

Aly R Seadawy

List of Publications by Year in descending order

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179
papers

6,846
citations

61945

43
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76872

74
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179
all docs

179
docs citations

179
times ranked

1069
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical scheme and analytical solutions to the stochastic nonlinear advection diffusion dynamical model. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2023, 24, 467-487.	0.4	16
2	Optical multi-wave, M-shaped rational solution, homoclinic breather, periodic cross-kink and various rational solutions with interactions for Radhakrishnanâ€™Kunduâ€™Lakshmanan dynamical model. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2023, 32, .	1.1	7
3	The weakly nonlinear wave propagation of the generalized third-order nonlinear Schrödinger equation and its applications. <i>Waves in Random and Complex Media</i> , 2022, 32, 819-831.	1.6	34
4	Construction of analytical wave solutions to the conformable fractional dynamical system of ion sound and Langmuir waves. <i>Waves in Random and Complex Media</i> , 2022, 32, 2587-2605.	1.6	16
5	Optical soliton perturbation with parabolicâ€™nonlocal combo nonlinearity: undetermined coefficients and semi-inverse variational principle. <i>Journal of Optics (India)</i> , 2022, 51, 22-28.	0.8	11
6	Numerical study of multi-dimensional hyperbolic telegraph equations arising in nuclear material science via an efficient local meshless method. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2022, 23, 115-122.	0.4	12
7	Perturbed optical solitons with conformable time-space fractional Gerdjikovâ€™Ivanov equation. <i>Mathematical Sciences</i> , 2022, 16, 431-443.	1.0	13
8	Solitary wave solutions along with Painleve analysis for the Ablowitzâ€™Kaupâ€™Newellâ€™Segur water waves equation. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	12
9	On solitons: Propagation of shallow water waves for the fifth-order KdV hierarchy integrable equation. <i>Open Physics</i> , 2022, 19, 828-842.	0.8	4
10	Diverse Multiple Lump Analytical Solutions for Ion Sound and Langmuir Waves. <i>Mathematics</i> , 2022, 10, 200.	1.1	16
11	Three types of periodic solutions of new $(3\epsilon + 1)$ -dimensional Boitiâ€™Leonâ€™Mannaâ€™Pempinelli equation via bilinear neural network method. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 5612-5621.	1.2	22
12	Multiple lump and interaction solutions for fifth-order variable coefficient nonlinear-Schrödinger dynamical equation. <i>Optical and Quantum Electronics</i> , 2022, 54, 154.	1.5	13
13	Applications of rogue wave, breathers, multiwave and interaction solutions to long water-wave equation. <i>International Journal of Modern Physics B</i> , 2022, 36, .	1.0	3
14	Various forms of M-shaped rational, periodic cross kink waves and breathers for Boseâ€™Einstein condensate model. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	2
15	Investigation of chirp-free dromions to higher-order nonlinear Schrödinger equation with non-Kerr terms. <i>International Journal of Modern Physics B</i> , 2022, 36, .	1.0	12
16	Multi lump and interaction solutions for Atangana conformable Boussinesq-like equation. <i>Results in Physics</i> , 2022, 34, 105187.	2.0	6
17	Soliton solutions of Calogeroâ€™Degasperisâ€™Fokas dynamical equation <i>via</i> modified mathematical methods. <i>Open Physics</i> , 2022, 20, 174-187.	0.8	1
18	Investigation of double dispersive waves in nonlinear elastic inhomogeneous Murnaghanâ€™s rod. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	10

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19	Propagation of traveling wave solutions to the Vakhnenko-Parkes dynamical equation via modified mathematical methods. <i>Applied Mathematics</i> , 2022, 37, 21-34.	0.6	5
20	Applications of the Resonant nonlinear Schrödinger equation with self steeping phenomena for chirped periodic waves. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	6
21	Multiple lump and rogue wave for time fractional resonant nonlinear Schrödinger equation under parabolic law with weak nonlocal nonlinearity. <i>Optical and Quantum Electronics</i> , 2022, 54, 212.	1.5	14
22	Highly dispersive optical soliton molecules to dual-mode nonlinear Schrödinger wave equation in cubic law media. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	13
23	Exact and numerical solutions to the system of the chlorite iodide malonic acid chemical reactions. <i>Computational and Applied Mathematics</i> , 2022, 41, 1.	1.0	9
24	New dispersive optical soliton for an nonlinear Schrödinger equation with Kudryashov law of refractive index along with P-test. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	15
25	Structure of analytical ion-acoustic solitary wave solutions for the dynamical system of nonlinear wave propagation. <i>Open Physics</i> , 2022, 20, 313-333.	0.8	11
26	Solitary Wave Solutions for the Higher Dimensional Jimo-Miwa Dynamical Equation via New Mathematical Techniques. <i>Mathematics</i> , 2022, 10, 1011.	1.1	13
27	Study of breathers, rogue waves and lump solutions for the nonlinear chains of atoms. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	23
28	Diverse Forms of Breathers and Rogue Wave Solutions for the Complex Cubic Quintic Ginzburg Landau Equation with Intrapulse Raman Scattering. <i>Mathematics</i> , 2022, 10, 1818.	1.1	6
29	Some new optical dromions to (2+1)-dimensional nonlinear Schrödinger equation with Kerr law of nonlinearity. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	13
30	Multiple lump, generalized breathers, Akhmediev breather, manifold periodic and rogue wave solutions for generalized Fitzhugh-Nagumo equation: Applications in nuclear reactor theory. <i>Chaos, Solitons and Fractals</i> , 2022, 161, 112326.	2.5	28
31	On theoretical analysis of nonlinear fractional order partial Benney equations under nonsingular kernel. <i>Open Physics</i> , 2022, 20, 587-595.	0.8	5
32	The pulses propagation beyond ultra-short range in the systems of optical communication via higher-order nonlinear Schrödinger equation with derivative non-Kerr nonlinear terms. <i>Indian Journal of Physics</i> , 2021, 95, 2047-2056.	0.9	2
33	Dispersive of propagation wave solutions to unidirectional shallow water wave Dullin-Gottwald-Holm system and modulation instability analysis. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 4094-4104.	1.2	104
34	On the optical solitons and local conservation laws of Chen-Lee-Liu dynamical wave equation. <i>Optik</i> , 2021, 227, 165392.	1.4	18
35	Elliptic function solutions, modulation instability and optical solitons analysis of the paraxial wave dynamical model with Kerr media. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	31
36	Propagation of the nonlinear damped Korteweg-de Vries equation in an unmagnetized collisional dusty plasma via analytical mathematical methods. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 737-748.	1.2	36

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37	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
38	lon-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
39	Nonlinear complex physical models: optical soliton solutions of the complex Hirota dynamical model. Indian Journal of Physics, 2021, 95, 489-498.	0.9	8
40	Investigation of interactional phenomena and multi wave solutions of the quantum hydrodynamic Zakharovâ€Kuznetsov model. Open Physics, 2021, 19, 91-99.	0.8	8
41	Lump, lump-one stripe, multiwave and breather solutions for the Hunterâ€Saxton equation. Open Physics, 2021, 19, 1-10.	0.8	108
42	PainlevÃ© analysis for various nonlinear SchrÃ¶dinger dynamical equations. International Journal of Modern Physics B, 2021, 35, 2150038.	1.0	14
43	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
44	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
45	Diverse exact solutions for modified nonlinear SchrÃ¶dinger equation with conformable fractional derivative. Results in Physics, 2021, 20, 103766.	2.0	124
46	Lump-soliton, lump-multisoliton and lump-periodic solutions of a generalized hyperelastic rod equation. Modern Physics Letters B, 2021, 35, 2150188.	1.0	15
47	Optical soliton and elliptic functions solutions of Sasa-satsuma dynamical equation and its applications. Applied Mathematics, 2021, 36, 229-242.	0.6	19
48	A study on single-iteration sobolev descent for linear initial value problems. Optical and Quantum Electronics, 2021, 53, 1.	1.5	7
49	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
50	New optical soliton solutions for Fokasâ€Lenells dynamical equation via two various methods. Modern Physics Letters B, 2021, 35, 2150196.	1.0	10
51	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
52	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
53	Conservation laws, optical molecules, modulation instability and PainlevÃ© analysis for theâ€Chenâ€Leeâ€Liu model. Optical and Quantum Electronics, 2021, 53, 1.	1.5	53
54	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

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55	Soliton solutions, Painleve analysis and conservation laws for a nonlinear evolution equation. Results in Physics, 2021, 23, 103999.	2.0	41
56	On some novel optical wave solutions to the paraxial M-fractional nonlinear Schrödinger dynamical equation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	38
57	Various optical soliton for a weak fractional nonlinear Schrödinger equation with parabolic law. Results in Physics, 2021, 23, 103998.	2.0	29
58	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
59	Bilinear Bäcklund transformation, N -soliton, and infinite conservation laws for Lax-Kadomtsev-Petviashvili and generalized Korteweg-de Vries equations. Mathematical Methods in the Applied Sciences, 2021, 44, 11591-11612.	1.2	10
60	Optical solitons to birefringent fibers for coupled Radhakrishnan-Kundu-Lakshmanan model without four-wave mixing. Optical and Quantum Electronics, 2021, 53, 1.	1.5	25
61	On study of modulation instability and optical soliton solutions: the chiral nonlinear Schrödinger dynamical equation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	17
62	Highly dispersive optical solitons and other solutions for the Radhakrishnan-Kundu-Lakshmanan equation in birefringent fibers by an efficient computational technique. Optical and Quantum Electronics, 2021, 53, 1.	1.5	21
63	Optical dromions for perturbed fractional nonlinear Schrödinger equation with conformable derivatives. Optical and Quantum Electronics, 2021, 53, 1.	1.5	12
64	Analytical wave solutions of the $(2+1)$ -dimensional Boiti-Leon-Pempinelli and Boiti-Leon-Manna-Pempinelli equations by mathematical methods. Mathematical Methods in the Applied Sciences, 2021, 44, 14292-14315.	1.2	15
65	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
66	Highly dispersive Optical solitons to the generalized third-order nonlinear Schrödinger dynamical equation with applications. Optik, 2021, 241, 167109.	1.4	36
67	Highly dispersive optical soliton perturbation of Kudryashov's arbitrary form having sextic-power law refractive index. International Journal of Modern Physics B, 2021, 35, .	1.0	8
68	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
69	Wave propagation for the nonlinear modified Korteweg-de Vries Zakharov-Kuznetsov and extended Zakharov-Kuznetsov dynamical equations arising in nonlinear wave media. Optical and Quantum Electronics, 2021, 53, 1.	1.5	19
70	Chirped and chirp-free optical solitons for Heisenberg ferromagnetic spin chains model. Modern Physics Letters B, 2021, 35, 2150139.	1.0	24
71	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
72	Painlevé analysis of a nonlinear Schrödinger equation discussing dynamics of solitons in optical fiber. International Journal of Modern Physics B, 2021, 35, 2150005.	1.0	13

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73	Modulation instability analysis and optical solitons of the generalized model for description of propagation pulses in optical fiber with four non-linear terms. <i>Modern Physics Letters B</i> , 2021, 35, 2150112.	1.0	33
74	Solitary wave solutions of the ionic currents along microtubule dynamical equations via analytical mathematical method. <i>Open Physics</i> , 2021, 19, 494-503.	0.8	4
75	Breather, multi-wave, periodic-cross kink, M-shaped and interactions solutions for perturbed NLSE with quadratic cubic nonlinearity. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	12
76	The higher-order nonlinear Schrödinger's dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity via dispersive analytical soliton wave solutions. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	21
77	Chirped Periodic and Solitary Waves for Improved Perturbed Nonlinear Schrödinger Equation with Cubic Quadratic Nonlinearity. <i>Fractal and Fractional</i> , 2021, 5, 234.	1.6	10
78	Dispersive soliton solutions for the Salerno equation for the nonlinear discrete electrical lattice in the forbidden bandgaps. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	8
79	Monochromatic optical beam propagation of paraxial dynamical model in Kerr media. <i>Results in Physics</i> , 2021, 31, 105015.	2.0	24
80	Stability analysis and abundant closed-form wave solutions of the Date's Jimbo's Kashiwara's Miwa and combined sinh-cosh-Gordon equations arising in fluid mechanics. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2021, .	0.4	0
81	Construction of abundant novel analytical solutions of the space-time fractional nonlinear generalized equal width model via Riemann-Liouville derivative with application of mathematical methods. <i>Open Physics</i> , 2021, 19, 657-668.	0.8	7
82	Diverse wave propagation in shallow water waves with the Kadomtsev-Petviashvili Benjamin-Bona-Mahony and Benney-Luke integrable models. <i>Open Physics</i> , 2021, 19, 808-818.	0.8	7
83	Novel Analytical Approach for the Space-Time Fractional (2+1)-Dimensional Breaking Soliton Equation via Mathematical Methods. <i>Mathematics</i> , 2021, 9, 3253.	1.1	7
84	Construction of soliton solutions of the modify unstable nonlinear Schrödinger dynamical equation in fiber optics. <i>Indian Journal of Physics</i> , 2020, 94, 823-832.	0.9	44
85	Propagation of long-wave with dissipation and dispersion in nonlinear media via generalized Kadomtsev-Petviashvili modified equal width-Burgers equation. <i>Indian Journal of Physics</i> , 2020, 94, 675-687.	0.9	44
86	Some new families of spiky solitary waves of one-dimensional higher-order K-dV equation with power law nonlinearity in plasma physics. <i>Indian Journal of Physics</i> , 2020, 94, 117-126.	0.9	101
87	Construction of a weakly nonlinear dispersion solitary wave solution for the Zakharov-Kuznetsov-modified equal width dynamical equation. <i>Indian Journal of Physics</i> , 2020, 94, 1465-1474.	0.9	18
88	Dispersive and propagation of shallow water waves as a higher order nonlinear Boussinesq-like dynamical wave equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 537, 122662.	1.2	42
89	Application of the extension exponential rational function method for higher-dimensional Broer-Kaup-Kupershmidt dynamical system. <i>Modern Physics Letters A</i> , 2020, 35, 1950345.	0.5	23
90	Construction of solitary wave solutions of some nonlinear dynamical system arising in nonlinear water wave models. <i>Indian Journal of Physics</i> , 2020, 94, 1785-1794.	0.9	23

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91	Instability of modulation wave train and disturbance of time period in slightly stable media for unstable nonlinear Schrödinger dynamical equation. Modern Physics Letters B, 2020, 34, 2150010.	1.0	15
92	Study of global dynamics of COVID-19 via a new mathematical model. Results in Physics, 2020, 19, 103468.	2.0	27
93	The Klein-Fock-Gordon and Tzitzeica dynamical equations with advanced analytical wave solutions. Results in Physics, 2020, 19, 103565.	2.0	13
94	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
95	Construction of the numerical and analytical wave solutions of the Joseph-Egri dynamical equation for the long waves in nonlinear dispersive systems. International Journal of Modern Physics B, 2020, 34, 2050289.	1.0	29
96	Optical solitons and closed form solutions to the (3+1)-dimensional resonant Schrödinger dynamical wave equation. International Journal of Modern Physics B, 2020, 34, 2050291.	1.0	104
97	Propagation of dispersive wave solutions for (3 + 1)-dimensional nonlinear modified Zakharov-Kuznetsov equation in plasma physics. International Journal of Modern Physics B, 2020, 34, 2050227.	1.0	34
98	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
99	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
100	Multiwave, Kinky breathers and multi-peak soliton solutions for the nonlinear Hirota dynamical system. Results in Physics, 2020, 19, 103678.	2.0	24
101	Complex model ultra-short pulses in optical fibers via generalized third-order nonlinear Schrödinger dynamical equation. International Journal of Modern Physics B, 2020, 34, 2050143.	1.0	12
102	Solitary wave solutions of Kaup-Newell optical fiber model in mathematical physics and its modulation instability. Modern Physics Letters B, 2020, 34, 2050277.	1.0	9
103	Interaction properties of soliton molecules and Painleve analysis for nano bioelectronics transmission model. Optical and Quantum Electronics, 2020, 52, 1.	1.5	108
104	On the multi-waves, interaction and Peregrine-like rational solutions of perturbed Radhakrishnan-Kundu-Lakshmanan equation. Physica Scripta, 2020, 95, 085205.	1.2	90
105	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
106	Analytic approximate solutions for some nonlinear Parabolic dynamical wave equations. Journal of Taibah University for Science, 2020, 14, 346-358.	1.1	172
107	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
108	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

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109	Lump and Interaction solutions of a geophysical Kortewegâ€“de Vries equation. Results in Physics, 2020, 19, 103661.	2.0	114
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	Nonlinear wave solutions of the Kudryashovâ€™Sinelschikov 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
121	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
122	Computational wave solutions of generalized higher-order nonlinear Boussinesq dynamical wave equation. Modern Physics Letters A, 2019, 34, 1950338.	0.5	8
123	M-shaped rational solitons and their interaction with kink waves in the Fokasâ€™Lenells equation. Physica Scripta, 2019, 94, 055205.	1.2	130
124	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
125	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
126	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

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127	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
128	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
129	Structure of system solutions of ion sound and Langmuir dynamical models and their applications. Pramana - Journal of Physics, 2019, 92, 1.	0.9	10
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	Optical soliton perturbation in magneto-optic waveguides. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850005.	1.1	39
139	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
140	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
141	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
142	New optical soliton solutions for nonlinear complex fractional SchrÃ¶dinger equation via new auxiliary equation method and novel $\frac{G'}{G}$ ($G \hat{=} G^2 / G$) -expansion method. Pramana - Journal of Physics, 2018, 90, 1.	0.9	23
143	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
144	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

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145	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
146	Three-Dimensional Weakly Nonlinear Shallow Water Waves Regime and its Traveling Wave Solutions. International Journal of Computational Methods, 2018, 15, 1850017.	0.8	112
147	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
148	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
149	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
150	The modify unstable nonlinear SchrÃ¶dinger dynamical equation and its optical soliton solutions. Optical and Quantum Electronics, 2018, 50, 1.	1.5	10
151	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
152	Applications of modified mathematical method on some nonlinear water wave dynamical models. Modern Physics Letters A, 2018, 33, 1850204.	0.5	2
153	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
154	The collinear equilibrium points in the restricted three body problem with triaxial primaries. Open Physics, 2018, 16, 525-538.	0.8	1
155	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
156	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
157	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
158	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
159	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
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Travelling-wave solutions of a weakly nonlinear two-dimensional higher-order Kadomtsev-Petviashvili dynamical equation for dispersive shallow-water waves. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	126
164	Stability analysis of new exact traveling-wave solutions of new coupled KdV and new coupled Zakharov-Kuznetsov systems. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	88
165	New wave solutions for the fractional-order biological population model, time fractional burgers, Drinfeld-Sokolov-Wilson and system of shallow water wave equations and their applications. <i>European Journal of Computational Mechanics</i> , 2017, 26, 508-524.	0.6	18
166	Elliptic function and solitary wave solutions of the higher-order nonlinear Schrödinger dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity and its stability. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	95
167	Solitary wave solutions of two-dimensional nonlinear Kadomtsev-Petviashvili dynamic equation in dust-acoustic plasmas. <i>Pramana - Journal of Physics</i> , 2017, 89, 1.	0.9	146
168	Modulation instability analysis for the generalized derivative higher order nonlinear Schrödinger equation and its the bright and dark soliton solutions. <i>Journal of Electromagnetic Waves and Applications</i> , 2017, 31, 1353-1362.	1.0	172
169	Bright-dark solitary wave solutions of generalized higher-order nonlinear Schrödinger equation and its applications in optics. <i>Journal of Electromagnetic Waves and Applications</i> , 2017, 31, 1711-1721.	1.0	96
170	Two-dimensional interaction of a shear flow with a free surface in a stratified fluid and its solitary-wave solutions via mathematical methods. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	133
171	Travelling wave solutions of the generalized nonlinear fifth-order KdV water wave equations and its stability. <i>Journal of Taibah University for Science</i> , 2017, 11, 623-633.	1.1	94
172	Ion acoustic solitary wave solutions of two-dimensional nonlinear Kadomtsev-Petviashvili-Burgers equation in quantum plasma. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 1598-1607.	1.2	164
173	The nonlinear dispersive Davey-Stewartson system for surface waves propagation in shallow water and its stability. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	95
174	Nonlinear Rayleigh-Taylor instability of the cylindrical fluid flow with mass and heat transfer. <i>Pramana - Journal of Physics</i> , 2016, 87, 1.	0.9	93
175	Approximation solutions of derivative nonlinear Schrödinger equation with computational applications by variational method. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	156
176	Dispersive analytical wave solutions and abundant closed-form wave solutions of some nonlinear dynamical models arising in fluid mechanics with Stability analysis. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	1
177	Some new dispersive dromions and integrability analysis for the Davey-Stewartson (DS-II) model in fluid dynamics. <i>Modern Physics Letters B</i> , 0, , .	1.0	2
178	Computational approach and dynamical aspects of fractional second grade fluid with heat and mass transport in cylindrical domain. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	1
179	Abundant solitary wave structures of the higher dimensional Sakovich dynamical model. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	11