Mustafa Inc

List of Publications by Year
in descending order

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555	12,095	41344	85541
papers	citations	49 h-index	71 g-index

556	556	556	2785
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical simulations for the predatorâ€“prey model as a prototype of an excitable system. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	3
2	Analysis of fractional COVIDâ€19 epidemic model under Caputo operator. Mathematical Methods in the Applied Sciences, 2023, 46, 7944-7964.	2.3	21
3	New approach for propagated light with optical solitons by optical fiber in pseudohyperbolic space â„02. Mathematical Methods in the Applied Sciences, 2023, 46, 8263-8274.	2.3	0
4	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
5	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
6	New optical solitons for complex Ginzburgâ€“Landau equation with beta derivatives via two integration algorithms. Indian Journal of Physics, 2022, 96, 2093-2105.	1.8	5
7	A solution of coupled nonlinear differential equations arising in a rotating micropolar nanofluid flow system by Hermite wavelet technique. Engineering With Computers, 2022, 38, 3351-3372.	6.1	13
8	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
9	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
10	NUMERICAL SOLUTION OF TRAVELING WAVES IN CHEMICAL KINETICS: TIME-FRACTIONAL FISHERS EQUATIONS. Fractals, 2022, 30, .	3.7	196
11	Stability analysis of timeâ€fractional differential equations with initial data. Mathematical Methods in the Applied Sciences, 2022, 45, 402-410.	2.3	2
12	The new soliton solutions for long and short-wave interaction system. Journal of Ocean Engineering and Science, 2022, 7, 485-491.	4.3	11
13	Brownian motion effects on W-shaped soliton and modulation instability gain of the (2+1)-dimensional nonlinear schrÃ¶dinger equation. Optical and Quantum Electronics, 2022, 54, 1.	3.3	2
14	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
15	Analytical solutions to the fractional Lakshmananâ€“Porsezianâ€“Daniel model. Optical and Quantum Electronics, 2022, 54, 1.	3.3	15
16	Envelope solitons of the nonlinear discrete vertical dust grain oscillation in dusty plasma crystals. Chaos, Solitons and Fractals, 2022, 155, 111640.	5.1	17
17	New solutions for the generalized resonant nonlinear SchrÃ¶dinger equation. Results in Physics, 2022, 33, 105153.	4.1	48
18	A Multiple Fixed Point Result for <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mfenced open="(" close=")"> <mrow> <mi>Î¸</mi> <mo>,</mo> <mi>Ï•</mi> <mo>,</mo> <mi>Ï‰</mi> </mrow> </mfenced> </math>-Type Contractions in the Partially Ordered <math xmlns="htt. Journal of Function Spaces, 2022, 2022, 1-10.	0.9	2

#	Article	IF	Citations
19	New soliton solutions of Heisenberg ferromagnetic spin chain model. Pramana - Journal of Physics, 2022, 96, 1.	1.8	16
20	Sundry optical solitons and modulational instability in Sasa-Satsuma model. Optical and Quantum Electronics, 2022, 54, 1.	3.3	9
21	Numerical investigation of ohmically dissipated mixed convective flow. Case Studies in Thermal Engineering, 2022, 31, 101809.	5.7	8
22	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
23	New Optical Solitons for Time Fractional Coupled Zakharov Equations. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	6
24	Fractional-order dynamics of human papillomavirus. Results in Physics, 2022, 34, 105281.	4.1	10
25	Exact analytical wave solutions for space-time variable-order fractional modified equal width equation. Results in Physics, 2022, 33, 105216.	4.1	14
26	New perturbed conformable Boussinesq-like equation: Soliton and other solutions. Results in Physics, 2022, 33, 105200.	4.1	42
27	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
28	Computational Simulations; Abundant Optical Wave Solutions Atangana Conformable Fractional Nonlinear SchrÃ¶dinger Equation. Advances in Mathematical Physics, 2022, 2022, 1-13.	0.8	6
29	On the structure of unsteady korteweg-de vries model arising in shallow water. Journal of Ocean Engineering and Science, 2022, , .	4.3	2
30	Propagation of some new traveling wave patterns of the double dispersive equation. Open Physics, 2022, 20, 130-141.	1.7	7
31	Computational techniques to study the dynamics of generalized unstable nonlinear SchrÃ¶dinger equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	48
32	Numerical solutions to the 1-D Burgersâ€™ equation by a cubic Hermite finite element method. Indian Journal of Physics, 2022, 96, 3831-3836.	1.8	1
33	A comparative study about the propagation of water waves with fractional operators. Journal of Ocean Engineering and Science, 2022, , .	4.3	5
34	Dynamical behaviour of Chiral nonlinear SchrÃ¶dinger equation. Optical and Quantum Electronics, 2022, 54, 1.	3.3	55
35	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
36	Optical solitons of (3â€‰+â€‰1) dimensional and coupled nonlinear Schrodinger equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	24

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37	Investigation for soliton solutions with some coupled equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	4
38	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
39	Optical solitons of (3 + 1) dimensional and coupled nonlinear Schrodinger equations. Optical and Quantum Electronics, 2022, 54, 1.	3.3	1
40	New solutions to the generalized (2+1)-D Boitiâ€“Leonâ€“Pempinelli equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	5
41	Manakov model of coupled NLS equationÂand its optical soliton solutions. Journal of Ocean Engineering and Science, 2022, , .	4.3	11
42	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
43	New quasi uniformly accelerated motion with hidden quasi momentum. Journal of Ocean Engineering and Science, 2022, , .	4.3	1
44	On multiple soliton solutions of the extended (3+1)-dimensional Jimbo-Miwa Equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	0
45	Exact soliton solutions to the Cahnâ€“Allen equation and Predatorâ€“Prey model with truncated M-fractional derivative. Results in Physics, 2022, 37, 105455.	4.1	24
46	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
47	Analytical solutions of the fifth-order time fractional nonlinear evolution equations by the unified method. Modern Physics Letters B, 2022, 36, .	1.9	12
48	Adequate soliton solutions to the spaceâ€“time fractional telegraph equation and modified third-order KdV equation through a reliable technique. Optical and Quantum Electronics, 2022, 54, 1.	3.3	20
49	Discrete breathers incited by the intra-dimers parameter in microtubulin protofilament array. European Physical Journal Plus, 2022, 137, 1.	2.6	12
50	Extended exp (-Ï† (Î¾))-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
51	Hermite multiwavelets representation for the sparse solution of nonlinear Abelâ€™s integral equation. Applied Mathematics and Computation, 2022, 427, 127171.	2.2	22
52	Transcendental surface wave to the symmetric regularized long-wave equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 439, 128123.	2.1	8
53	New hyperbolic and rational form solutions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 generalized Korteweg-de Vries model. Journal of Ocean Engineering and Science, 2022, , .		
54	Non-topological, topological and rogue wave Soliton solutions for Sharma Tasso Olver equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	5

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55	Diverse and novel soliton structures of coupled nonlinear SchrÃ¶dinger type equations through two competent techniques. Modern Physics Letters B, 2022, 36, .	1.9	15
56	Fractal fractional analysis of modified KdV equationÂunder three different kernels. Journal of Ocean Engineering and Science, 2022, , .	4.3	3
57	Novel exact and solitary solutions of conformable Kleinâ€“Gordon equationÂvia Sardar-subequation method. Journal of Ocean Engineering and Science, 2022, , .	4.3	12
58	Soliton solutions of some nonlinear evolution equations in shallow water theory. Results in Physics, 2022, 38, 105546.	4.1	3
59	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
60	Optical solitons of the Kudryashov Equation via an analytical technique. Optical and Quantum Electronics, 2022, 54, 1.	3.3	9
61	Explicit solutions of higher dimensional Burgerâ€™s equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	2
62	Modulated wave and modulation instability gain brought by the cross-phase modulation in birefringent fibers having anti-cubic nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 442, 128191.	2.1	32
63	Boundary value problem of Riemann-Liouville fractional differential equations in the variable exponent Lebesgue spaces L(.). Journal of Geometry and Physics, 2022, 178, 104554.	1.4	2
64	Numerical solution and mathematical modelling of mass transport from medicated stent. Physica Scripta, 2022, 97, 065709.	2.5	2
65	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
66	Study on the existence and nonexistence of solutions for a class of nonlinear ErdÃ©lyi-Kober type fractional differential equation on unbounded domain. Journal of Geometry and Physics, 2022, 178, 104546.	1.4	5
67	Numerical approximations and conservation laws for the Sine-Gordon equation. Journal of Geometry and Physics, 2022, 178, 104556.	1.4	1
68	Breather-like soliton, M-shaped profile, W-shaped profile, and modulation instability conducted by self-frequency shift of the nonlinear SchrÃ¶dinger equation. Journal of Computational Electronics, 2022, 21, 733-743.	2.5	4
69	Analytical study of nonlinear water wave equations for their fractional solution structures. Modern Physics Letters B, 2022, 36, .	1.9	7
70	Analysis and Simulation of Fractional Order Smoking Epidemic Model. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-16.	1.3	10
71	On soliton solutions for perturbed Fokasâ€“Lenells equation. Optical and Quantum Electronics, 2022, 54, .	3.3	17
72	New exact solutions for the reaction-diffusion equationÂin mathematical physics. Journal of Ocean Engineering and Science, 2022, , .	4.3	6

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73	Optical solitons to the Kunduâ€“Mukherjeeâ€“Naskar equation in (2+1)-dimensional form via two analytical techniques. Journal of Laser Applications, 2022, 34, .	1.7	3
74	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
75	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
76	Investigation of pure-cubic optical solitons in nonlinear optics. Optical and Quantum Electronics, 2022, 54, .	3.3	20
77	Consistent travelling waves solutions to the non-linear time fractional Kleinâ€“Gordon and Sine-Gordon equations through extended tanh-function approach. Journal of Taibah University for Science, 2022, 16, 594-607.	2.5	19
78	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
79	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
80	Cubic splines solutions of the higher order boundary value problems arise in sandwich panel theory. Results in Physics, 2022, 39, 105726.	4.1	13
81	W-shaped profile and breather-like soliton of the fractional nonlinear SchrÃ¶dinger equation describing the polarization mode in optical fibers. Optical and Quantum Electronics, 2022, 54, .	3.3	9
82	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
83	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
84	Dynamical behaviours of the (3+1)-dimensional Kadomtsevâ€“Petviashvili equation describing the dispersive waves. Optical and Quantum Electronics, 2022, 54, .	3.3	2
85	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
86	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
87	Fractional modeling of temperature dynamics of a building with singular kernels. Chaos, Solitons and Fractals, 2021, 142, 110482.	5.1	23
88	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
89	Some numerical solutions of local fractional tricomi equation in fractal transonic flow. AEJ - Alexandria Engineering Journal, 2021, 60, 1147-1153.	6.4	13
90	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

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91	Gaussian radial basis functions method for linear and nonlinear convectionâ€“diffusion models in physical phenomena. Open Physics, 2021, 19, 69-76.	1.7	35
92	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
93	Mild solutions of a fractional partial differential equation with noise. Mathematical Methods in the Applied Sciences, 2021, 44, 5648-5662.	2.3	3
94	Computational fluid dynamic simulations and heat transfer characteristic comparisons of various arc-baffled channels. Open Physics, 2021, 19, 51-60.	1.7	9
95	$ 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
96	Numerical simulation of 3-D fractional-order convection-diffusion PDE by a local meshless method. Thermal Science, 2021, 25, 347-358.	1.1	27
97	Modeling of pressureâ€“volume controlled artificial respiration with local derivatives. Advances in Difference Equations, 2021, 2021, 49.	3.5	7
98	Mathematical modeling of pine wilt disease with Caputo fractional operator. Chaos, Solitons and Fractals, 2021, 143, 110569.	5.1	62
99	Computing wave solutions and conservation laws of conformable time-fractional Gardner and Benjaminâ€“Ono equations. Pramana - Journal of Physics, 2021, 95, 1.	1.8	15
100	Thermosolutal natural convection across an inclined square enclosure partially filled with a porous medium. Results in Physics, 2021, 21, 103821.	4.1	7
101	Fractional methicillin-resistant Staphylococcus aureus infection model under Caputo operator. Journal of Applied Mathematics and Computing, 2021, 67, 755-783.	2.5	22
102	Quasi binormal Schrodinger evolution of wave polarizatÄ±on field of light wÄ±th repulsive type. Physica Scripta, 2021, 96, 045104.	2.5	19
103	New solitary wave solutions to the coupled Maccariâ€™s system. Results in Physics, 2021, 21, 103801.	4.1	35
104	Improved Heat Transfer in W-Baffled Air-Heat Exchangers with Upper-Inlet and Lower-Exit. Mathematical Modelling of Engineering Problems, 2021, 8, 1-9.	0.5	8
105	On mathematical analysis of a discrete electrical lattice with nonlinear dispersion. International Journal of Modern Physics B, 2021, 35, 2150076.	2.0	6
106	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
107	Invariance Analysis, Exact Solution and Conservation Laws of (2 + 1) Dim Fractional Kadomtsev-Petviashvili (KP) System. Symmetry, 2021, 13, 477.	2.2	22
108	Dynamic behaviors for a (2 + 1)-dimensional inhomogenous Heisenberg ferromagnetic spin chain system. Modern Physics Letters B, 2021, 35, 2150251.	1.9	2

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109	Lie-BÃcklund symmetries, analytical solutions and conservation laws to the more general (2Â+Â1)-dimensional Boussinesq equation. Results in Physics, 2021, 22, 103850.	4.1	17
110	Analytical survey of the predatorâ€“prey model with fractional derivative order. AIP Advances, 2021, 11, .	1.3	19
111	Approximate Numerical solutions for the nonlinear dispersive shallow water waves as the Fornbergâ€“Whitham model equations. Results in Physics, 2021, 22, 103907.	4.1	15
112	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
113	Analysis of novel fractional COVID-19 model with real-life data application. Results in Physics, 2021, 23, 103968.	4.1	21
114	Analysis of fractionalâ€•order nonlinear dynamic systems under Caputo differential operator. Mathematical Methods in the Applied Sciences, 2021, 44, 10861-10880.	2.3	3
115	Experimental Study of the Efficiency of a Solar Water Heater Construction from Recycled Plastic Bottles. International Journal of Design and Nature and Ecodynamics, 2021, 16, 121-126.	0.5	2
116	A Novel Numerical Method for Computing Subdivision Depth of Quaternary Schemes. Mathematics, 2021, 9, 809.	2.2	3
117	Enhanced Heat Transfer by Oil/Multi-Walled Carbon Nano-Tubes Nanofluid. Annales De Chimie: Science Des Materiaux, 2021, 45, 93-103.	0.4	5
118	The Comparative Study for Solving Fractional-Order Fornbergâ€“Whitham Equation via Ï•Laplace Transform. Symmetry, 2021, 13, 784.	2.2	33
119	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
120	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
121	Chirped solitary waves of the perturbed Chenâ€“Leeâ€“Liu equation and modulation instability in optical monomode fibres. Optical and Quantum Electronics, 2021, 53, 1.	3.3	18
122	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
123	The M-fractional improved perturbed nonlinear SchrÃ¶dinger equation: Optical solitons and modulation instability analysis. International Journal of Modern Physics B, 2021, 35, 2150121.	2.0	8
124	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
125	New wave surfaces and bifurcation of nonlinear periodic waves for Gilson-Pickering equation. Results in Physics, 2021, 24, 104192.	4.1	21
126	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

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127	Investigation of numerical solutions of fractional generalized reguralized long wave equations by least squares-residual power series method. Physica Scripta, 2021, 96, 094005.	2.5	2
128	New Explicit Solutions to the Fractional-Order Burgersâ€™ Equation. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	10
129	Computation of complex fields of perturbed $$(2+1)$$-dimensional SchrÃ¶dingerâ€™s hyperbolic equation. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
130	Dynamics of five grade leishmania epidemic model using fractional operator with Mittagâ€“Leffler kernel. Chaos, Solitons and Fractals, 2021, 147, 110985.	5.1	32
131	Numerical comparison of Caputo and Conformable derivatives of time fractional Burgers-Fisher equation. Results in Physics, 2021, 25, 104247.	4.1	13
132	Optical soliton with Kudryashovâ€™s equation via sine-Gordon expansion and Kudryashov methods. Optical and Quantum Electronics, 2021, 53, 1.	3.3	28
133	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
134	Abundant optical soliton solutions for an integrable<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si12.svg"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (linebreak="badbreak">+<	4.1	51
135	SchrÃ¶dinger system. Results in Physics, 2021, 25, 104177. Enhanced Outdoor Thermal Comfort Through Natural Design Technique: In-Situ Measurement and Microclimate Simulation. Instrumentation Mesure Metrologie, 2021, 20, 131-136.	0.3	3
136	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
137	The solitary wave solutions to the Kleinâ€“Gordonâ€“Zakharov equations by extended rational methods. AIP Advances, 2021, 11, 065218.	1.3	4
138	Soliton solutions to the Boussinesq equation through sine-Gordon method and Kudryashov method. Results in Physics, 2021, 25, 104228.	4.1	117
139	Abundant Explicit Solutions to Fractional Order Nonlinear Evolution Equations. Mathematical Problems in Engineering, 2021, 2021, 1-16.	1.1	8
140	Analytical solutions of nonlinear time fractional evaluation equations via unified method with different derivatives and their comparison. Results in Physics, 2021, 26, 104357.	4.1	13
141	Existence of Solutions for a Singular Fractional q-Differential Equations under Riemannâ€“Liouville Integral Boundary Condition. Symmetry, 2021, 13, 1235.	2.2	20
142	Fractional soliton dynamics of electrical microtubule transmission line model with local M-derivative. Communications in Theoretical Physics, 2021, 73, 095002.	2.5	12
143	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
144	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

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145	Cubic spline based differential quadrature method: A numerical approach for fractional Burger equation. Results in Physics, 2021, 26, 104415.	4.1	12
146	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
147	Solitary waves and modulation instability with the influence of fractional derivative order in nonlinear left-handed transmission line. Optical and Quantum Electronics, 2021, 53, 1.	3.3	2
148	Convergence Results for Total Asymptotically Nonexpansive Monotone Mappings in Modular Function Spaces. Journal of Function Spaces, 2021, 2021, 1-7.	0.9	0
149	Optical solitons to the nonlinear SchrÃ¶dinger equation in metamaterials and modulation instability. European Physical Journal Plus, 2021, 136, 1.	2.6	17
150	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
151	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
152	Modeling the dynamics of novel coronavirus (COVID-19) via stochastic epidemic model. AEJ - Alexandria Engineering Journal, 2021, 60, 4121-4130.	6.4	33
153	Optical and W-shaped bright solitons of the conformable derivative nonlinear differential equation. Journal of Computational Electronics, 2021, 20, 1739-1759.	2.5	1
154	A mathematical modelling of a Atherosclerosis intimation with Atangana-Baleanu fractional derivative in terms of memory function. Results in Physics, 2021, 27, 104425.	4.1	8
155	Bifurcation of new optical solitary wave solutions for the nonlinear long-short wave interaction system via two improved models of $$(rac{G'}{G})$$ expansion method. Optical and Quantum Electronics, 2021, 53, 1.	3.3	16
156	The fractional comparative study of the non-linear directional couplers in non-linear optics. Results in Physics, 2021, 27, 104459.	4.1	25
157	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
158	Nonclassical Lie symmetry and conservation laws of the nonlinear time-fractional Kortewegâ€“de Vries equation. Communications in Theoretical Physics, 2021, 73, 095006.	2.5	8
159	Boundary value problem for nonlinear fractional differential equations of variable order via Kuratowski MNC technique. Advances in Difference Equations, 2021, 2021, .	3.5	13
160	Explicit wave phenomena to the couple type fractional order nonlinear evolution equations. Results in Physics, 2021, 28, 104597.	4.1	16
161	Multiâ€“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
162	W-shape bright and several other solutions to the (3+1)-dimensional nonlinear evolution equations. Modern Physics Letters B, 2021, 35, .	1.9	34

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163	Extension of the sine-Gordon expansion scheme and parametric effect analysis for higher-dimensional nonlinear evolution equations. Journal of King Saud University - Science, 2021, 33, 101515.	3.5	13
164	Solution of fractional-order Korteweg-de Vries and Burgersâ€™ equations utilizing local meshless method. Journal of Ocean Engineering and Science, 2021, , .	4.3	28
165	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
166	Symmetry reductions and invariant-group solutions for a two-dimensional Kunduâ€“Mukherjeeâ€“Naskar model. Results in Physics, 2021, 28, 104583.	4.1	11
167	Influence of fractional time order on W-shaped and Modulation Instability gain in fractional Nonlinear SchrÃ¶dinger Equation. Results in Physics, 2021, 28, 104556.	4.1	13
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