

Mustafa Inc

List of Publications by Year in descending order

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555
papers

12,095
citations

41344

49
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71
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556
docs citations

556
times ranked

2785
citing authors

#	ARTICLE	IF	CITATIONS
1	The approximate and exact solutions of the space- and time-fractional Burgers equations with initial conditions by variational iteration method. Journal of Mathematical Analysis and Applications, 2008, 345, 476-484.	1.0	232
2	NUMERICAL SOLUTION OF TRAVELING WAVES IN CHEMICAL KINETICS: TIME-FRACTIONAL FISHERS EQUATIONS. Fractals, 2022, 30, .	3.7	196
3	Abundant optical solitons to the Sasa-Satsuma higher-order nonlinear Schrödinger equation. Optical and Quantum Electronics, 2021, 53, 1.	3.3	184
4	A new generalized exponential rational function method to find exact special solutions for the resonance nonlinear Schrödinger equation. European Physical Journal Plus, 2018, 133, 1.	2.6	177
5	Fractional modeling of blood ethanol concentration system with real data application. Chaos, 2019, 29, 013143.	2.5	162
6	New Solitary Wave Solutions for Variants of (3+1)-Dimensional Wazwaz-Benjamin-Bona-Mahony Equations. Frontiers in Physics, 2020, 8, .	2.1	131
7	Soliton solutions and conservation laws for lossy nonlinear transmission line equation. Superlattices and Microstructures, 2017, 107, 320-336.	3.1	117
8	Soliton solutions to the Boussinesq equation through sine-Gordon method and Kudryashov method. Results in Physics, 2021, 25, 104228.	4.1	117
9	A new fractional HRSV model and its optimal control: A non-singular operator approach. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 123860.	2.6	109
10	Two-strain epidemic model involving fractional derivative with Mittag-Leffler kernel. Chaos, 2018, 28, 123121.	2.5	99
11	The new exact solitary wave solutions and stability analysis for the $(2+1)$ -dimensional Zakharov-Kuznetsov equation. Advances in Difference Equations, 2019, 2019, .	3.5	95
12	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.	4.4	92
13	Time-fractional Cahn-Allen and time-fractional Klein-Gordon equations: Lie symmetry analysis, explicit solutions and convergence analysis. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 94-106.	2.6	91
14	Bright, dark and singular optical solitons in a power law media with fourth order dispersion. Optical and Quantum Electronics, 2017, 49, 1.	3.3	91
15	Optical and other solitons for the fourth-order dispersive nonlinear Schrödinger equation with dual-power law nonlinearity. Superlattices and Microstructures, 2017, 105, 183-197.	3.1	90
16	The Tikhonov regularization method for the inverse source problem of time fractional heat equation in the view of ABC-fractional technique. Physica Scripta, 2021, 96, 094006.	2.5	90
17	Lie symmetry analysis, exact solutions and conservation laws for the time fractional Caudrey-Dodd-Gibbon-Sawada-Kotera equation. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 222-234.	3.3	88
18	Fundamental solutions of anomalous diffusion equations with the decay exponential kernel. Mathematical Methods in the Applied Sciences, 2019, 42, 4054-4060.	2.3	87

#	ARTICLE	IF	CITATIONS
19	Variational iteration algorithm-I with an auxiliary parameter for wave-like vibration equations. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1113-1124.	2.9	86
20	Solution of Multi-Term Time-Fractional PDE Models Arising in Mathematical Biology and Physics by Local Meshless Method. Symmetry, 2020, 12, 1195.	2.2	84
21	A new analyzing technique for nonlinear time fractional Cauchy reaction-diffusion model equations. Results in Physics, 2020, 19, 103462.	4.1	83
22	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.	2.5	76
23	Different wave structures and stability analysis for the generalized (2+1)-dimensional Camassaâ€“Holmâ€“Kadomtsevâ€“Petviashvili equation. Physica Scripta, 2020, 95, 035229.	2.5	74
24	Optical soliton solutions of the generalized non-autonomous nonlinear SchrÃ¶dinger equations by the new Kudryashovâ€™s method. Results in Physics, 2021, 24, 104179.	4.1	73
25	On optical solitons of the SchrÃ¶dinger-Hirota equation with power law nonlinearity in optical fibers. Superlattices and Microstructures, 2017, 105, 48-55.	3.1	71
26	Optical solitons of the coupled nonlinear SchrÃ¶dingerâ€™s equation with spatiotemporal dispersion. Nonlinear Dynamics, 2016, 85, 1319-1329.	5.2	70
27	New optical solitons of perturbed nonlinear SchrÃ¶dingerâ€“Hirota equation with spatio-temporal dispersion. Results in Physics, 2021, 29, 104656.	4.1	69
28	Optical Solitons Possessing Beta Derivative of the Chen-Lee-Liu Equation in Optical Fibers. Frontiers in Physics, 2019, 7, .	2.1	68
29	Lie symmetry analysis, explicit solutions and conservation laws for the spaceâ€“time fractional nonlinear evolution equations. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 371-383.	2.6	66
30	Propagation of new dynamics of longitudinal bud equation among a magneto-electro-elastic round rod. Modern Physics Letters B, 2021, 35, .	1.9	64
31	Solutions of the time fractional reactionâ€“diffusion equations with residual power series method. Advances in Mechanical Engineering, 2016, 8, 168781401667086.	1.6	63
32	Optical solitons for the SchrÃ¶dingerâ€“Hirota equation with power law nonlinearity by the BÃ¤cklund transformation. Optik, 2017, 138, 64-67.	2.9	63
33	Mathematical modeling of pine wilt disease with Caputo fractional operator. Chaos, Solitons and Fractals, 2021, 143, 110569.	5.1	62
34	Construction of exact traveling wave solutions of the Bogoyavlenskii equation by $G = \frac{1}{1 + \frac{1}{2} \left(\frac{1 + \sqrt{1 - 4G^2}}{1 - \sqrt{1 - 4G^2}} \right)^2}$ Results in Physics, 2020, 19, 103409.	4.1	61
35	Analysing time-fractional exotic options via efficient local meshless method. Results in Physics, 2020, 19, 103385.	4.1	61
36	Optical solitons in parabolic law medium: Jacobi elliptic function solution. Nonlinear Dynamics, 2016, 85, 2577-2582.	5.2	60

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37	Dynamics of solitons to the ill-posed Boussinesq equation. European Physical Journal Plus, 2017, 132, 1.	2.6	60
38	Optical solitons and modulation instability analysis of an integrable model of (2+1)-Dimensional Heisenberg ferromagnetic spin chain equation. Superlattices and Microstructures, 2017, 112, 628-638.	3.1	60
39	Novel approach to the analysis of fifth-order weakly nonlocal fractional Schrödinger equation with Caputo derivative. Results in Physics, 2021, 31, 104958.	4.1	60
40	Numerical solutions of fractional differential equations of Lane-Emden type by an accurate technique. Advances in Difference Equations, 2015, 2015, .	3.5	57
41	Soliton solutions of NLSE with quadratic-cubic nonlinearity and stability analysis. Waves in Random and Complex Media, 2017, 27, 594-601.	2.7	57
42	New Perspective on the Conventional Solutions of the Nonlinear Time-Fractional Partial Differential Equations. Complexity, 2020, 2020, 1-10.	1.6	57
43	New solitary wave solutions for the conformable Klein-Gordon equation with quantic nonlinearity. AIMS Mathematics, 2020, 5, 6972-6984.	1.6	57
44	Dynamical behaviour of Chiral nonlinear Schrödinger equation. Optical and Quantum Electronics, 2022, 54, 1.	3.3	55
45	On three-dimensional variable order time fractional chaotic system with nonsingular kernel. Chaos, Solitons and Fractals, 2020, 133, 109628.	5.1	54
46	New computational results for a prototype of an excitable system. Results in Physics, 2021, 28, 104666.	4.1	53
47	Lie symmetry analysis, exact solutions and conservation laws for the time fractional modified Zakharov-Kuznetsov equation. Nonlinear Analysis: Modelling and Control, 2017, 22, 861-876.	1.6	53
48	Solitons and conservation laws to the resonance nonlinear Schrödinger's equation with both spatio-temporal and inter-modal dispersions. Optik, 2017, 142, 509-522.	2.9	52
49	Optical solitary waves, conservation laws and modulation instability analysis to the nonlinear Schrödinger's equation in compressional dispersive Al ^v n waves. Optik, 2018, 155, 257-266.	2.9	52
50	On exact solution of Laplace equation with Dirichlet and Neumann boundary conditions by the homotopy analysis method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 365, 412-415.	2.1	51
51	New solitary wave solutions and conservation laws to the Kudryashov-Sinelshchikov equation. Optik, 2017, 142, 665-673.	2.9	51
52	Abundant optical soliton solutions for an integrable Schrödinger system. Results in Physics, 2021, 25, 104177.	4.1	51
53	Application of local meshless method for the solution of two term time fractional-order multi-dimensional PDE arising in heat and mass transfer. Thermal Science, 2020, 24, 95-105.	1.1	51
54	A fractional model of vertical transmission and cure of vector-borne diseases pertaining to the Atangana-Baleanu fractional derivatives. Chaos, Solitons and Fractals, 2018, 116, 268-277.	5.1	50

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55	Transmission dynamics of varicella zoster virus modeled by classical and novel fractional operators using real statistical data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122149.	2.6	50
56	New kinds of analytical solitary wave solutions for ionic currents on microtubules equation via two different techniques. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	50
57	Time Fractional Third-Order Evolution Equation: Symmetry Analysis, Explicit Solutions, and Conservation Laws. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	49
58	Optical solitons, nonlinear self-adjointness and conservation laws for Kunduâ€Eckhaus equation. <i>Chinese Journal of Physics</i> , 2017, 55, 2341-2355.	3.9	48
59	Numerical simulation of simulate an anomalous solute transport model via local meshless method. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2827-2838.	6.4	48
60	New Soliton Solutions of Fractional Jaulent-Miodek System with Symmetry Analysis. <i>Symmetry</i> , 2020, 12, 1001.	2.2	48
61	New solutions for the generalized resonant nonlinear SchrÃ¶dinger equation. <i>Results in Physics</i> , 2022, 33, 105153.	4.1	48
62	Computational techniques to study the dynamics of generalized unstable nonlinear SchrÃ¶dinger equation. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	4.3	48
63	Optical soliton solutions of the pulse propagation generalized equation in parabolic-law media with space-modulated coefficients. <i>Optik</i> , 2016, 127, 1056-1058.	2.9	47
64	On optical solitons of the resonant SchrÃ¶dingerâ€™s equation in optical fibers with dual-power law nonlinearity and time-dependent coefficients. <i>Waves in Random and Complex Media</i> , 2015, 25, 334-341.	2.7	46
65	Dark optical, singular solitons and conservation laws to the nonlinear SchrÃ¶dingerâ€™s equation with spatio-temporal dispersion. <i>Modern Physics Letters B</i> , 2017, 31, 1750163.	1.9	45
66	Optical Solitons With M-Truncated and Beta Derivatives in Nonlinear Optics. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	45
67	Breather wave, lump-periodic solutions and some other interaction phenomena to the Caudreyâ€Doddâ€Gibbon equation. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	44
68	Complex traveling-wave and solitons solutions to the Klein-Gordon-Zakharov equations. <i>Results in Physics</i> , 2020, 17, 103127.	4.1	44
69	Numerical simulation of KdV and mKdV equations with initial conditions by the variational iteration method. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 1075-1081.	5.1	43
70	Soliton solutions for the Kunduâ€Eckhaus equation with the aid of unified algebraic and auxiliary equation expansion methods. <i>Journal of Electromagnetic Waves and Applications</i> , 2016, 30, 871-879.	1.6	43
71	Investigation of the logarithmic-KdV equation involving Mittag-Leffler type kernel with Atanganaâ€Baleanu derivative. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 520-531.	2.6	43
72	Lie symmetry analysis and explicit solutions for the time fractional generalized Burgersâ€Huxley equation. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	43

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73	Optical solitons for Biswas-Milovic Model in nonlinear optics by Sine-Gordon equation method. Optik, 2018, 157, 267-274.	2.9	43
74	On travelling wave solutions of some nonlinear evolution equations. International Journal of Computer Mathematics, 2004, 81, 191-202.	1.8	42
75	Optical solitons to the resonance nonlinear Schrödinger equation by Sine-Gordon equation method. Superlattices and Microstructures, 2018, 113, 541-549.	3.1	42
76	New perturbed conformable Boussinesq-like equation: Soliton and other solutions. Results in Physics, 2022, 33, 105200.	4.1	42
77	Optical solitons for complex Ginzburg-Landau model in nonlinear optics. Optik, 2018, 158, 368-375.	2.9	41
78	The coupled nonlinear Schrödinger-type equations. Modern Physics Letters B, 2020, 34, 2050078.	1.9	41
79	New optical solitons for Biswas-Arshed equation with higher order dispersions and full nonlinearity. Optik, 2020, 206, 163332.	2.9	41
80	Chirped solitons in discrete electrical transmission line. Results in Physics, 2020, 18, 103188.	4.1	41
81	On numerical doubly periodic wave solutions of the coupled Drinfeld-Sokolov-Wilson equation by the decomposition method. Applied Mathematics and Computation, 2006, 172, 421-430.	2.2	40
82	The First Integral Method for the time fractional Kaup-Boussinesq System with time dependent coefficient. Applied Mathematics and Computation, 2015, 254, 70-74.	2.2	40
83	Soliton solutions and stability analysis for some conformable nonlinear partial differential equations in mathematical physics. Optical and Quantum Electronics, 2018, 50, 1.	3.3	40
84	Optical solitons to the nonlinear Schrödinger's equation with spatio-temporal dispersion using complex amplitude ansatz. Journal of Modern Optics, 2017, 64, 2273-2280.	1.3	40
85	Optical soliton solutions for the higher-order dispersive cubic-quintic nonlinear Schrödinger equation. Superlattices and Microstructures, 2017, 112, 164-179.	3.1	39
86	Exact Solutions and Conservation Laws of the Bogoyavlenskii Equation. Acta Physica Polonica A, 2018, 133, 1133-1137.	0.5	39
87	Chirped solitons in negative index materials generated by Kerr nonlinearity. Results in Physics, 2020, 17, 103097.	4.1	38
88	Dynamics of optical solitons in higher-order Sasa-Satsuma equation. Results in Physics, 2021, 30, 104825.	4.1	38
89	The Decomposition Method For Solving Of A Class Of Singular Two-Point Boundary Value Problems. International Journal of Computer Mathematics, 2003, 80, 869-882.	1.8	37
90	New compacton and solitary pattern solutions of the nonlinear modified dispersive Klein-Gordon equations. Chaos, Solitons and Fractals, 2007, 33, 1275-1284.	5.1	37

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91	Numerical simulations for fractional variation of $(1 + \epsilon^{-1})$ -dimensional Biswas-Milovic equation. <i>Optik</i> , 2018, 166, 77-85.	2.9	37
92	Dispersive optical solitons and modulation instability analysis of Schrödinger-Hirota equation with spatio-temporal dispersion and Kerr law nonlinearity. <i>Superlattices and Microstructures</i> , 2018, 113, 319-327.	3.1	37
93	Analytical and numerical solutions for the current and voltage model on an electrical transmission line with time and distance. <i>Physica Scripta</i> , 2020, 95, 055206.	2.5	37
94	Application of homotopy analysis method for fin efficiency of convective straight fins with temperature-dependent thermal conductivity. <i>Mathematics and Computers in Simulation</i> , 2008, 79, 189-200.	4.4	36
95	New type soliton solutions for the Zhiber-Shabat and related equations. <i>Optik</i> , 2017, 138, 1-7.	2.9	36
96	Dark and singular optical solitons for the conformable space-time nonlinear Schrödinger equation with Kerr and power law nonlinearity. <i>Optik</i> , 2018, 162, 65-75.	2.9	36
97	Combined optical solitary waves and conservation laws for nonlinear Chen-Lee-Liu equation in optical fibers. <i>Optik</i> , 2018, 158, 297-304.	2.9	36
98	Symmetry Analysis, Explicit Solutions, and Conservation Laws of a Sixth-Order Nonlinear Ramani Equation. <i>Symmetry</i> , 2018, 10, 341.	2.2	36
99	New exact solutions for the Kaup-Kupershmidt equation. <i>AIMS Mathematics</i> , 2020, 5, 6726-6738.	1.6	36
100	Dark optical solitons and conservation laws to the resonance nonlinear Schrödinger's equation with Kerr law nonlinearity. <i>Optik</i> , 2017, 147, 248-255.	2.9	35
101	A series of abundant new optical solitons to the conformable space-time fractional perturbed nonlinear Schrödinger equation. <i>Physica Scripta</i> , 2020, 95, 085108.	2.5	35
102	Chaos control and solutions of fractional-order Malkus waterwheel model. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109746.	5.1	35
103	Mathematical modeling for adsorption process of dye removal nonlinear equation using power law and exponentially decaying kernels. <i>Chaos</i> , 2020, 30, 043106.	2.5	35
104	Gaussian radial basis functions method for linear and nonlinear convection-diffusion models in physical phenomena. <i>Open Physics</i> , 2021, 19, 69-76.	1.7	35
105	New solitary wave solutions to the coupled Maccari's system. <i>Results in Physics</i> , 2021, 21, 103801.	4.1	35
106	New solitary wave solutions and stability analysis of the Benney-Luke and the Phi-4 equations in mathematical physics. <i>AIMS Mathematics</i> , 2019, 4, 1523-1539.	1.6	35
107	An efficient approach to approximate solutions of eighth-order boundary-value problems. <i>International Journal of Computer Mathematics</i> , 2004, 81, 685-692.	1.8	34
108	Modified decomposition method for nonlinear Volterra-Fredholm integral equations. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 308-313.	5.1	34

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109	Traveling wave solutions and conservation laws of some fifth-order nonlinear equations. European Physical Journal Plus, 2017, 132, 1.	2.6	34
110	Novel optical solitary waves and modulation instability analysis for the coupled nonlinear Schrödinger equation in monomode step-index optical fibers. Superlattices and Microstructures, 2018, 113, 745-753.	3.1	34
111	W-shape bright and several other solutions to the (3+1)-dimensional nonlinear evolution equations. Modern Physics Letters B, 2021, 35, .	1.9	34
112	Exact solutions with solitary patterns for the Zakharov-Kuznetsov equations with fully nonlinear dispersion. Chaos, Solitons and Fractals, 2007, 33, 1783-1790.	5.1	33
113	On solitons and invariant solutions of the Magneto-electro-elastic circular rod. Waves in Random and Complex Media, 2016, 26, 259-271.	2.7	33
114	New approach for the Fornberg-Whitham type equations. Journal of Computational and Applied Mathematics, 2017, 312, 13-26.	2.0	33
115	Space-time fractional Rosenou-Haynam equation: Lie symmetry analysis, explicit solutions and conservation laws. Advances in Difference Equations, 2018, 2018, .	3.5	33
116	A new fractional-order compartmental disease model. AEJ - Alexandria Engineering Journal, 2020, 59, 3187-3196.	6.4	33
117	Stochastic treatment of the solutions for the resonant nonlinear Schrödinger equation with spatio-temporal dispersions and inter-modal using beta distribution. European Physical Journal Plus, 2020, 135, 1.	2.6	33
118	The Comparative Study for Solving Fractional-Order Fornberg-Whitham Equation via Laplace Transform. Symmetry, 2021, 13, 784.	2.2	33
119	Modeling the dynamics of novel coronavirus (COVID-19) via stochastic epidemic model. AEJ - Alexandria Engineering Journal, 2021, 60, 4121-4130.	6.4	33
120	Symmetry properties and exact solutions of the time fractional Kolmogorov-Petrovskii-Piskunov equation. Revista Mexicana De Física, 2019, 65, 529-535.	0.4	33
121	Reproducing Kernel Hilbert Space Method for Solving Bratu's Problem. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 271-287.	0.9	32
122	Group preserving scheme and reproducing kernel method for the Poisson-Boltzmann equation for semiconductor devices. Nonlinear Dynamics, 2017, 88, 2817-2829.	5.2	32
123	On multi-fusion solitons induced by inelastic collision for quasi-periodic propagation with nonlinear refractive index and stability analysis. Modern Physics Letters B, 2018, 32, 1850353.	1.9	32
124	Theory and application for the time fractional Gardner equation with Mittag-Leffler kernel. Journal of Taibah University for Science, 2019, 13, 813-819.	2.5	32
125	Theory and application for the system of fractional Burger equations with Mittag leffler kernel. Applied Mathematics and Computation, 2020, 367, 124781.	2.2	32
126	Survey of third- and fourth-order dispersions including ellipticity angle in birefringent fibers on W-shaped soliton solutions and modulation instability analysis. European Physical Journal Plus, 2021, 136, 1.	2.6	32

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127	Dynamics of five grade leishmania epidemic model using fractional operator with Mittag-Leffler kernel. <i>Chaos, Solitons and Fractals</i> , 2021, 147, 110985.	5.1	32
128	Modulated wave and modulation instability gain brought by the cross-phase modulation in birefringent fibers having anti-cubic nonlinearity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 442, 128191.	2.1	32
129	On numerical soliton solution of the Kaup-Kupersmidt equation and convergence analysis of the decomposition method. <i>Applied Mathematics and Computation</i> , 2006, 172, 72-85.	2.2	31
130	Improved ()-Expansion Method for the Space and Time Fractional Foam Drainage and KdV Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.7	31
131	Constructing two powerful methods to solve the Thomas-Fermi equation. <i>Nonlinear Dynamics</i> , 2017, 87, 1435-1444.	5.2	31
132	Traveling wave solutions and conservation laws for nonlinear evolution equation. <i>Journal of Mathematical Physics</i> , 2018, 59, 023506.	1.1	31
133	Soliton solutions, stability analysis and conservation laws for the brusselator reaction diffusion model with time- and constant-dependent coefficients. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	31
134	Efficiency of the new fractional derivative with nonsingular Mittag-Leffler kernel to some nonlinear partial differential equations. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 220-226.	5.1	31
135	Lie symmetry analysis and conservation laws for the time fractional simplified modified Kawahara equation. <i>Open Physics</i> , 2018, 16, 302-310.	1.7	31
136	Analytical and Approximate Solutions for Complex Nonlinear Schrödinger Equation via Generalized Auxiliary Equation and Numerical Schemes. <i>Communications in Theoretical Physics</i> , 2019, 71, 1267.	2.5	31
137	Stability analysis of leishmania epidemic model with harmonic mean type incidence rate. <i>European Physical Journal Plus</i> , 2020, 135, 528.	2.6	31
138	Improved (G'/G)-Expansion Method for the Time-Fractional Biological Population Model and Cahn-Hilliard Equation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015, 10, .	1.2	30
139	Solutions of a disease model with fractional white noise. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109840.	5.1	30
140	Exact traveling wave solutions to the higher-order nonlinear Schrödinger equation having Kerr nonlinearity form using two strategic integrations.. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	30
141	On numerical solution of Burgers' equation by homotopy analysis method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 356-360.	2.1	29
142	A new approach for one-dimensional sine-Gordon equation. <i>Advances in Difference Equations</i> , 2016, .	3.5	29
143	Complexiton and solitary wave solutions of the coupled nonlinear Maccari's system using two integration schemes. <i>Modern Physics Letters B</i> , 2018, 32, 1850014.	1.9	29
144	Dark-Bright Optical Soliton and Conserved Vectors to the Biswas-Arshed Equation With Third-Order Dispersions in the Absence of Self-Phase Modulation. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	29

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145	Optical solitons and stability analysis of the NLSE with anti-cubic nonlinearity. Superlattices and Microstructures, 2017, 109, 784-793.	3.1	28
146	Residual power series algorithm for fractional cancer tumor models. AEJ - Alexandria Engineering Journal, 2020, 59, 1405-1412.	6.4	28
147	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.	2.0	28
148	Optical soliton with Kudryashov's equation via sine-Gordon expansion and Kudryashov methods. Optical and Quantum Electronics, 2021, 53, 1.	3.3	28
149	Solution of fractional-order Korteweg-de Vries and Burgers' equations utilizing local meshless method. Journal of Ocean Engineering and Science, 2021, , .	4.3	28
150	Approximate solutions for MHD squeezing fluid flow by a novel method. Boundary Value Problems, 2014, 2014, .	0.7	27
151	Travelling wave solutions of generalized Klein-Gordon equations using Jacobi elliptic functions. Nonlinear Dynamics, 2017, 88, 2281-2290.	5.2	27
152	Diverse chirped optical solitons and new complex traveling waves in nonlinear optical fibers. Communications in Theoretical Physics, 2020, 72, 065501.	2.5	27
153	Enhancement of the turbulent convective heat transfer in channels through the baffling technique and oil/multiwalled carbon nanotube nanofluids. Numerical Heat Transfer; Part A: Applications, 2021, 79, 311-351.	2.1	27
154	Numerical simulation of 3-D fractional-order convection-diffusion PDE by a local meshless method. Thermal Science, 2021, 25, 347-358.	1.1	27
155	New optical solitons of conformable resonant nonlinear Schrödinger's equation. Open Physics, 2020, 18, 761-769.	1.7	27
156	Reproducing kernel functions for difference equations. Discrete and Continuous Dynamical Systems - Series S, 2015, 8, 1055-1064.	1.1	27
157	A new iterative algorithm on the time-fractional Fisher equation: Residual power series method. Advances in Mechanical Engineering, 2017, 9, 168781401771600.	1.6	26
158	The unified technique for the nonlinear time-fractional model with the beta-derivative. Results in Physics, 2021, 29, 104785.	4.1	26
159	Clout of fractional time order and magnetic coupling coefficients on the soliton and modulation instability gain in the Heisenberg ferromagnetic spin chain. Chaos, Solitons and Fractals, 2021, 151, 111254.	5.1	26
160	Explicit Solution of Telegraph Equation Based on Reproducing Kernel Method. Journal of Function Spaces and Applications, 2012, 2012, 1-23.	0.5	25
161	New applications of the functional variable method. Optik, 2017, 136, 374-381.	2.9	25
162	New soliton solutions of the fractional Regularized Long Wave Burger equation by means of conformable derivative. Results in Physics, 2019, 14, 102395.	4.1	25

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163	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.	2.5	25
164	The fractional comparative study of the non-linear directional couplers in non-linear optics. Results in Physics, 2021, 27, 104459.	4.1	25
165	A new method for approximate solutions of some nonlinear equations: Residual power series method. Advances in Mechanical Engineering, 2016, 8, 168781401664458.	1.6	24
166	Optical solitons, nonlinear self-adjointness and conservation laws for the cubic nonlinear Schrödinger's equation with repulsive delta potential. Superlattices and Microstructures, 2017, 111, 546-555.	3.1	24
167	Soliton structures to some time-fractional nonlinear differential equations with conformable derivative. Optical and Quantum Electronics, 2018, 50, 1.	3.3	24
168	The discrete tanh method for solving the nonlinear differential-difference equations. International Journal of Modern Physics B, 2020, 34, 2050177.	2.0	24
169	New Applications of the (G'/G,1/G)-Expansion Method. Acta Physica Polonica A, 2015, 128, 245-252.	0.5	24
170	Study on the applications of two analytical methods for the construction of traveling wave solutions of the modified equal width equation. Open Physics, 2020, 18, 1003-1010.	1.7	24
171	Optical solitons of (3+1) dimensional and coupled nonlinear Schrodinger equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	24
172	Exact soliton solutions to the Cahn–Allen equation and Predator–Prey model with truncated M-fractional derivative. Results in Physics, 2022, 37, 105455.	4.1	24
173	Compact and non compact structures of the phi-four equation. Waves in Random and Complex Media, 2017, 27, 28-37.	2.7	23
174	Dark optical and other soliton solutions for the three different nonlinear Schrödinger equations. Optical and Quantum Electronics, 2017, 49, 1.	3.3	23
175	On soliton structures of generalized resonance equation with time dependent coefficients. Optik, 2017, 128, 218-223.	2.9	23
176	Exact optical solitons of Radhakrishnan–Kundu–Lakshmanan equation with Kerr law nonlinearity. Modern Physics Letters B, 2019, 33, 1950061.	1.9	23
177	Invariant subspaces, exact solutions and stability analysis of nonlinear water wave equations. Journal of Ocean Engineering and Science, 2020, 5, 35-40.	4.3	23
178	New numerical solutions of fractional-order Korteweg-de Vries equation. Results in Physics, 2020, 19, 103326.	4.1	23
179	Fractional modeling of temperature dynamics of a building with singular kernels. Chaos, Solitons and Fractals, 2021, 142, 110482.	5.1	23
180	New solutions to the fractional perturbed Chen–Lee–Liu equation with a new local fractional derivative. Waves in Random and Complex Media, 0, , 1-36.	2.7	23

#	ARTICLE	IF	CITATIONS
181	Nature-based solutions to improve the summer thermal comfort outdoors. Case Studies in Thermal Engineering, 2021, 28, 101399.	5.7	23
182	Nanoscale Waveguides in Optical Metamaterials: Jacobi Elliptic Function Solutions. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 526-531.	0.5	23
183	Optical solitons of transmission equation of ultra-short optical pulse in parabolic law media with the aid of Backlund transformation. Optik, 2017, 140, 114-122.	2.9	22
184	Conservation laws, soliton-like and stability analysis for the time fractional dispersive long-wave equation. Advances in Difference Equations, 2018, 2018, .	3.5	22
185	New solutions of the fractional Boussinesq-like equations by means of conformable derivatives. Results in Physics, 2019, 13, 102339.	4.1	22
186	Dark and bright optical solitary waves and modulation instability analysis with $(2 + 1)$ -dimensional cubic-quintic nonlinear Schrödinger equation. Waves in Random and Complex Media, 2019, 29, 393-402.	2.7	22
187	Fractional methicillin-resistant Staphylococcus aureus infection model under Caputo operator. Journal of Applied Mathematics and Computing, 2021, 67, 755-783.	2.5	22
188	Invariance Analysis, Exact Solution and Conservation Laws of $(2 + 1)$ Dim Fractional Kadomtsev-Petviashvili (KP) System. Symmetry, 2021, 13, 477.	2.2	22
189	Numerical Solutions of Time Fractional Zakharov-Kuznetsov Equation via Natural Transform Decomposition Method with Nonsingular Kernel Derivatives. Journal of Function Spaces, 2021, 2021, 1-17.	0.9	22
190	Hermite multiwavelets representation for the sparse solution of nonlinear Abel's integral equation. Applied Mathematics and Computation, 2022, 427, 127171.	2.2	22
191	A different approach for solving singular two-point boundary value problems. Kybernetes, 2005, 34, 934-940.	2.2	21
192	Classification of traveling wave solutions for time-fractional fifth-order KdV-like equation. Waves in Random and Complex Media, 2014, 24, 393-403.	2.7	21
193	Optical solitons and modulation instability analysis with $(3 + 1)$ -dimensional nonlinear Schrödinger equation. Superlattices and Microstructures, 2017, 112, 296-302.	3.1	21
194	Optical solitons, conservation laws and modulation instability analysis for the modified nonlinear Schrödinger's equation for Davydov solitons. Journal of Electromagnetic Waves and Applications, 2018, 32, 858-873.	1.6	21
195	Optimal system, nonlinear self-adjointness and conservation laws for generalized shallow water wave equation. Open Physics, 2018, 16, 364-370.	1.7	21
196	Dynamics of optical solitons, multipliers and conservation laws to the nonlinear Schrödinger equation in $(2+1)$ -dimensions with non-Kerr law nonlinearity. Journal of Modern Optics, 2019, 66, 136-142.	1.3	21
197	Meshless Technique for the Solution of Time-Fractional Partial Differential Equations Having Real-World Applications. Journal of Function Spaces, 2020, 2020, 1-17.	0.9	21
198	Analysis of fractional COVID-19 epidemic model under Caputo operator. Mathematical Methods in the Applied Sciences, 2023, 46, 7944-7964.	2.3	21

#	ARTICLE	IF	CITATIONS
199	Analysis of novel fractional COVID-19 model with real-life data application. Results in Physics, 2021, 23, 103968.	4.1	21
200	New wave surfaces and bifurcation of nonlinear periodic waves for Gilson-Pickering equation. Results in Physics, 2021, 24, 104192.	4.1	21
201	Rational W-shape solitons on a nonlinear electrical transmission line with Josephson junction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 430, 127951.	2.1	21
202	A new approach to solve a diffusion-convection problem. Kybernetes, 2002, 31, 536-549.	2.2	20
203	Optical solitons in multiple-core couplers with the nearest neighbors linear coupling. Optik, 2017, 142, 343-353.	2.9	20
204	Time fractional third-order variant Boussinesq system: Symmetry analysis, explicit solutions, conservation laws and numerical approximations. European Physical Journal Plus, 2018, 133, 1.	2.6	20
205	Invariant and simulation analysis to the time fractional Abrahams-Tsuneto reaction diffusion system. Physica Scripta, 2019, 94, 125005.	2.5	20
206	New solutions of fractional-order Burger-Huxley equation. Results in Physics, 2020, 18, 103290.	4.1	20
207	Applicability of time conformable derivative to Wick-fractional-stochastic PDEs. AEJ - Alexandria Engineering Journal, 2020, 59, 1485-1493.	6.4	20
208	Existence of Solutions for a Singular Fractional q-Differential Equations under Riemann-Liouville Integral Boundary Condition. Symmetry, 2021, 13, 1235.	2.2	20
209	Explicit solutions to the Sharma-Tasso-Olver equation. AIMS Mathematics, 2020, 5, 7272-7284.	1.6	20
210	Adequate soliton solutions to the space-time fractional telegraph equation and modified third-order KdV equation through a reliable technique. Optical and Quantum Electronics, 2022, 54, 1.	3.3	20
211	Investigation of pure-cubic optical solitons in nonlinear optics. Optical and Quantum Electronics, 2022, 54, .	3.3	20
212	Exact and numerical solitons with compact support for nonlinear dispersive equations by the variational iteration method. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 447-456.	2.6	19
213	Particular Solutions of the Confluent Hypergeometric Differential Equation by Using the Nabla Fractional Calculus Operator. Entropy, 2016, 18, 49.	2.2	19
214	On multiple soliton similariton-pair solutions, conservation laws via multiplier and stability analysis for the Whitham-Broer-Kaup equations in weakly dispersive media. Mathematical Methods in the Applied Sciences, 2019, 42, 2455-2464.	2.3	19
215	Numerical study of integer-order hyperbolic telegraph model arising in physical and related sciences. European Physical Journal Plus, 2020, 135, 1.	2.6	19
216	Quasi binormal Schrodinger evolution of wave polarizat±on field of light w±th repulsive type. Physica Scripta, 2021, 96, 045104.	2.5	19

#	ARTICLE	IF	CITATIONS
217	Analytical survey of the predator–prey model with fractional derivative order. AIP Advances, 2021, 11, .	1.3	19
218	W-shaped profile and multiple optical soliton structure of the coupled nonlinear Schrödinger equation with the four-wave mixing term and modulation instability spectrum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 418, 127710.	2.1	19
219	Electrical Circuits RC, LC, and RLC under Generalized Type Non-Local Singular Fractional Operator. Fractal and Fractional, 2021, 5, 9.	3.3	19
220	Exact optical solitons of the perturbed nonlinear Schrödinger–Hirota equation with Kerr law nonlinearity in nonlinear fiber optics. Open Physics, 2020, 18, 526-534.	1.7	19
221	Consistent travelling waves solutions to the non-linear time fractional Klein–Gordon and Sine-Gordon equations through extended tanh-function approach. Journal of Taibah University for Science, 2022, 16, 594-607.	2.5	19
222	New exact solutions for the ZK-MEW equation by using symbolic computation. Applied Mathematics and Computation, 2007, 189, 508-513.	2.2	18
223	Optical solitons and stability analysis with spatio-temporal dispersion in Kerr and quadric-cubic nonlinear media. Optik, 2019, 178, 923-931.	2.9	18
224	On Optical Solitons of the Fractional (3+1)-Dimensional NLSE With Conformable Derivatives. Frontiers in Physics, 2020, 8, .	2.1	18
225	Chirped solitary waves of the perturbed Chen–Lee–Liu equation and modulation instability in optical monomode fibres. Optical and Quantum Electronics, 2021, 53, 1.	3.3	18
226	Heat and mass transfer of oils in baffled and finned ducts. Thermal Science, 2020, 24, 267-276.	1.1	18
227	Properties of some higher-dimensional nonlinear Schrödinger equations. Results in Physics, 2021, 31, 105073.	4.1	18
228	A study for obtaining more solitary pattern solutions of fifth-order KdV-like equations. International Journal of Computer Mathematics, 2004, 81, 473-482.	1.8	17
229	Fractional optical solitons for the conformable space–time nonlinear Schrödinger equation with Kerr law nonlinearity. Optical and Quantum Electronics, 2018, 50, 1.	3.3	17
230	Symmetry analysis, exact solutions and numerical approximations for the space-time Carleman equation in nonlinear dynamical systems. European Physical Journal Plus, 2019, 134, 1.	2.6	17
231	Existence, uniqueness, and stability of fractional hepatitis B epidemic model. Chaos, 2020, 30, 103104.	2.5	17
232	Miscellaneous optical solitons in magneto-optic waveguides associated to the influence of the cross-phase modulation in instability spectra. Physica Scripta, 2021, 96, 045216.	2.5	17
233	Lie–Bäcklund symmetries, analytical solutions and conservation laws to the more general (2+1)-dimensional Boussinesq equation. Results in Physics, 2021, 22, 103850.	4.1	17
234	Optical solitons to the nonlinear Schrödinger equation in metamaterials and modulation instability. European Physical Journal Plus, 2021, 136, 1.	2.6	17

#	ARTICLE	IF	CITATIONS
235	Experimental study of the efficiency of earth-to-air heat exchangers: Effect of the presence of external fans. Case Studies in Thermal Engineering, 2021, 28, 101461.	5.7	17
236	SOLITARY WAVE SOLUTIONS TO THE TZITZËICA TYPE EQUATIONS OBTAINED BY A NEW EFFICIENT APPROACH. Journal of Applied Analysis and Computation, 2019, 9, 568-589.	0.5	17
237	Optical solitons for Triki-Biswas equation by two analytic approaches. AIMS Mathematics, 2020, 5, 1001-1010.	1.6	17
238	A new fuzzy fractional order model of transmission of Covid-19 with quarantine class. European Physical Journal Plus, 2021, 136, 1179.	2.6	17
239	Envelope solitons of the nonlinear discrete vertical dust grain oscillation in dusty plasma crystals. Chaos, Solitons and Fractals, 2022, 155, 111640.	5.1	17
240	On soliton solutions for perturbed Fokasâ€“Lenells equation. Optical and Quantum Electronics, 2022, 54, .	3.3	17
241	Numerical simulation of the regularized long wave equation by He's homotopy perturbation method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 173-179.	2.1	16
242	New solitary wave solutions with compact support and Jacobi elliptic function solutions for the nonlinearly dispersive Boussinesq equations. Chaos, Solitons and Fractals, 2008, 37, 792-798.	5.1	16
243	Solving the Laneâ€“Emden Equation within a Reproducing Kernel Method and Group Preserving Scheme. Mathematics, 2017, 5, 77.	2.2	16
244	On the classification of conservation laws and soliton solutions of the long short-wave interaction system. Modern Physics Letters B, 2018, 32, 1850202.	1.9	16
245	New Exact Solutions and Conservation Laws to the Fractional-Order Fokkerâ€“Planck Equations. Symmetry, 2020, 12, 1282.	2.2	16
246	Fractional heat conduction model with phase lags for a halfâ€“space with thermal conductivity and temperature dependent. Mathematical Methods in the Applied Sciences, 0, , .	2.3	16
247	New exact solutions for nonlinear Atangana conformable Boussinesq-like equations by new Kudryashov method. International Journal of Modern Physics B, 2021, 35, 2150163.	2.0	16
248	Bifurcation of new optical solitary wave solutions for the nonlinear long-short wave interaction system via two improved models of $\frac{G'}{G}$ expansion method. Optical and Quantum Electronics, 2021, 53, 1.	3.3	16
249	Explicit wave phenomena to the couple type fractional order nonlinear evolution equations. Results in Physics, 2021, 28, 104597.	4.1	16
250	Meshless method based on RBFs for solving three-dimensional multi-term time fractional PDEs arising in engineering phenomenons. Journal of King Saud University - Science, 2021, 33, 101604.	3.5	16
251	New soliton solutions of Heisenberg ferromagnetic spin chain model. Pramana - Journal of Physics, 2022, 96, 1.	1.8	16
252	Complexiton and resonant multi-solitons of a $(4 + 1)$ -dimensional Boitiâ€“Leonâ€“Mannaâ€“Pempinelli equation. Optical and Quantum Electronics, 2022, 54, 1.	3.3	16

#	ARTICLE	IF	CITATIONS
253	A different approach for soliton solution of the improved Boussinesq equation. International Journal of Computer Mathematics, 2004, 81, 313-323.	1.8	15
254	A computational approach to the wave equations. Kybernetes, 2004, 33, 80-97.	2.2	15
255	On numerical solutions of a new coupled MKdV system by using the Adomian decomposition method and He's variational iteration method. Physica Scripta, 2008, 78, 045008.	2.5	15
256	Some special structures for the generalized nonlinear Schrödinger equation with nonlinear dispersion. Waves in Random and Complex Media, 2013, 23, 77-88.	2.7	15
257	On combined optical solitons of the one-dimensional Schrödinger's equation with time dependent coefficients. Open Physics, 2016, 14, 65-68.	1.7	15
258	Gray optical soliton, linear stability analysis and conservation laws via multipliers to the cubic nonlinear Schrödinger equation. Optik, 2018, 164, 472-478.	2.9	15
259	Optical solitons for the Kundu-Eckhaus equation with time dependent coefficient. Optik, 2018, 159, 324-332.	2.9	15
260	Dark and combined optical solitons, and modulation instability analysis in dispersive metamaterial. Optik, 2018, 157, 484-491.	2.9	15
261	Optical solitary waves and conservation laws to the (2 + 1)-dimensional hyperbolic nonlinear Schrödinger equation. Modern Physics Letters B, 2018, 32, 1850373.	1.9	15
262	Existence theory and numerical simulation of HIV-I cure model with new fractional derivative possessing a non-singular kernel. Advances in Difference Equations, 2019, 2019, .	3.5	15
263	Second-Order Differential Equation: Oscillation Theorems and Applications. Mathematical Problems in Engineering, 2020, 2020, 1-6.	1.1	15
264	Computing wave solutions and conservation laws of conformable time-fractional Gardner and Benjamin-Ono equations. Pramana - Journal of Physics, 2021, 95, 1.	1.8	15
265	Approximate Numerical solutions for the nonlinear dispersive shallow water waves as the Fornberg-Whitham model equations. Results in Physics, 2021, 22, 103907.	4.1	15
266	Multi-solitons, lumps, and breath solutions of the water wave propagation with surface tension via four recent computational schemes. Ain Shams Engineering Journal, 2021, 12, 3031-3041.	6.1	15
267	Exact soliton solutions of conformable fractional coupled Burger's equation using hyperbolic function approach. Results in Physics, 2021, 30, 104776.	4.1	15
268	Solitary Wave Solutions for the Sawada-Kotera Equation. Journal of Advanced Physics, 2017, 6, 288-293.	0.4	15
269	Fractional residual power series method for the analytical and approximate studies of fractional physical phenomena. Open Physics, 2020, 18, 799-805.	1.7	15
270	Modified variational iteration method for straight fins with temperature dependent thermal conductivity. Thermal Science, 2018, 22, 229-236.	1.1	15

#	ARTICLE	IF	CITATIONS
271	Analytical novel solutions to the fractional optical dynamics in a medium with polynomial law nonlinearity and higher order dispersion with a new local fractional derivative. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 420, 127744.	2.1	15
272	Analytical solutions to the fractional Lakshmananâ€Porsezianâ€Daniel model. Optical and Quantum Electronics, 2022, 54, 1.	3.3	15
273	Diverse and novel soliton structures of coupled nonlinear SchrÅdinger type equations through two competent techniques. Modern Physics Letters B, 2022, 36, .	1.9	15
274	Numerical Solution of Seventh-Order Boundary Value Problems by a Novel Method. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	14
275	On the solutions of electrohydrodynamic flow with fractional differential equations by reproducing kernel method. Open Physics, 2016, 14, 685-689.	1.7	14
276	Optical and singular solitary waves to the PNLSE with third order dispersion in Kerr media via two integration approaches. Optik, 2018, 163, 142-151.	2.9	14
277	Optical solitons to the (n + 1)-dimensional nonlinear SchrÅdingerâ€™s equation with Kerr law and power law nonlinearities using two integration schemes. Modern Physics Letters B, 2019, 33, 1950224.	1.9	14
278	On Numerical Solution Of The Time Fractional Advection-Diffusion Equation Involving Atangana-Baleanu-Caputo Derivative. Open Physics, 2019, 17, 816-822.	1.7	14
279	Geometric phase for timelike spherical normal magnetic charged particles optical ferromagnetic model. Journal of Taibah University for Science, 2020, 14, 742-749.	2.5	14
280	New explicit optical solitons of fractional nonlinear evolution equation via three different methods. Results in Physics, 2020, 18, 103209.	4.1	14
281	Flow and thermal study of MHD Casson fluid past a moving stretching porous wedge. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6959-6969.	3.6	14
282	Fractional order heroin epidemic dynamics. AEJ - Alexandria Engineering Journal, 2021, 60, 5157-5165.	6.4	14
283	Construction of optical solitons of magneto-optic waveguides with anti-cubic law nonlinearity. Optical and Quantum Electronics, 2021, 53, 646.	3.3	14
284	Exact analytical wave solutions for space-time variable-order fractional modified equal width equation. Results in Physics, 2022, 33, 105216.	4.1	14
285	Specific optical solitons solutions to the coupled Radhakrishnanâ€Kunduâ€Lakshmanan model and modulation instability gain spectra in birefringent fibers. Optical and Quantum Electronics, 2022, 54, 1.	3.3	14
286	New soliton solutions for the space-time fractional modified third order Kortewegâ€de Vries equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	14
287	On the solution of the nonâ€linear Kortewegâ€de Vries equation by the decomposition method. Kybernetes, 2002, 31, 766-772.	2.2	13
288	Numerical Solutions of the Second-Order One-Dimensional Telegraph Equation Based on Reproducing Kernel Hilbert Space Method. Abstract and Applied Analysis, 2013, 2013, 1-13.	0.7	13

#	ARTICLE	IF	CITATIONS
289	On numerical solution of the time-fractional diffusion-wave equation with the fictitious time integration method. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	13
290	Some numerical solutions of local fractional tricomi equation in fractal transonic flow. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 1147-1153.	6.4	13
291	Numerical comparison of Caputo and Conformable derivatives of time fractional Burgers-Fisher equation. <i>Results in Physics</i> , 2021, 25, 104247.	4.1	13
292	Analytical solutions of nonlinear time fractional evaluation equations via unified method with different derivatives and their comparison. <i>Results in Physics</i> , 2021, 26, 104357.	4.1	13
293	A solution of coupled nonlinear differential equations arising in a rotating micropolar nanofluid flow system by Hermite wavelet technique. <i>Engineering With Computers</i> , 2022, 38, 3351-3372.	6.1	13
294	Boundary value problem for nonlinear fractional differential equations of variable order via Kuratowski MNC technique. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	13
295	Extension of the sine-Gordon expansion scheme and parametric effect analysis for higher-dimensional nonlinear evolution equations. <i>Journal of King Saud University - Science</i> , 2021, 33, 101515.	3.5	13
296	Influence of fractional time order on W-shaped and Modulation Instability gain in fractional Nonlinear Schrödinger Equation. <i>Results in Physics</i> , 2021, 28, 104556.	4.1	13
297	Insights of numerical simulations of magnetohydrodynamic squeezing nanofluid flow through a channel with permeable walls. <i>Propulsion and Power Research</i> , 2021, 10, 412-420.	4.3	13
298	Cubic splines solutions of the higher order boundary value problems arise in sandwich panel theory. <i>Results in Physics</i> , 2022, 39, 105726.	4.1	13
299	Extended tanh-Function Method for Finding Travelling Wave Solutions of Some Nonlinear Partial Differential Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2005, 60, 7-16.	1.5	12
300	On numerical solutions of one-dimensional nonlinear Burgers's equation and convergence of the decomposition method. <i>Applied Mathematics and Computation</i> , 2005, 170, 76-85.	2.2	12
301	New exact solitary pattern solutions of the nonlinearly dispersive R(m,n) equations. <i>Chaos, Solitons and Fractals</i> , 2006, 29, 499-505.	5.1	12
302	A Novel Method for Solving KdV Equation Based on Reproducing Kernel Hilbert Space Method. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-11.	0.7	12
303	The investigation of soliton solutions and conservation laws to the coupled generalized Schrödinger-Boussinesq system. <i>Waves in Random and Complex Media</i> , 2019, 29, 77-92.	2.7	12
304	Fractional soliton dynamics of electrical microtubule transmission line model with local M-derivative. <i>Communications in Theoretical Physics</i> , 2021, 73, 095002.	2.5	12
305	Cubic spline based differential quadrature method: A numerical approach for fractional Burger equation. <i>Results in Physics</i> , 2021, 26, 104415.	4.1	12
306	A Numerical Investigation on Burgers Equation by MOL-GPS Method. <i>Journal of Advanced Physics</i> , 2017, 6, 413-417.	0.4	12

#	ARTICLE	IF	CITATIONS
307	Outdoor Thermal Comfort Optimization through Vegetation Parameterization: Species and Tree Layout. Sustainability, 2021, 13, 11791.	3.2	12
308	Numerical Investigation of Thermal-Flow Characteristics in Heat Exchanger with Various Tube Shapes. Applied Sciences (Switzerland), 2021, 11, 9477.	2.5	12
309	Exact solutions of the cubic Boussinesq and the coupled Higgs system. Thermal Science, 2020, 24, 333-342.	1.1	12
310	Analytical solutions of the fifth-order time fractional nonlinear evolution equations by the unified method. Modern Physics Letters B, 2022, 36, .	1.9	12
311	Discrete breathers incited by the intra-dimers parameter in microtubulin protofilament array. European Physical Journal Plus, 2022, 137, 1.	2.6	12
312	Novel exact and solitary solutions of conformable Kleinâ€“Gordon equation via Sardar-subequation method. Journal of Ocean Engineering and Science, 2022, , .	4.3	12
313	A New Application of the Reproducing Kernel Hilbert Space Method to Solve MHD Jeffery-Hamel Flows Problem in Nonparallel Walls. Abstract and Applied Analysis, 2013, 2013, 1-12.	0.7	11
314	Optical solitons, explicit solutions and modulation instability analysis with second-order spatio-temporal dispersion. European Physical Journal Plus, 2017, 132, 1.	2.6	11
315	Optical Solitons and Stability Analysis in Ring-Cavity Fiber System with Carbon Nanotube as Saturable Absorber. Communications in Theoretical Physics, 2018, 70, 511.	2.5	11
316	Approximate solutions to the conformable Rosenauâ€“Hyman equation using the twoâ€“step Adomian decomposition method with PadÃ© approximation. Mathematical Methods in the Applied Sciences, 2020, 43, 7632-7639.	2.3	11
317	Improvement of the performance of solar channels by using vortex generators and hydrogen fluid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 545-566.	3.6	11
318	Fractal Ion Acoustic Waves of the Space-Time Fractional Three Dimensional KP Equation. Advances in Mathematical Physics, 2020, 2020, 1-7.	0.8	11
319	New interaction and combined multi-wave solutions for the Heisenberg ferromagnetic spin chain equation. European Physical Journal Plus, 2020, 135, 1.	2.6	11
320	Construction of rogue waves and conservation laws of the complex coupled Kadomtsevâ€“Petviashvili equation. International Journal of Modern Physics B, 2020, 34, 2050115.	2.0	11
321	Lie Symmetry Analysis, Conservation Laws, Power Series Solutions, and Convergence Analysis of Time Fractional Generalized Drinfeld-Sokolov Systems. Symmetry, 2021, 13, 874.	2.2	11
322	Symmetry reductions and invariant-group solutions for a two-dimensional Kunduâ€“Mukherjeeâ€“Naskar model. Results in Physics, 2021, 28, 104583.	4.1	11
323	Simulating the Turbulent Hydrothermal Behavior of Oil/MWCNT Nanofluid in a Solar Channel Heat Exchanger Equipped with Vortex Generators. CMES - Computer Modeling in Engineering and Sciences, 2021, 126, 855-889.	1.1	11
324	N-wave and other solutions to the B-type Kadomtsev-Petviashvili equation. Thermal Science, 2019, 23, 2027-2035.	1.1	11

#	ARTICLE	IF	CITATIONS
325	On the fractional model of Fokker-Planck equations with two different operator. AIMS Mathematics, 2020, 5, 236-248.	1.6	11
326	The new soliton solutions for long and short-wave interaction system. Journal of Ocean Engineering and Science, 2022, 7, 485-491.	4.3	11
327	Manakov model of coupled NLS equation and its optical soliton solutions. Journal of Ocean Engineering and Science, 2022, , .	4.3	11
328	Singular solitons and other solutions to a couple of nonlinear wave equations. Chinese Physics B, 2013, 22, 060204.	1.4	10
329	Singular 1-Soliton Solution of the K&span class="cmr-10">(&/span>&span>&span) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58 Generalized Evolutions and Its Subsidiaries. Acta Physica Polonica B, 2013, 44, 1825.	0.8	10
330	On soliton solutions of the Wu-Zhang system. Open Physics, 2016, 14, 76-80.	1.7	10
331	Beta derivative applied to dark and singular optical solitons for the resonance perturbed NLSE. European Physical Journal Plus, 2019, 134, 1.	2.6	10
332	Symmetry reductions, explicit solutions, convergence analysis and conservation laws via multipliers approach to the Chen&Lee&Liu model in nonlinear optics. Modern Physics Letters B, 2019, 33, 1950035.	1.9	10
333	On the Analytical and Numerical Solutions in the Quantum Magnetoplasmas: The Atangana Conformable Derivative ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T with Power-Law Nonlinearity. Advances in Mathematical Physics, 2020, 2020, 1-10.	0.8	10
334	Soliton solutions for system of ion sound and Langmuir waves. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
335	Controllable rational solutions in nonlinear optics fibers. European Physical Journal Plus, 2020, 135, 1.	2.6	10
336	New algorithm for the approximate solution of generalized seventh order Korteweg-Devries equation arising in shallow water waves. Results in Physics, 2021, 20, 103744.	4.1	10
337	New Explicit Solutions to the Fractional-Order Burgers&TM Equation. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	10
338	Optical soliton and weierstrass elliptic function management to parabolic law nonlinear directional couplers and modulation instability spectra. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
339	Research of lump dynamics on the (3+1)-dimensional B-type Kadomtsev&Petviashvili&Boussinesq equation. Modern Physics Letters B, 2021, 35, .	1.9	10
340	An extension of optimal auxiliary function method to fractional order high dimensional equations. AEJ - Alexandria Engineering Journal, 2021, 60, 4809-4818.	6.4	10
341	On dark optical solitons of the space-time nonlinear Schr&rdinger equation with fractional complex transform for Kerr and power law nonlinearities. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 114-120.	0.2	10
342	New solutions for the unstable nonlinear Schr&rdinger equation arising in natural science. AIMS Mathematics, 2020, 5, 1893-1912.	1.6	10

#	ARTICLE	IF	CITATIONS
343	The deterministic and stochastic solutions of the Schrodinger equation with time conformable derivative in birefringent fibers. AIMS Mathematics, 2020, 5, 2326-2345.	1.6	10
344	New chirp-free and chirped form optical solitons to the non-linear Schrödinger equation. Optical and Quantum Electronics, 2021, 53, 1.	3.3	10
345	New classifications of nonlinear Schrödinger model with group velocity dispersion via new extended method. Results in Physics, 2021, 31, 104910.	4.1	10
346	Fractional-order dynamics of human papillomavirus. Results in Physics, 2022, 34, 105281.	4.1	10
347	Analysis and Simulation of Fractional Order Smoking Epidemic Model. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-16.	1.3	10
348	A Study for Obtaining more Compacton Solutions of the Modified Form of Fifth-order Korteweg-De Vries-like Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 359-367.	1.5	9
349	New Families of Solitary Pattern Solutions of the Nonlinear Dispersive K(n, m, k) Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 275-280.	1.5	9
350	Numerical doubly-periodic solution of the (n)-dimensional Boussinesq equation with initial conditions by the variational iteration method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 20-24.	2.1	9
351	Computational fluid dynamic simulations and heat transfer characteristic comparisons of various arc-baffled channels. Open Physics, 2021, 19, 51-60.	1.7	9
352	M-shape and W-shape bright incite by the fluctuations of the polarization in a-helix protein. Physica Scripta, 2021, 96, 085501.	2.5	9
353	The chaotic, supernonlinear, periodic, quasiperiodic wave solutions and solitons with cascaded system. Waves in Random and Complex Media, 0, , 1-15.	2.7	9
354	Computational study for the conformable nonlinear Schrödinger equation with cubic and quintic and septic nonlinearities. Results in Physics, 2021, 30, 104839.	4.1	9
355	New method for investigating the density-dependent diffusion Nagumo equation. Thermal Science, 2018, 22, 143-152.	1.1	9
356	A variety of fractional soliton solutions for three important coupled models arising in mathematical physics. International Journal of Modern Physics B, 2022, 36, .	2.0	9
357	Sundry optical solitons and modulational instability in Sasa-Satsuma model. Optical and Quantum Electronics, 2022, 54, 1.	3.3	9
358	Optical solitons of the Kudryashov Equation via an analytical technique. Optical and Quantum Electronics, 2022, 54, 1.	3.3	9
359	W-shaped profile and breather-like soliton of the fractional nonlinear Schrödinger equation describing the polarization mode in optical fibers. Optical and Quantum Electronics, 2022, 54, .	3.3	9
360	An approximate solitary wave solution with compact support for the modified KdV equation. Applied Mathematics and Computation, 2007, 184, 631-637.	2.2	8

#	ARTICLE	IF	CITATIONS
361	Exact special solutions to the nonlinear dispersive and equations by Heâ€™s variational iteration method. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 624-631.	1.1	8
362	Compact and noncompact structures of a three-dimensional 3DKP $\frac{\partial^2 \psi}{\partial x^2} + \psi \frac{\partial \psi}{\partial x} = 0$ with nonlinear dispersion. <i>Applied Mathematics Letters</i> , 2013, 26, 437-444.	2.7	8
363	Enhancement of the Hydrodynamic Characteristics in Shell-and-Tube Heat Exchangers by Using W-Baffle Vortex Generators. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2020, 64, 212-223.	1.4	8
364	New Uniform Motion and Fermiâ€™Walker Derivative of Normal Magnetic Biharmonic Particles in Heisenberg Space. <i>Symmetry</i> , 2020, 12, 1017.	2.2	8
365	Improved Heat Transfer in W-Baffled Air-Heat Exchangers with Upper-Inlet and Lower-Exit. <i>Mathematical Modelling of Engineering Problems</i> , 2021, 8, 1-9.	0.5	8
366	The M-fractional improved perturbed nonlinear Schrödinger equation: Optical solitons and modulation instability analysis. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150121.	2.0	8
367	Abundant Explicit Solutions to Fractional Order Nonlinear Evolution Equations. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	1.1	8
368	A mathematical modelling of a Atherosclerosis intimation with Atangana-Baleanu fractional derivative in terms of memory function. <i>Results in Physics</i> , 2021, 27, 104425.	4.1	8
369	Nonclassical Lie symmetry and conservation laws of the nonlinear time-fractional Kortewegâ€™de Vries equation. <i>Communications in Theoretical Physics</i> , 2021, 73, 095006.	2.5	8
370	Analytic approximate solutions for fluid flow in the presence of heat and mass transfer. <i>Thermal Science</i> , 2018, 22, 259-264.	1.1	8
371	New coupled rogue waves propagating backward and forward and modulation instability in a composite nonlinear right- and left-handed transmission line. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	8
372	Estimation of the Wind Energy Potential in Various North Algerian Regions. <i>Energies</i> , 2021, 14, 7564.	3.1	8
373	Attitude of the Modulation Instability gain in Oppositely Directed Coupler with the effects of the Intrapulse Raman Scattering and Saturable Function. <i>Results in Physics</i> , 2021, 31, 104851.	4.1	8
374	Numerical investigation of ohmically dissipated mixed convective flow. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101809.	5.7	8
375	A new local fractional derivative applied to the analytical solutions for the nonlinear Schrödinger equation with third-order dispersion. <i>Journal of Nonlinear Optical Physics and Materials</i> , 0, , .	1.8	8
376	Transcendental surface wave to the symmetric regularized long-wave equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 439, 128123.	2.1	8
377	New hyperbolic and rational form solutions of $\frac{\partial^2 \psi}{\partial x^2} + \psi \frac{\partial \psi}{\partial x} = 0$ generalized Korteweg-de Vries model. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	10.784314	10
378	A new approach to travelling wave solution of a fourth-order semilinear diffusion equation. <i>Kybernetes</i> , 2003, 32, 1492-1503.	2.2	7

#	ARTICLE	IF	CITATIONS
379	A reliable approach to the Kortewegâ€de Vries equation.. Kybernetes, 2005, 34, 951-959.	2.2	7
380	A reliable method for obtaining approximate solutions of linear and nonlinear Volterraâ€Fredholm integroâ€differential equations. Kybernetes, 2005, 34, 1034-1048.	2.2	7
381	Numerical treatment on one-dimensional hyperbolic telegraph equation by the method of line-group preserving scheme. European Physical Journal Plus, 2019, 134, 1.	2.6	7
382	Solitons and complexitons to the (2 + 1)-dimensional Heisenberg ferromagnetic spin chain model. International Journal of Modern Physics B, 2019, 33, 1950368.	2.0	7
383	Optical solitons with M-truncated derivative and conservation laws for NLSE equation which describe pseudospherical surfaces. Physica Scripta, 2020, 95, 035217.	2.5	7
384	Dynamics of optical solitons and conservation laws of a new (2+1)-dimensional integrable nonlinear evolution equation in deep water oceanic waves. Modern Physics Letters B, 2020, 34, 2050068.	1.9	7
385	Some new exact solutions for derivative nonlinear SchrÃ¶dinger equation with the quintic non-Kerr nonlinearity. Modern Physics Letters B, 2020, 34, 2050079.	1.9	7
386	Modeling of pressureâ€volume controlled artificial respiration with local derivatives. Advances in Difference Equations, 2021, 2021, 49.	3.5	7
387	Thermosolutal natural convection across an inclined square enclosure partially filled with a porous medium. Results in Physics, 2021, 21, 103821.	4.1	7
388	Application of Extended Adomian Decomposition Method and Extended Variational Iteration Method to Hirota-Satsuma Coupled KdV Equation. Journal of Advanced Physics, 2017, 6, 216-222.	0.4	7
389	Fractional solitons for the nonlinear Pochhammer-Chree equation with conformable derivative. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 158-162.	0.2	7
390	Families of exact solutions of Biswas-Milovic equation by an exponential rational function method. Tbilisi Mathematical Journal, 2020, 13, .	0.3	7
391	Propagation of some new traveling wave patterns of the double dispersive equation. Open Physics, 2022, 20, 130-141.	1.7	7
392	An analytical approach to the solution of fractional-coupled modified equal width and fractional-coupled Burgers equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	7
393	Analytical study of nonlinear water wave equations for their fractional solution structures. Modern Physics Letters B, 2022, 36, .	1.9	7
394	A geometric numerical integration method for solving the Volterra integro-differential equations. International Journal of Computer Mathematics, 2018, 95, 1654-1665.	1.8	6
395	Modified KdV equation for magnetized Rossby waves in a zonal flow of the ionospheric E-layer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125888.	2.1	6
396	On exact solutions for the stochastic time fractional Gardner equation. Physica Scripta, 2020, 95, 045221.	2.5	6

#	ARTICLE	IF	CITATIONS
397	On convergence analysis and numerical solutions of local fractional Helmholtz equation. AEJ - Alexandria Engineering Journal, 2020, 59, 4335-4341.	6.4	6
398	Lump-Type and Bell-Shaped Soliton Solutions of the Time-Dependent Coefficient Kadomtsev-Petviashvili Equation. Frontiers in Physics, 2020, 7, .	2.1	6
399	On mathematical analysis of a discrete electrical lattice with nonlinear dispersion. International Journal of Modern Physics B, 2021, 35, 2150076.	2.0	6
400	On the Biswas-Milovic Model with Power Law Nonlinearity. Journal of Advanced Physics, 2018, 7, 239-246.	0.4	6
401	Predicting the chaos and solution bounds in a complex dynamical system. Chaos, Solitons and Fractals, 2021, 153, 111474.	5.1	6
402	On some novel bright, dark and optical solitons to the cubic-quintic nonlinear non-paraxial pulse propagation model. Optical and Quantum Electronics, 2021, 53, 1.	3.3	6
403	Diverse novel solutions for the ionic current using the microtubule equation based on two recent computational schemes. Journal of Computational Electronics, 2021, 20, 2604-2613.	2.5	6
404	Fractional dynamics and analysis for a lassa fever infectious ailment with Caputo operator. Chaos, Solitons and Fractals, 2021, 153, 111605.	5.1	6
405	New Optical Solitons for Time Fractional Coupled Zakharov Equations. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	6
406	Computational Simulations; Abundant Optical Wave Solutions Atangana Conformable Fractional Nonlinear Schrödinger Equation. Advances in Mathematical Physics, 2022, 2022, 1-13.	0.8	6
407	Impacts of Chemical Reaction and Suction/Injection on the Mixed Convective Williamson Fluid past a Penetrable Porous Wedge. Journal of Mathematics, 2022, 2022, 1-10.	1.0	6
408	New exact solutions for the reaction-diffusion equation in mathematical physics. Journal of Ocean Engineering and Science, 2022, , .	4.3	6
409	New analytical solutions by the application of the modified double sub-equation method to the (1 +) Tj ETQq1 1 0.784314 rgBT /Over 085218.	2.5	6
410	A Comparison of Numerical ODE Solvers based on Euler Methods. Mathematical and Computational Applications, 1998, 3, 153-159.	1.3	5
411	Geometrical interpretation and approximate solution of non-linear KdV equation. Kybernetes, 2005, 34, 941-950.	2.2	5
412	On numerical Jacobi elliptic function solutions of the (1+1)-dimensional dispersive long wave equation by the decomposition method. Applied Mathematics and Computation, 2006, 173, 372-382.	2.2	5
413	New Compacton Solutions of Nonlinearly Dispersive $(1+1)$ -Dimensional (m, n) Equations. Communications in Theoretical Physics, 2006, 45, 389-394.	2.5	5
414	New Numerical Method for Solving Tenth Order Boundary Value Problems. Mathematics, 2018, 6, 245.	2.2	5

#	ARTICLE	IF	CITATIONS
415	Grey and black optical solitary waves, and modulation instability analysis to the perturbed nonlinear Schrödinger equation with Kerr law nonlinearity. Journal of Modern Optics, 2019, 66, 647-651.	1.3	5
416	New Positive Solutions of Nonlinear Elliptic PDEs. Applied Sciences (Switzerland), 2020, 10, 4863.	2.5	5
417	New Soliton Applications in Earth's Magnetotail Plasma at Critical Densities. Frontiers in Physics, 2020, 8, .	2.1	5
418	Enhanced Heat Transfer by Oil/Multi-Walled Carbon Nano-Tubes Nanofluid. Annales De Chimie: Science Des Materiaux, 2021, 45, 93-103.	0.4	5
419	New optical solitons for complex Ginzburg-Landau equation with beta derivatives via two integration algorithms. Indian Journal of Physics, 2022, 96, 2093-2105.	1.8	5
420	Dynamical behaviour of the foam drainage equation. Results in Physics, 2021, 30, 104844.	4.1	5
421	Optical solitons and modulation instability analysis to the quadratic-cubic nonlinear Schrödinger equation. Nonlinear Analysis: Modelling and Control, 2018, 24, 20-33.	1.6	5
422	On numerical solutions of time-fraction generalized Hirota Satsuma coupled KdV equation. Journal of Nonlinear Science and Applications, 2017, 10, 724-733.	1.0	5
423	Adomian-Padé approximate solutions to the conformable nonlinear heat transfer equation. Thermal Science, 2019, 23, 235-242.	1.1	5
424	Numerical Solutions of a Heat Transfer for Fractional Maxwell Fluid Flow with Water Based Clay Nanoparticles; A Finite Difference Approach. Fractal and Fractional, 2021, 5, 242.	3.3	5
425	Influence of the next-nearest neighbor and the boson-boson interactions on U-shaped, W-shaped profile and modulation instability gain spectra in a zigzag optical lattice. Waves in Random and Complex Media, 0, , 1-14.	2.7	5
426	A comparative study about the propagation of water waves with fractional operators. Journal of Ocean Engineering and Science, 2022, , .	4.3	5
427	New solutions to the generalized (2+1)-D Boiti-Leon-Pempinelli equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	5
428	Non-topological, topological and rogue wave Soliton solutions for Sharma Tasso Olver equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	5
429	Study on the existence and nonexistence of solutions for a class of nonlinear Erdélyi-Kober type fractional differential equation on unbounded domain. Journal of Geometry and Physics, 2022, 178, 104546.	1.4	5
430	Investigation of new solitons in nematic liquid crystals with Kerr and non-Kerr law nonlinearities. Journal of Nonlinear Optical Physics and Materials, 2023, 32, .	1.8	5
431	A two step method for the numerical integration of stiff differential equations. International Journal of Computer Mathematics, 2000, 73, 333-340.	1.8	4
432	A comparison of numerical solutions of fourth-order boundary value problems. Kybernetes, 2005, 34, 960-968.	2.2	4

#	ARTICLE	IF	CITATIONS
433	Decomposition method for nonlinear isothermal magnetostatic atmospheres. International Journal of Computer Mathematics, 2005, 82, 559-572.	1.8	4
434	He's homotopy perturbation method for solving Korteweg-de Vries Burgers equation with initial condition. Numerical Methods for Partial Differential Equations, 2010, 26, 1224-1235.	3.6	4
435	ON NEW EXACT SPECIAL SOLUTIONS OF THEGNLS(m,n,p,q) EQUATIONS. Modern Physics Letters B, 2010, 24, 1769-1783.	1.9	4
436	An approximate solution of fractional cable equation by homotopy analysis method. Boundary Value Problems, 2014, 2014, .	0.7	4
437	Invariant subspaces, exact solutions and classification of conservation laws for a coupled (1+1)-dimensional nonlinear Wu-Zhang equation. Physica Scripta, 2020, 95, 035216.	2.5	4
438	Solutions of fractional-stochastic Bao's system. AEJ - Alexandria Engineering Journal, 2020, 59, 4997-5006.	6.4	4
439	Optical solitons for the fractional $(3+1)$ -dimensional NLSE with power law nonlinearities by using conformable derivatives. Indian Journal of Physics, 2021, 95, 2143-2154.	1.8	4
440	Approximate technique for solving fractional variational problems. Pramana - Journal of Physics, 2020, 94, 1.	1.8	4
441	M -truncated optical soliton and their characteristics to a nonlinear equation governing the certain instabilities of modulated wave trains. AIMS Mathematics, 2021, 6, 9207-9221.	1.6	4
442	The solitary wave solutions to the Klein-Gordon-Zakharov equations by extended rational methods. AIP Advances, 2021, 11, 065218.	1.3	4
443	Sufficient conditions for the existence of oscillatory solutions to nonlinear second order differential equations. Journal of Applied Mathematics and Computing, 2022, 68, 2515-2532.	2.5	4
444	Lie symmetry analysis of two dimensional weakly singular integral equations. Journal of Geometry and Physics, 2021, 170, 104385.	1.4	4
445	Comparison between the thermoelectric properties of new materials: The alloy of iron, vanadium, tungsten, and aluminum ($\text{Fe}_2\text{V}_0.8\text{W}_0.2\text{Al}$) against an oxide such as NaCO_2O_4 . Optik, 2021, 247, 168035.	2.9	4
446	On RPS Algorithm of Fractional (1+1)-Dimensional Biswas-Milovic Equation. Journal of Advanced Physics, 2018, 7, 92-97.	0.4	4
447	Stability Analysis and Conservation Laws via Multiplier Approach for the Perturbed Kaup-Newell Equation. Journal of Advanced Physics, 2018, 7, 451-453.	0.4	4
448	Dark optical solitons and modulation instability analysis of nonlinear Schrodinger equation with higher order dispersion and cubic-quintic nonlinearity. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 217-227.	0.2	4
449	On exact special solutions for the stochastic regularized long wave-Burgers equation. Advances in Difference Equations, 2020, 2020, .	3.5	4
450	Details on the Hydrothermal Characteristics within a Solar-Channel Heat-Exchanger Provided with Staggered T-Shaped Baffles. Energies, 2021, 14, 6698.	3.1	4

#	ARTICLE	IF	CITATIONS
451	3D numerical study and comparison of thermal-flow performance of various annular finned-tube designs. Journal of Ocean Engineering and Science, 2022, , .	4.3	4
452	Investigation for soliton solutions with some coupled equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	4
453	Extended $\exp(-\eta^{\frac{1}{4}})$ -expansion method for some exact solutions of (2+1) and (3+1)-dimensional constant coefficients KdV equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	4
454	Breather-like soliton, M-shaped profile, W-shaped profile, and modulation instability conducted by self-frequency shift of the nonlinear Schrödinger equation. Journal of Computational Electronics, 2022, 21, 733-743.	2.5	4
455	New traveling wave solutions for space-time fractional modified equal width equation with beta derivative. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 128281.	2.1	4
456	Miniaturization of dual bands fractal-based microstrip patch fractal antenna for X and Ku bands applications. European Physical Journal Plus, 2022, 137, .	2.6	4
457	On the numerical solution of initial value problems for nonlinear trapezoidal formulas with different types. International Journal of Computer Mathematics, 2003, 80, 1175-1188.	1.8	3
458	New compact and noncompact solutions of the K(k,n) equations. Chaos, Solitons and Fractals, 2006, 29, 895-903.	5.1	3
459	New L-stable method for numerical solutions of ordinary differential equations. Applied Mathematics and Computation, 2007, 188, 779-785.	2.2	3
460	Constructing solitary pattern solutions of the nonlinear dispersive Zakharov-Kuznetsov equation. Chaos, Solitons and Fractals, 2009, 39, 109-119.	5.1	3
461	On exact special solutions of integrable nonlinear dispersive equation. Chaos, Solitons and Fractals, 2009, 39, 1920-1927.	5.1	3
462	Optical solitons for cascaded system: Jacobi elliptic functions. Journal of Modern Optics, 2016, 63, 2298-2307.	1.3	3
463	Numerical simulations for the predator-prey model as a prototype of an excitable system. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	3
464	Mild solutions of a fractional partial differential equation with noise. Mathematical Methods in the Applied Sciences, 2021, 44, 5648-5662.	2.3	3
465	Analysis of fractional-order nonlinear dynamic systems under Caputo differential operator. Mathematical Methods in the Applied Sciences, 2021, 44, 10861-10880.	2.3	3
466	A Novel Numerical Method for Computing Subdivision Depth of Quaternary Schemes. Mathematics, 2021, 9, 809.	2.2	3
467	Computation of complex fields of perturbed $(2+1)$ -dimensional Schrödinger's hyperbolic equation. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
468	Enhanced Outdoor Thermal Comfort Through Natural Design Technique: In-Situ Measurement and Microclimate Simulation. Instrumentation Measure Metrologie, 2021, 20, 131-136.	0.3	3

#	ARTICLE	IF	CITATIONS
469	Fixed Points of Monotone Total Asymptotically Nonexpansive Mapping in Hyperbolic Space via New Algorithm. Journal of Function Spaces, 2021, 2021, 1-10.	0.9	3
470	On Fermi-Walker transformation for timelike flows in spacetime. Journal of Geometry and Physics, 2021, 170, 104353.	1.4	3
471	On Approximate Solutions of Bright Optical Soliton for Schrödinger Equation of Power Law Nonlinearity. Journal of Advanced Physics, 2017, 6, 534-539.	0.4	3
472	Solitons and Conservation Laws for the (2+1)-Dimensional Davey-Stewartson Equations with Conformable Derivative. Journal of Advanced Physics, 2018, 7, 167-175.	0.4	3
473	Application of local meshless method for the solution of two term time fractional-order multi-dimensional PDE arising in heat and mass transfer. Thermal Science, 2020, 24, 95-105.	1.1	3
474	Generalized Darboux transformation and higher-order rogue wave solutions to the Manakov system. International Journal of Modern Physics B, 2021, 35, .	2.0	3
475	On exact solutions for new coupled nonlinear models getting evolution of curves in Galilean space. Thermal Science, 2019, 23, 227-233.	1.1	3
476	On fractional KdV-burgers and potential KdV equations: Existence and uniqueness results. Thermal Science, 2019, 23, 2107-2117.	1.1	3
477	Combination of the Parallel/Counter Flows Nanofluid Techniques to Improve the Performances of Double-Tube Thermal Exchangers. Arabian Journal for Science and Engineering, 2022, 47, 7789-7796.	3.0	3
478	Fractal fractional analysis of modified KdV equation under three different kernels. Journal of Ocean Engineering and Science, 2022, , .	4.3	3
479	Soliton solutions of some nonlinear evolution equations in shallow water theory. Results in Physics, 2022, 38, 105546.	4.1	3
480	Time fractional super KdV equation: Lie point symmetries, conservation laws, explicit solutions with convergence analysis. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	3
481	Optical solitons to the Kundu-Mukherjee-Naskar equation in (2+1)-dimensional form via two analytical techniques. Journal of Laser Applications, 2022, 34, .	1.7	3
482	Numerical study for soliton solutions of some nonlinear evolution equations. International Journal of Computer Mathematics, 2005, 82, 469-481.	1.8	2
483	He's Homotopy Perturbation Method for Solving Coupled- KdV Equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	1.0	2
484	Korteweg-de Vries Equation (KdV), Some Numerical Methods for Solving the. , 2009, , 5161-5176.		2
485	Analytical treatment of the couple stress fluid-filled thin elastic tubes. Optik, 2017, 145, 336-345.	2.9	2
486	Exact Solutions with Lie Symmetry Analysis for Nano-Ionic Currents along Microtubules. ITM Web of Conferences, 2018, 22, 01017.	0.5	2

#	ARTICLE	IF	CITATIONS
505	Explicit solutions of higher dimensional Burger's equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	2
506	Boundary value problem of Riemann-Liouville fractional differential equations in the variable exponent Lebesgue spaces $L(\cdot)$. Journal of Geometry and Physics, 2022, 178, 104554.	1.4	2
507	Numerical solution and mathematical modelling of mass transport from medicated stent. Physica Scripta, 2022, 97, 065709.	2.5	2
508	Dynamical behaviours of the (3+1)-dimensional Kadomtsev-Petviashvili equation describing the dispersive waves. Optical and Quantum Electronics, 2022, 54, .	3.3	2
509	A Reliable Treatment for Solving Nonlinear Two-Point Boundary Value Problems. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 483-489.	1.5	1
510	An L-stable extended two-step method for the integration of ordinary differential equations. Applied Mathematics and Computation, 2007, 186, 1395-1401.	2.2	1
511	On Discrete Fractional Solutions of Non-Fuchsian Differential Equations. Mathematics, 2018, 6, 308.	2.2	1
512	Reproducing kernel functions for linear tenth-order boundary value problems. ITM Web of Conferences, 2018, 22, 01027.	0.5	1
513	Generalized expansion method for some soliton wave solutions of Burgers-like and potential KdV equations. Numerical Methods for Partial Differential Equations, 2020, , .	3.6	1
514	Two reliable methods for solving the forced convection in a porous-saturated duct. European Physical Journal Plus, 2020, 135, 1.	2.6	1
515	Thermal analysis for an experimental study of a cylindrical vertical solar chimney with internal PVC obstacles. International Journal of Low-Carbon Technologies, 2021, 16, 664-671.	2.6	1
516	Some Novel Generalized Strong Coupled Fixed Point Findings in Cone Metric Spaces with Application to Integral Equations. Journal of Function Spaces, 2021, 2021, 1-9.	0.9	1
517	Effects of ellipticity angle on soliton solutions and modulation instability spectra in two-core birefringent optical fibers. Optical and Quantum Electronics, 2021, 53, 1.	3.3	1
518	Assessment of the Resources of Wind Energy in Various Regions of Algeria. International Journal of Sustainable Development and Planning, 2021, 16, 641-650.	0.7	1
519	Optical and W-shaped bright solitons of the conformable derivative nonlinear differential equation. Journal of Computational Electronics, 2021, 20, 1739-1759.	2.5	1
520	Invariant Subspace and Lie Symmetry Analysis, Exact Solutions and Conservation Laws of a Nonlinear Reaction-Diffusion Murray Equation Arising in Mathematical Biology. Journal of Advanced Physics, 2018, 7, 176-182.	0.4	1
521	Biswas-Milovic Model with Quadratic-Cubic Law and Its Optical Solitons. Journal of Advanced Physics, 2018, 7, 387-394.	0.4	1
522	An analysis of analytic and approximate solutions of the nonlinear foam-drainage equation and its applications. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 176-183.	0.2	1

#	ARTICLE	IF	CITATIONS
523	Ellipticity angle effect on exact optical solitons and modulation instability in birefringent fiber. Optical and Quantum Electronics, 2021, 53, 1.	3.3	1
524	Lie Symmetry Analysis and Exact Solutions of Tzitzeica Surfaces PDE in Galilean Space. Journal of Advanced Physics, 2018, 7, 88-91.	0.4	1
525	Optical Solitons for Complex Ginzburg-Landau Model with Beta Derivative in Nonlinear Optics. Journal of Advanced Physics, 2018, 7, 224-229.	0.4	1
526	Numerical solutions to the 1-D Burgers's equation by a cubic Hermite finite element method. Indian Journal of Physics, 2022, 96, 3831-3836.	1.8	1
527	Optical solitons of (3 + 1) dimensional and coupled nonlinear Schrodinger equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	1
528	New quasi uniformly accelerated motion with hidden quasi momentum. Journal of Ocean Engineering and Science, 2022, , .	4.3	1
529	Numerical approximations and conservation laws for the Sine-Gordon equation. Journal of Geometry and Physics, 2022, 178, 104556.	1.4	1
530	An Improved Solar Cooling System for Date Safety and Storage under Climate of the Maghreb. International Journal of Photoenergy, 2022, 2022, 1-14.	2.5	1
531	On new explicit solutions for solving Atangana conformable Biswas-Milovic equation with parabolic law nonlinearity in nonlinear optics. Results in Physics, 2022, 40, 105760.	4.1	1
532	On exact solutions of some higher-dimensional nonlinear partial differential equations. International Journal of Computer Mathematics, 2005, 82, 743-754.	1.8	0
533	New compact and noncompact structures of the nonlinearly dispersive Boussinesq equations. Applied Mathematics and Computation, 2007, 189, 528-540.	2.2	0
534	A Comparison between Adomian Decomposition and Tau Methods. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	0
535	Some applications of the Reproducing Kernel Method (RKM) and the Group Preserving Scheme (GPS). AIP Conference Proceedings, 2017, , .	0.4	0
536	Reproducing kernel functions for the generalized Kuramoto-Sivashinsky equation. ITM Web of Conferences, 2018, 22, 01028.	0.5	0
537	Approximate Solutions of Two-Dimensional Burgers' and Coupled Burgers' Equations by Residual Power Series Method. ITM Web of Conferences, 2018, 22, 01044.	0.5	0
538	Some applications of the novel numerical methods. AIP Conference Proceedings, 2018, , .	0.4	0
539	A coupling technique based on method of line and group preserving scheme for solving the nonlinear wave equation. Journal of Information and Optimization Sciences, 2021, 42, 579-589.	0.3	0
540	Convergence Results for Total Asymptotically Nonexpansive Monotone Mappings in Modular Function Spaces. Journal of Function Spaces, 2021, 2021, 1-7.	0.9	0

#	ARTICLE	IF	CITATIONS
541	A New Variant of B-Spline for the Solution of Modified Fractional Anomalous Subdiffusion Equation. Journal of Function Spaces, 2021, 2021, 1-8.	0.9	0
542	A new geometric modeling of modified magnetic particles with the energy flow and power. International Journal of Geometric Methods in Modern Physics, 2021, 18, .	2.0	0
543	New approach for propagated light with optical solitons by optical fiber in pseudohyperbolic space \mathbb{H}_2 . Mathematical Methods in the Applied Sciences, 2023, 46, 8263-8274.	2.3	0
544	Inequalities on Generalized Sasakian Space Forms. Journal of Function Spaces, 2021, 2021, 1-6.	0.9	0
545	Multi-waves interaction and optical solitons for Heisenberg models of fractal order. Indian Journal of Physics, 0, , 1.	1.8	0
546	Kortewegâ€“de Vries Equation (KdV), Some Numerical Methods for Solving the. , 2012, , 908-923.		0
547	Nonlinear Self-Adjointness and Nonclassical Solutions of a Population Model with Variable Coefficients. Journal of Advanced Physics, 2018, 7, 103-109.	0.4	0
548	Classifications of Soliton Solutions of the Generalized Benjamin-Bona-Mahony Equation with Power-Law Nonlinearity. Journal of Advanced Physics, 2018, 7, 130-134.	0.4	0
549	Single and combined soliton solutions to a system of coupled nonlinear SchrÃ¶dinger type equations by using two analytical approaches. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 128-135.	0.2	0
550	Invariant Investigation and Exact Solutions of Some Differential Equations with Conformable Derivatives. Journal of Advanced Physics, 2018, 7, 336-341.	0.4	0
551	A numerical method for fractional Biswas-Milovic equation with $m = 4$. Journal of Coupled Systems and Multiscale Dynamics, 2018, 6, 228-232.	0.2	0
552	Evolution of Plane Curves via Lie Symmetry Analysis in the Galilean Plane. Advances in Dynamics, Patterns, Cognition, 2020, , 213-226.	0.3	0
553	On multiple soliton solutions of the extended (3+1)-dimensional Jimbo-Miwa Equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	0
554	Lower and Upper Bounds of Fractional Metric Dimension of Connected Networks. Fractal and Fractional, 2021, 5, 276.	3.3	0
555	A novel approach of numerical optimization for control theory problems based on generalization of Gigena's method. Asian Journal of Control, 0, , .	3.0	0