Abdullahi Yusuf

List of Publications by Year
in descending order

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189	5,649	66234	128067
papers	citations	42 h-index	60 g-index

192	192	192	1692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fractional modeling of blood ethanol concentration system with real data application. Chaos, 2019, 29, 013143.	1.0	162
2	Modeling chickenpox disease with fractional derivatives: From caputo to atangana-baleanu. Chaos, Solitons and Fractals, 2019, 122, 111-118.	2.5	161
3	Soliton solutions and conservation laws for lossy nonlinear transmission line equation. Superlattices and Microstructures, 2017, 107, 320-336.	1.4	117
4	Fractional derivatives applied to MSEIR problems: Comparative study with real world data. European Physical Journal Plus, 2019, 134, 1.	1.2	110
5	A new fractional HRSV model and its optimal control: A non-singular operator approach. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 123860.	1.2	109
6	Two-strain epidemic model involving fractional derivative with Mittag-Leffler kernel. Chaos, 2018, 28, 123121.	1.0	99
7	The new exact solitary wave solutions and stability analysis for the (2 + 1) $(2+1)$ -dimensional Zakharovâ€“Kuznetsov equation. Advances in Difference Equations, 2019, 2019, .	3.5	95
8	Time-fractional Cahnâ€“Allen and time-fractional Kleinâ€“Gordon equations: Lie symmetry analysis, explicit solutions and convergence analysis. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 94-106.	1.2	91
9	A mathematical model of Coronavirus Disease (COVID-19) containing asymptomatic and symptomatic classes. Results in Physics, 2021, 21, 103776.	2.0	91
10	Optical and other solitons for the fourth-order dispersive nonlinear SchrÃ¶dinger equation with dual-power law nonlinearity. Superlattices and Microstructures, 2017, 105, 183-197.	1.4	90
11	Lie symmetry analysis, exact solutions and conservation laws for the time fractional Caudreyâ€“Doddâ€“Gibbonâ€“Sawadaâ€“Kotera equation. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 222-234.	1.7	88
12	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. Infectious Disease Modelling, 2021, 6, 448-460.	1.2	83
13	A new mathematical model of COVID-19 using real data from Pakistan. Results in Physics, 2021, 24, 104098.	2.0	82
14	Different wave structures and stability analysis for the generalized (2+1)-dimensional Camassaâ€“Holmâ€“Kadomtsevâ€“Petviashvili equation. Physica Scripta, 2020, 95, 035229.	1.2	74
15	Delayed hepatitis B epidemic model with stochastic analysis. Chaos, Solitons and Fractals, 2021, 146, 110839.	2.5	74
16	Analysis of Caputo fractional-order model for COVID-19 with lockdown. Advances in Difference Equations, 2020, 2020, 394.	3.5	74
17	Optical Solitons Possessing Beta Derivative of the Chen-Lee-Liu Equation in Optical Fibers. Frontiers in Physics, 2019, 7, .	1.0	68
18	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.	1.2	66

#	Article	IF	Citations
19	The SchrÃ¶dinger-KdV equation of fractional order with Mittag-Leffler nonsingular kernel. AEJ - Alexandria Engineering Journal, 2021, 60, 2715-2724.	3.4	64
20	Mathematical modeling of pine wilt disease with Caputo fractional operator. Chaos, Solitons and Fractals, 2021, 143, 110569.	2.5	62
21	Dynamics of solitons to the ill-posed Boussinesq equation. European Physical Journal Plus, 2017, 132, 1.	1.2	60
22	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.	1.4	60
23	Mathematical modeling for the impacts of deforestation on wildlife species using Caputo differential operator. Chaos, Solitons and Fractals, 2019, 126, 32-40.	2.5	60
24	Dynamics of lump collision phenomena to the (3+1)-dimensional nonlinear evolution equation. Journal of Geometry and Physics, 2021, 169, 104347.	0.7	57
25	On three-dimensional variable order time fractional chaotic system with nonsingular kernel. Chaos, Solitons and Fractals, 2020, 133, 109628.	2.5	54
26	Lie symmetry analysis, exact solutions and conservation laws for the time fractional modified Zakharovâ€“Kuznetsov equation. Nonlinear Analysis: Modelling and Control, 2017, 22, 861-876.	1.1	53
27	Solitons and conservation laws to the resonance nonlinear ShrÃ¶dinger's equation with both spatio-temporal and inter-modal dispersions. Optik, 2017, 142, 509-522.	1.4	52
28	Optical solitary waves, conservation laws and modulation instability analysis to the nonlinear SchrÃ¶dinger's equation in compressional dispersive AlvÃ¨n waves. Optik, 2018, 155, 257-266.	1.4	52
29	New solitary wave solutions and conservation laws to the Kudryashovâ€“Sinelshchikov equation. Optik, 2017, 142, 665-673.	1.4	51
30	Dynamics of optical solitons and nonautonomous complex wave solutions to the nonlinear Schrodinger equation with variable coefficients. Nonlinear Dynamics, 2021, 104, 639-648.	2.7	51
31	A fractional model of vertical transmission and cure of vector-borne diseases pertaining to the Atanganaâ€“Baleanu fractional derivatives. Chaos, Solitons and Fractals, 2018, 116, 268-277.	2.5	50
32	Transmission dynamics of varicella zoster virus modeled by classical and novel fractional operators using real statistical data. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122149.	1.2	50
33	Mathematical model to assess the imposition of lockdown during COVID-19 pandemic. Results in Physics, 2021, 20, 103716.	2.0	50
34	Time Fractional Third-Order Evolution Equation: Symmetry Analysis, Explicit Solutions, and Conservation Laws. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	0.7	49
35	Optical solitons, nonlinear self-adjointness and conservation laws for Kunduâ€“Eckhaus equation. Chinese Journal of Physics, 2017, 55, 2341-2355.	2.0	48
36	Dual-wave solutions for the quadraticâ€“cubic conformable-Caputo time-fractional Kleinâ€“Fockâ€“Gordon equation. Mathematics and Computers in Simulation, 2021, 185, 62-76.	2.4	48

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37	Heart-cusp and bell-shaped-cusp optical solitons for an extended two-mode version of the complex Hirota model: application in optics. Optical and Quantum Electronics, 2021, 53, 1.	1.5	47
38	Dark optical, singular solitons and conservation laws to the nonlinear SchrÃ¶dingerâ€™s equation with spatio-temporal dispersion. Modern Physics Letters B, 2017, 31, 1750163.	1.0	45
39	Optical Solitons With M-Truncated and Beta Derivatives in Nonlinear Optics. Frontiers in Physics, 2019, 7, .	1.0	45
40	An epidemic prediction from analysis of a combined HIV-COVID-19 co-infection model via ABC-fractional operator. AEJ - Alexandria Engineering Journal, 2021, 60, 2979-2995.	3.4	45
41	Breather wave, lump-periodic solutions and some other interaction phenomena to the Caudreyâ€“Doddâ€“Gibbon equation. European Physical Journal Plus, 2020, 135, 1.	1.2	44
42	New lump, lump-kink, breather waves and other interaction solutions to the (3+1)-dimensional soliton equation. Communications in Theoretical Physics, 2020, 72, 085004.	1.1	44
43	Investigation of the logarithmic-KdV equation involving Mittag-Leffler type kernel with Atanganaâ€“Baleanu derivative. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 520-531.	1.2	43
44	Lie symmetry analysis and explicit solutions for the time fractional generalized Burgersâ€“Huxley equation. Optical and Quantum Electronics, 2018, 50, 1.	1.5	43
45	Optical solitons for Biswas-Milovic Model in nonlinear optics by Sine-Gordon equation method. Optik, 2018, 157, 267-274.	1.4	43
46	Stability analysis and optimal control of covid-19 with convex incidence rate in Khyber Pakhtunkhawa (Pakistan). Results in Physics, 2021, 20, 103703.	2.0	43
47	The analytical solutions of Zoomeron equation via extended rational sin-cos and sinh-cosh methods. Physica Scripta, 2021, 96, 094002.	1.2	43
48	Optical solitons to the resonance nonlinear SchrÃ¶dinger equation by Sine-Gordon equation method. Superlattices and Microstructures, 2018, 113, 541-549.	1.4	42
49	Optical solitons for complex Ginzburgâ€“Landau model in nonlinear optics. Optik, 2018, 158, 368-375.	1.4	41
50	Soliton solutions and stability analysis for some conformable nonlinear partial differential equations in mathematical physics. Optical and Quantum Electronics, 2018, 50, 1.	1.5	40
51	Optical solitons to the nonlinear ShrÃ¶dingerâ€™s equation with spatio-temporal dispersion using complex amplitude ansatz. Journal of Modern Optics, 2017, 64, 2273-2280.	0.6	40
52	Optical soliton solutions for the higher-order dispersive cubic-quintic nonlinear SchrÃ¶dinger equation. Superlattices and Microstructures, 2017, 112, 164-179.	1.4	39
53	Optical Soliton Solutions to Chen Lee Liu model by the modified extended tanh expansion scheme. Optik, 2021, 245, 167643.	1.4	39
54	Optical solitons of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e311" altimg="si3.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biswasâ€“Milovic equation using modified extended<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e325" altimg="si4.svg"><mml:	1.4	39

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55	Dispersive optical solitons and modulation instability analysis of SchrÃ¶dinger-Hirota equation with spatio-temporal dispersion and Kerr law nonlinearity. Superlattices and Microstructures, 2018, 113, 319-327.	1.4	37
56	An effective computational method to deal with a time-fractional nonlinear water wave equation in the Caputo sense. Mathematics and Computers in Simulation, 2021, 187, 248-260.	2.4	37
57	Dark and singular optical solitons for the conformable space-time nonlinear SchrÃ¶dinger equation with Kerr and power law nonlinearity. Optik, 2018, 162, 65-75.	1.4	36
58	Combined optical solitary waves and conservation laws for nonlinear Chenâ€“Leeâ€“Liu equation in optical fibers. Optik, 2018, 158, 297-304.	1.4	36
59	Symmetry Analysis, Explicit Solutions, and Conservation Laws of a Sixth-Order Nonlinear Ramani Equation. Symmetry, 2018, 10, 341.	1.1	36
60	Dark optical solitons and conservation laws to the resonance nonlinear ShrÃ¶dinger's equation with Kerr law nonlinearity. Optik, 2017, 147, 248-255.	1.4	35
61	Synchronization of a Non-Equilibrium Four-Dimensional Chaotic System Using a Disturbance-Observer-Based Adaptive Terminal Sliding Mode Control Method. Entropy, 2020, 22, 271.	1.1	35
62	Mathematical modeling for adsorption process of dye removal nonlinear equation using power law and exponentially decaying kernels. Chaos, 2020, 30, 043106.	1.0	35
63	New solitary wave solutions and stability analysis of the Benney-Luke and the Phi-4 equations in mathematical physics. AIMS Mathematics, 2019, 4, 1523-1539.	0.7	35
64	Traveling wave solutions and conservation laws of some fifth-order nonlinear equations. European Physical Journal Plus, 2017, 132, 1.	1.2	34
65	Novel optical solitary waves and modulation instability analysis for the coupled nonlinear SchrÃ¶dinger equation in monomode step-index optical fibers. Superlattices and Microstructures, 2018, 113, 745-753.	1.4	34
66	Optical solitons and other solutions to the Radhakrishnan-Kundu-Lakshmanan equation. Optik, 2021, 242, 167363.	1.4	34
67	Nonautonomous complex wave solutions to the (2+1)-dimensional variable-coefficients nonlinear Chiral SchrÃ¶dinger equation. Results in Physics, 2020, 19, 103604.	2.0	34
68	Space-time fractional Rosenou-Haynam equation: Lie symmetry analysis, explicit solutions and conservation laws. Advances in Difference Equations, 2018, 2018, .	3.5	33
69	Fractional time-delay mathematical modeling of Oncolytic Virotherapy. Chaos, Solitons and Fractals, 2021, 150, 111123.	2.5	33
70	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.	1.0	32
71	Mathematical analysis for an autonomous financial dynamical system via classical and modern fractional operators. Chaos, Solitons and Fractals, 2020, 132, 109552.	2.5	32
72	Traveling wave solutions and conservation laws for nonlinear evolution equation. Journal of Mathematical Physics, 2018, 59, 023506.	0.5	31

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73	Soliton solutions, stability analysis and conservation laws for the brusselator reaction diffusion model with time- and constant-dependent coefficients. European Physical Journal Plus, 2018, 133, 1.	1.2	31
74	Efficiency of the new fractional derivative with nonsingular Mittag-Leffler kernel to some nonlinear partial differential equations. Chaos, Solitons and Fractals, 2018, 116, 220-226.	2.5	31
75	Lie symmetry analysis and conservation laws for the time fractional simplified modified Kawahara equation. Open Physics, 2018, 16, 302-310.	0.8	31
76	On the exact soliton solutions and different wave structures to the double dispersive equation. Optical and Quantum Electronics, 2022, 54, 1.	1.5	31
77	Complexiton and solitary wave solutions of the coupled nonlinear Maccariâ€™s system using two integration schemes. Modern Physics Letters B, 2018, 32, 1850014.	1.0	29
78	Dark-Bright Optical Soliton and Conserved Vectors to the Biswas-Arshed Equation With Third-Order Dispersions in the Absence of Self-Phase Modulation. Frontiers in Physics, 2019, 7, .	1.0	29
79	Fractional modeling for the spread of Hookworm infection under Caputo operator. Chaos, Solitons and Fractals, 2020, 137, 109878.	2.5	29
80	Kink-soliton, singular-kink-soliton and singular-periodic solutions for a new two-mode version of the Burgerâ€“Huxley model: applications in nerve fibers and liquid crystals. Optical and Quantum Electronics, 2021, 53, 1.	1.5	29
81	Fractional numerical dynamics for the logistic population growth model under Conformable Caputo: a case study with real observations. Physica Scripta, 2021, 96, 114002.	1.2	29
82	Fractional Modeling for Improving Scholastic Performance of Students with Optimal Control. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	28
83	Convex-rogue, half-kink, cusp-soliton and other bidirectional wave-solutions to the generalized Pochhammer-Chree equation. Physica Scripta, 2022, 97, 055203.	1.2	28
84	On the analytical optical soliton solutions of perturbed Radhakrishnanâ€“Kunduâ€“Lakshmanan model with Kerr law nonlinearity. Optical and Quantum Electronics, 2022, 54, .	1.5	26
85	Optical solitons, nonlinear self-adjointness and conservation laws for the cubic nonlinear ShrÃ¶dinger's equation with repulsive delta potential. Superlattices and Microstructures, 2017, 111, 546-555.	1.4	24
86	Soliton structures to some time-fractional nonlinear differential equations with conformable derivative. Optical and Quantum Electronics, 2018, 50, 1.	1.5	24
87	Control of a Symmetric Chaotic Supply Chain System Using a New Fixed-Time Super-Twisting Sliding Mode Technique Subject to Control Input Limitations. Symmetry, 2021, 13, 1257.	1.1	24
88	Optical solitons and other solutions to the Hirotaâ€“Maccari system with conformable, M-truncated and beta derivatives. Modern Physics Letters B, 2022, 36, .	1.0	24
89	Dark optical and other soliton solutions for the three different nonlinear SchrÃ¶dinger equations. Optical and Quantum Electronics, 2017, 49, 1.	1.5	23
90	Exact optical solitons of Radhakrishnanâ€“Kunduâ€“Lakshmanan equation with Kerr law nonlinearity. Modern Physics Letters B, 2019, 33, 1950061.	1.0	23

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91	Model of rice blast disease under tropical climate conditions. Chaos, Solitons and Fractals, 2021, 143, 110530.	2.5	23
92	Conservation laws, soliton-like and stability analysis for the time fractional dispersive long-wave equation. Advances in Difference Equations, 2018, 2018, .	3.5	22
93	Darkâ€“bright optical solitary waves and modulation instability analysis with (2 + 1)-dimensional cubic-quintic nonlinear SchrÃ¶dinger equation. Waves in Random and Complex Media, 2019, 29, 393-402.	1.6	22
94	Fractional methicillin-resistant Staphylococcus aureus infection model under Caputo operator. Journal of Applied Mathematics and Computing, 2021, 67, 755-783.	1.2	22
95	A Mathematical Model Analysis of Meningitis with Treatment and Vaccination in Fractional Derivatives. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	22
96	Optical solitons and modulation instability analysis with (3 + 1)-dimensional nonlinear ShrÃ¶dinger equation. Superlattices and Microstructures, 2017, 112, 296-302.	1.4	21
97	Optical solitons, conservation laws and modulation instability analysis for the modified nonlinear SchrÃ¶dingerâ€™s equation for Davydov solitons. Journal of Electromagnetic Waves and Applications, 2018, 32, 858-873.	1.0	21
98	Optimal system, nonlinear self-adjointness and conservation laws for generalized shallow water wave equation. Open Physics, 2018, 16, 364-370.	0.8	21
99	Dynamics of optical solitons, multipliers and conservation laws to the nonlinear schrÃ¶dinger equation in (2+1)-dimensions with non-Kerr law nonlinearity. Journal of Modern Optics, 2019, 66, 136-142.	0.6	21
100	Analysis of fractional COVIDâ€19 epidemic model under Caputo operator. Mathematical Methods in the Applied Sciences, 2023, 46, 7944-7964.	1.2	21
101	Analysis of novel fractional COVID-19 model with real-life data application. Results in Physics, 2021, 23, 103968.	2.0	21
102	A study on canine distemper virus (CDV) and rabies epidemics in the red fox population via fractional derivatives. Results in Physics, 2021, 25, 104281.	2.0	21
103	Fractional order of pneumococcal pneumonia infection model with Caputo Fabrizio operator. Results in Physics, 2021, 29, 104581.	2.0	21
104	Time fractional third-order variant Boussinesq system: Symmetry analysis, explicit solutions, conservation laws and numerical approximations. European Physical Journal Plus, 2018, 133, 1.	1.2	20
105	Invariant and simulation analysis to the time fractional Abrahamsâ€“Tsuneto reaction diffusion system. Physica Scripta, 2019, 94, 125005.	1.2	20
106	Dynamics of Lump-periodic, breather and two-wave solutions with the long wave in shallow water under gravity and 2D nonlinear lattice. Communications in Nonlinear Science and Numerical Simulation, 2021, 99, 105846.	1.7	20
107	On multiple soliton similaritonâ€pair solutions, conservation laws via multiplier and stability analysis for the Whithamâ€“Broerâ€“Kaup equations in weakly dispersive media. Mathematical Methods in the Applied Sciences, 2019, 42, 2455-2464.	1.2	19
108	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. Results in Physics, 2021, 26, 104290.	2.0	19

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109	Optical solitons and stability analysis with spatio-temporal dispersion in Kerr and quadric-cubic nonlinear media. Optik, 2019, 178, 923-931.	1.4	18
110	Soliton Solutions of $$(2+1)$$ Dimensional Heisenberg Ferromagnetic Spin Equation by the Extended Rational $$sine-cosine$$ and $$sinh-cosh$$ Method. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	18
111	Fractional optical solitons for the conformable spaceâ€“time nonlinear SchrÃ¶dinger equation with Kerr law nonlinearity. Optical and Quantum Electronics, 2018, 50, 1.	1.5	17
112	Symmetry analysis, exact solutions and numerical approximations for the space-time Carleman equation in nonlinear dynamical systems. European Physical Journal Plus, 2019, 134, 1.	1.2	17
113	Symmetry analysis, invariant subspace and conservation laws of the equation for fluid flow in porous media. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050173.	0.8	17
114	Lie-BÃcklund symmetries, analytical solutions and conservation laws to the more general (2Â+Â1)-dimensional Boussinesq equation. Results in Physics, 2021, 22, 103850.	2.0	17
115	A comparison of analytical solutions of nonlinear complex generalized Zakharov dynamical system for various definitions of the differential operator. Electronic Research Archive, 2022, 30, 335-361.	0.4	17
116	Breather waves, analytical solutions and conservation laws using Lieâ€“BÃcklund symmetries to the (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (altimg="si7.svg"><mr	1.7	17
117	Chaffeeâ€“Infante equation. Journal of Ocean Engineering and Science, 2023, 8, 145-151. On the classification of conservation laws and soliton solutions of the long short-wave interaction system. Modern Physics Letters B, 2018, 32, 1850202.	1.0	16
118	Stability analysis of five-grade Leishmania epidemic model with harmonic mean-type incidence rate. Advances in Difference Equations, 2021, 2021, .	3.5	16
119	Gray optical soliton, linear stability analysis and conservation laws via multipliers to the cubic nonlinear SchrÃ¶dinger equation. Optik, 2018, 164, 472-478.	1.4	15
120	Dark and combined optical solitons, and modulation instability analysis in dispersive metamaterial. Optik, 2018, 157, 484-491.	1.4	15
121	Optical solitary waves and conservation laws to the (2 + 1)-dimensional hyperbolic nonlinear SchrÃ¶dinger equation. Modern Physics Letters B, 2018, 32, 1850373.	1.0	15
122	A new third order convergent numerical solver for continuous dynamical systems. Journal of King Saud University - Science, 2020, 32, 1409-1416.	1.6	15
123	Mathematical Analysis of Oxygen Uptake Rate in Continuous Process under Caputo Derivative. Mathematics, 2021, 9, 675.	1.1	15
124	Numerical and theoretical analysis of Rabies model under the harmonic mean type incidence rate. Results in Physics, 2021, 29, 104652.	2.0	15
125	Optical and singular solitary waves to the PNLSE with third order dispersion in Kerr media via two integration approaches. Optik, 2018, 163, 142-151.	1.4	14
126	Optical solitons to the (n + 1)-dimensional nonlinear SchrÃ¶dingerâ€™s equation with Kerr law and power law nonlinearities using two integration schemes. Modern Physics Letters B, 2019, 33, 1950224.	1.0	14

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127	Modeling the effect of horizontal and vertical transmissions of HIV infection with Caputo fractional derivative. Chaos, Solitons and Fractals, 2021, 145, 110794.	2.5	14
128	Fractional order heroin epidemic dynamics. AEJ - Alexandria Engineering Journal, 2021, 60, 5157-5165.	3.4	14
129	Dynamics of lump-periodic and breather waves solutions with variable coefficients in liquid with gas bubbles. Waves in Random and Complex Media, 2023, 33, 1085-1098.	1.6	13
130	Impact of information intervention on stochastic hepatitis B model and its variable-order fractional network. European Physical Journal: Special Topics, 2022, 231, 1859-1873.	1.2	13
131	The investigation of soliton solutions and conservation laws to the coupled generalized SchrÃ¶dingerâ€“Boussinesq system. Waves in Random and Complex Media, 2019, 29, 77-92.	1.6	12
132	Stochastic optimal control analysis for the hepatitis B epidemic model. Results in Physics, 2021, 26, 104372.	2.0	12
133	Solitary wave solutions of chiral nonlinear SchrÃ¶dinger equations. Modern Physics Letters B, 0, , 2150472.	1.0	12
134	Dynamics of lump solutions to the variable coefficients (2+1)-dimensional Burger's and Chaffee-infante equations. Journal of Geometry and Physics, 2021, 168, 104315.	0.7	12
135	On the use of Mohand integral transform for solving fractional-order classical Caputo differential equations. Journal of Applied Mathematics and Computational Mechanics, 2020, 19, 99-109.	0.3	12
136	Optical solitons, explicit solutions and modulation instability analysis with second-order spatio-temporal dispersion. European Physical Journal Plus, 2017, 132, 1.	1.2	11
137	Optical Solitons and Stability Analysis in Ring-Cavity Fiber System with Carbon Nanotube as Saturable Absorber. Communications in Theoretical Physics, 2018, 70, 511.	1.1	11
138	Approximate solutions to the conformable Rosenauâ€Hyman equation using the twoâ€step Adomian decomposition method with Pad Ã© approximation. Mathematical Methods in the Applied Sciences, 2020, 43, 7632-7639.	1.2	11
139	New interaction and combined multi-wave solutions for the Heisenberg ferromagnetic spin chain equation. European Physical Journal Plus, 2020, 135, 1.	1.2	11
140	Extraction of new optical solitons and MI analysis to three coupled Grossâ€“Pitaevskii system in the spinor Boseâ€“Einstein condensate. Modern Physics Letters B, 2021, 35, 2150109.	1.0	11
141	Lump, its interaction phenomena and conservation laws to a nonlinear mathematical model. Journal of Ocean Engineering and Science, 2022, 7, 363-371.	1.7	11
142	Beta derivative applied to dark and singular optical solitons for the resonance perturbed NLSE. European Physical Journal Plus, 2019, 134, 1.	1.2	10
143	Symmetry reductions, explicit solutions, convergence analysis and conservation laws via multipliers approach to the Chenâ€“Leeâ€“Liu model in nonlinear optics. Modern Physics Letters B, 2019, 33, 1950035.	1.0	10
144	Lassa hemorrhagic fever model using new generalized Caputo-type fractional derivative operator. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 12, 2150055.	0.9	10

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145	On dark optical solitons of the space-time nonlinear SchrÃ¶dinger 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
146	The mathematical study of climate change model under nonlocal fractional derivative. Partial Differential Equations in Applied Mathematics, 2022, 5, 100204.	1.3	10
147	Solving the fractional Jaulentâ€“Miodek system via a modified Laplace decomposition method. Waves in Random and Complex Media, 0, , 1-14.	1.6	10
148	The M-fractional improved perturbed nonlinear SchrÃ¶dinger equation: Optical solitons and modulation instability analysis. International Journal of Modern Physics B, 2021, 35, 2150121.	1.0	8
149	Effect of an antiviral drug control and its variable order fractional network in host COVID-19 kinetics. European Physical Journal: Special Topics, 2022, 231, 1915-1929.	1.2	8
150	The beta generalized linear exponential distribution. Statistics, 2016, 50, 1346-1362.	0.3	7
151	Optical solitons with M-truncated derivative and conservation laws for NLSE equation which describe pseudospherical surfaces. Physica Scripta, 2020, 95, 035217.	1.2	7
152	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.	1.0	7
153	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
154	Families of exact solutions of Biswas-Milovic equation by an exponential rational function method. Tbilisi Mathematical Journal, 2020, 13, .	0.3	7
155	Analysis of meningitis model: A case study of northern Nigeria. AIMS Bioengineering, 2020, 7, 179-193.	0.6	7
156	A mathematical model for studying rape and its possible mode of control. Results in Physics, 2021, 22, 103917.	2.0	6
157	A Five Parameter Statistical Distribution with Application to Real Data. Journal of Statistics Applications and Probability, 2019, 8, 11-26.	0.5	6
158	Fractional dynamics and analysis for a lana fever infectious ailment with Caputo operator. Chaos, Solitons and Fractals, 2021, 153, 111605.	2.5	6
159	On group of Lie symmetry analysis, explicit series solutions and conservation laws for the time-fractional (2â€¯+â€¯1)-dimensional Zakharov-Kuznetsov (q,p,r) equation. Journal of Geometry and Physics, 2022, 176, 104512.	0.7	6
160	Grey and black optical solitary waves, and modulation instability analysis to the perturbed nonlinear SchrÃ¶dinger equation with Kerr law nonlinearity. Journal of Modern Optics, 2019, 66, 647-651.	0.6	5
161	Optical solitons and modulation instability analysis to the quadratic-cubic nonlinear SchrÃ¶dinger equation. Nonlinear Analysis: Modelling and Control, 2018, 24, 20-33.	1.1	5
162	Adomian-PadÃ© approximate solutions to the conformable nonlinear heat transfer equation. Thermal Science, 2019, 23, 235-242.	0.5	5

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163	Two-wave, breather wave solutions and stability analysis to the (2Â+Â1)-dimensional Ito equation. Journal of Ocean Engineering and Science, 2022, 7, 467-474.	1.7	5
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