soliton solutions for the generalized quintic derivative nonlinear SchrÃ¶dinger equation. Results in Physics, 2016, 6, 911-916.	2.0	11
428	Travelling wave solutions of generalized coupled Zakharovâ€“Kuznetsov and dispersive long wave equations. Results in Physics, 2016, 6, 1136-1145.	2.0	85
429	Ion acoustic solitary wave solutions of three-dimensional nonlinear extended Zakharovâ€“Kuznetsov dynamical equation in a magnetized two-ion-temperature dusty plasma. Results in Physics, 2016, 6, 590-593.	2.0	117
430	Nonlinear Rayleighâ€“Taylor instability of the cylindrical fluid flow with mass and heat transfer. Pramana - Journal of Physics, 2016, 87, 1.	0.9	93
431	Stability analysis solutions for nonlinear three-dimensional modified Kortewegâ€“de Vriesâ€“Zakharovâ€“Kuznetsov equation in a magnetized electronâ€“positron plasma. Physica A: Statistical Mechanics and Its Applications, 2016, 455, 44-51.	1.2	210
432	Three-dimensional nonlinear modified Zakharovâ€“Kuznetsov equation of ion-acoustic waves in a magnetized plasma. Computers and Mathematics With Applications, 2016, 71, 201-212.	1.4	174

#	Article	IF	Citations
433	Water wave solutions of Zufiriaâ€™s higher-order Boussinesq type equations and its stability. Applied Mathematics and Computation, 2016, 280, 57-71.	1.4	12
434	Stability Analysis of Traveling Wave Solutions for Generalized Coupled Nonlinear KdV Equations. Applied Mathematics and Information Sciences, 2016, 10, 209-214.	0.7	91
435	Classification of Multiply Travelling Wave Solutions for Coupled Burgers, Combined KdV-Modified KdV, and SchrÃ¶dinger-KdV Equations. Abstract and Applied Analysis, 2015, 2015, 1-7.	0.3	12
436	Fractional solitary wave solutions of the nonlinear higher-order extended KdV equation in a stratified shear flow: Part I. Computers and Mathematics With Applications, 2015, 70, 345-352.	1.4	100
437	Nonlinear wave solutions of the three-dimensional Zakharovâ€“Kuznetsovâ€“Burgers equation in dusty plasma. Physica A: Statistical Mechanics and Its Applications, 2015, 439, 124-131.	1.2	167
438	Approximation solutions of derivative nonlinear SchrÃ¶dinger equation with computational applications by variational method. European Physical Journal Plus, 2015, 130, 1.	1.2	156
439	Water Wave Solutions of the Coupled System Zakharov-Kuznetsov and Generalized Coupled KdV Equations. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	31
440	Auto-Backlund transformations and new exact travelling wave solutions of Kadomtsev-Petviashvili equation for nonlinear dust acoustic solitary waves in dust plasmas with variable dust charge and two temperature ions. Advanced Studies in Theoretical Physics, 2014, 8, 789-810.	0.1	0
441	Stability analysis for two-dimensional ion-acoustic waves in quantum plasmas. Physics of Plasmas, 2014, 21, .	0.7	156
442	Traveling Wave Solutions of the Benjamin-Bona-Mahony Water Wave Equations. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.3	16
443	Stability Analysis for Travelling Wave Solutions of the Olver and Fifth-Order KdV Equations. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.4	10
444	Stability analysis for Zakharovâ€“Kuznetsov equation of weakly nonlinear ion-acoustic waves in a plasma. Computers and Mathematics With Applications, 2014, 67, 172-180.	1.4	273
445	Stability analysis of solitary wave solutions for the fourth-order nonlinear Boussinesq water wave equation. Applied Mathematics and Computation, 2014, 232, 1094-1103.	1.4	99
446	Variational principle for Zakharovâ€“Shabat equations in two-dimensions. Applied Mathematics and Computation, 2013, 219, 5635-5648.	1.4	16
447	Traveling wave solutions for some coupled nonlinear evolution equations. Mathematical and Computer Modelling, 2013, 57, 1371-1379.	2.0	129
448	New Exact Jacobi Elliptic Function Solutions for the Coupled SchrÃ¶dinger-Boussinesq Equations. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	17
449	Benjaminâ€“Feir instability in nonlinear dispersive waves. Computers and Mathematics With Applications, 2012, 64, 3557-3568.	1.4	106
450	Exact solutions of a two-dimensional nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2012, 25, 687-691.	1.5	136

#	Article	IF	Citations
451	New exact solutions for the KdV equation with higher order nonlinearity by using the variational method. Computers and Mathematics With Applications, 2011, 62, 3741-3755.	1.4	142
452	Exact soliton solutions of a D-dimensional nonlinear SchrÃ¶dinger equation with damping and diffusive terms. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 839-847.	0.7	92
453	Variational method for the derivative nonlinear SchrÃ¶dinger equation with computational applications. Physica Scripta, 2009, 80, 035004.	1.2	130
454	Kelvin-Helmholtz instability in magnetohydrodynamic flows. Proceedings of the International Astronomical Union, 2006, 2, 49.	0.0	0
455	Kelvin-Helmholtz instability in MHD flows. Proceedings of the International Astronomical Union, 2006, 2, 313.	0.0	1
456	Variational method for the nonlinear dynamics of an elliptic magnetic stagnation line. European Physical Journal D, 2006, 39, 237-245.	0.6	120
457	General soliton solutions for nonlinear dispersive waves in convective type instabilities. Physica Scripta, 2006, 74, 384-393.	1.2	116
458	Nonlinear Dispersive Instabilities in Kelvinâ€“Helmholtz Magnetohydrodynamic Flows. Physica Scripta, 2003, 67, 340-349.	1.2	85
459	Nonlinear Dispersive Rayleighâ€“Taylor Instabilities in Magnetohydrodynamic Flows. Physica Scripta, 2001, 64, 533-547.	1.2	87
460	General Soliton Solutions of ann-Dimensional Complex Ginzburgâ€“Landau Equation. Physica Scripta, 2000, 62, 353-357.	1.2	96
461	General soliton solutions of an n-dimensional nonlinear Schrodinger equation. Journal of Physics A, 1992, 25, L515-L519.	1.6	6
462	Dispersive analytical wave solutions and abundant closedâ€form wave solutions of some nonlinear dynamical models arising in fluid mechanics with Stability analysis. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1
463	Computational approach and flow analysis of chemically reactive tangent hyperbolic nanofluid over a cone and plate. Waves in Random and Complex Media, 0, , 1-15.	1.6	12
464	Weierstrass and Jacobi elliptic solutions with some new dromions to Maccari system. International Journal of Modern Physics B, 0, , 2150257.	1.0	4
465	Stability analysis solutions for the fourth-order nonlinear Ablowitz-Kaup-Newell-Segur water wave equation. Applied Mathematical Sciences, 0, 7, 3355-3365.	0.0	5
466	Some new dispersive dromions and integrability analysis for the Daveyâ€“Stewartson (DS-II) model in fluid dynamics. Modern Physics Letters B, 0, , .	1.0	2
467	Computational approach and dynamical aspects of fractional second grade fluid with heat and mass transport in cylindrical domain. Waves in Random and Complex Media, 0, , 1-20.	1.6	1
468	Novel and accurate solitary wave solutions of the conformable fractional nonlinear SchrÃ¶dinger equation. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110689.	1.3	8

#	Article	IF	Citations
469	Abundant solitary wave structures of the higher dimensional Sakovich dynamical model. Mathematical Methods in the Applied Sciences, 0, , .	1.2	11