Mostafa Khater

List of Publications by Year
in descending order

182 papers	5,203 citations	61984 43 h-index	144013 57 g-index
184 all docs	184 docs citations	184 times ranked	813 citing authors

#	Article	IF	Citations
1	Modified extended tanh-function method and its applications to the Bogoyavlenskii equation. Applied Mathematical Modelling, 2016, 40, 1769-1775.	4.2	142
2	Dispersive long wave of nonlinear fractional Wu-Zhang system via a modified auxiliary equation method. AIP Advances, 2019, 9, .	1.3	107
3	A study of optical wave propagation in the nonautonomous Schrödinger-Hirota equation with power-law nonlinearity. Results in Physics, 2019, 13, 102157.	4.1	94
4	Complex wave structures for abundant solutions related to the complex Ginzburg–Landau model. Optik, 2019, 192, 162927.	2.9	83
5	On semi analytical and numerical simulations for a mathematical biological model; the time-fractional nonlinear Kolmogorov–Petrovskii–Piskunov (KPP) equation. Chaos, Solitons and Fractals, 2021, 144, 110676.	5.1	82
6	New exact traveling wave solutions of biological population model via the extended rational sinh-cosh method and the modified Khater method. Modern Physics Letters B, 2019, 33, 1950338.	1.9	79
7	New analytical wave structures for the (3â€¯+â€¯1)-dimensional Kadomtsev-Petviashvili and the generalized Boussinesq models and their applications. Results in Physics, 2019, 14, 102491.	4.1	78
8	Analytical versus numerical solutions of the nonlinear fractional timeâ€"space telegraph equation. Modern Physics Letters B, 2021, 35, 2150324.	1.9	78
9	Dynamical analysis of the nonlinear complex fractional emerging telecommunication model with higherâ€"order dispersive cubicâ€"quintic. AEJ - Alexandria Engineering Journal, 2020, 59, 1425-1433.	6.4	77
10	The exp(-&phi;(&xi;))-Expansion Method and Its Application for Solving Nonlinear Evolution Equations. International Journal of Modern Nonlinear Theory and Application, 2015, 04, 37-47.	0.4	72
11	Some optical soliton solutions to the perturbed nonlinear Schrödinger equation by modified Khater method. AIP Advances, 2021, 11, .	1.3	72
12	Diverse solitary and Jacobian solutions in a continually laminated fluid with respect to shear flows through the Ostrovsky equation. Modern Physics Letters B, 2021, 35, 2150220.	1.9	70
13	Elliptic and solitary wave solutions for Bogoyavlenskii equations system, couple Boiti-Leon-Pempinelli equations system and Time-fractional Cahn-Allen equation. Results in Physics, 2017, 7, 2325-2333.	4.1	69
14	Lump soliton wave solutions for the (2+1)-dimensional Konopelchenkoâ€"Dubrovsky equation and KdV equation. Modern Physics Letters B, 2019, 33, 1950199.	1.9	69
15	Analytical and numerical simulations for the kinetics of phase separation in iron (Feâ€"Crâ€"X (X=Mo,) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	68
16	Abundant breather and semi-analytical investigation: On high-frequency wavesâ€™ dynamics in the relaxation medium. Modern Physics Letters B, 0, , 2150372.	1.9	68
17	Abundant numerical and analytical solutions of the generalized formula of Hirota-Satsuma coupled KdV system. Chaos, Solitons and Fractals, 2020, 131, 109473.	5.1	67
18	Dispersive optical soliton solutions for higher order nonlinear Sasa-Satsuma equation in mono mode fibers via new auxiliary equation method. Superlattices and Microstructures, 2018, 113, 346-358.	3.1	65

#	Article	IF	Citations
19	Analytical and semi-analytical ample solutions of the higher-order nonlinear Schrödinger equation with the non-Kerr nonlinear term. Results in Physics, 2020, 16, 103000.	4.1	64
20	Propagation of new dynamics of longitudinal bud equation among a magneto-electro-elastic round rod. Modern Physics Letters B, 2021, 35, .	1.9	64
21	Numerical investigation for the fractional nonlinear space–time telegraph equation via the trigonometric Quintic B–spline scheme. Mathematical Methods in the Applied Sciences, 2021, 44, 4598-4606.	2.3	62
22	Analytical and semi-analytical solutions for Phi-four equation through three recent schemes. Results in Physics, 2021, 22, 103954.	4.1	60
23	On the solitary wave solutions and physical characterization of gas diffusion in a homogeneous medium via some efficient techniques. European Physical Journal Plus, 2021, 136, 1.	2.6	60
24	Novel exact solutions of the fractional Bogoyavlensky–Konopelchenko equation involving the Atangana-Baleanu-Riemann derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 2957-2967.	6.4	55
25	Diverse novel analytical and semi-analytical wave solutions of the generalized (2+1)-dimensional shallow water waves model. AIP Advances, 2021, 11, .	1.3	55
26	The plethora of explicit solutions of the fractional KS equation through liquid–gas bubbles mix under the thermodynamic conditions via Atangana–Baleanu derivative operator. Advances in Difference Equations, 2020, 2020, .	3.5	55
27	Dynamical behaviour of Chiral nonlinear Schrödinger equation. Optical and Quantum Electronics, 2022, 54, 1.	3.3	55
28	Dispersive optical soliton solutions of the generalized Radhakrishnan–Kundu–Lakshmanan dynamical equation with power law nonlinearity and its applications. Optik, 2018, 164, 54-64.	2.9	54
29	New exact solutions for the time fractional coupled Boussinesq–Burger equation and approximate long water wave equation in shallow water. Journal of Ocean Engineering and Science, 2017, 2, 223-228.	4.3	53
30	Bifurcations of traveling wave solutions for Dodd–Bullough–Mikhailov equation and coupled Higgs equation and their applications. Chinese Journal of Physics, 2017, 55, 1310-1318.	3.9	53
31	Explicit Lump Solitary Wave of Certain Interesting (3+1)-Dimensional Waves in Physics via Some Recent Traveling Wave Methods. Entropy, 2019, 21, 397.	2.2	52
32	Numerical solutions of nonlinear fractional Wu–Zhang system for water surface versus three approximate schemes. Journal of Ocean Engineering and Science, 2019, 4, 144-148.	4.3	51
33	Optical wave solutions of the higher-order nonlinear Schrödinger equation with the non-Kerr nonlinear term via modified Khater method. Modern Physics Letters B, 2020, 34, 2050044.	1.9	51
34	Abundant analytical and numerical solutions of the fractional microbiological densities model in bacteria cell as a result of diffusion mechanisms. Chaos, Solitons and Fractals, 2020, 136, 109824.	5.1	51
35	New kinds of analytical solitary wave solutions for ionic currents on microtubules equation via two different techniques. Optical and Quantum Electronics, 2021, 53, 1.	3.3	50
36	Computational solutions of the HIV-1 infection of CD4^{+}T-cells fractional mathematical model that causes acquired immunodeficiency syndrome (AIDS) with the effect of antiviral drug therapy. Chaos, Solitons and Fractals, 2020, 139, 110092.	5.1	49

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37	An explicit plethora of solution for the fractional nonlinear model of the low–pass electrical transmission lines via Atangana–Baleanu derivative operator. AEJ - Alexandria Engineering Journal, 2020, 59, 1205-1214.	6.4	49
38	Abundant wave solutions of the perturbed Gerdjikov–Ivanov equation in telecommunication industry. Modern Physics Letters B, 2021, 35, 2150456.	1.9	49
39	Nonparaxial pulse propagation in a planar waveguide with Kerr–like and quintic nonlinearities; computational simulations. Chaos, Solitons and Fractals, 2022, 157, 111970.	5.1	49
40	Folded novel accurate analytical and semi-analytical solutions of a generalized Calogero–Bogoyavlenskii–Schiff equation. Communications in Theoretical Physics, 2021, 73, 095003.	2.5	48
41	ON THE NEW EXPLICIT SOLUTIONS OF THE FRACTIONAL NONLINEAR SPACE-TIME NUCLEAR MODEL. Fractals, 2020, 28, 2040035.	3.7	47
42	Bifurcations of new multi soliton solutions of the van der Waals normal form for fluidized granular matter via six different methods. Results in Physics, 2017, 7, 2028-2035.	4.1	45
43	Diverse accurate computational solutions of the nonlinear Klein–Fock–Gordon equation. Results in Physics, 2021, 23, 104003.	4.1	45
44	Bifurcations of solitary wave solutions for the three dimensional Zakharov–Kuznetsov–Burgers equation and Boussinesq equation with dual dispersion. Optik, 2017, 143, 104-114.	2.9	44
45	Optical soliton and rogue wave solutions of the ultra-short femto-second pulses in an optical fiber via two different methods and its applications. Optik, 2018, 158, 434-450.	2.9	44
46	Structures of exact and solitary optical solutions for the higher-order nonlinear Schrödinger equation and its applications in mono-mode optical fibers. Modern Physics Letters B, 2019, 33, 1950279.	1.9	43
47	On the numerical investigation of the interaction in plasma between (high & low) frequency of (Langmuir & ion-acoustic) waves. Results in Physics, 2020, 18, 103317.	4.1	43
48	Diverse bistable dark novel explicit wave solutions of cubic–quintic nonlinear Helmholtz model. Modern Physics Letters B, 2021, 35, 2150441.	1.9	43
49	Analytical, semi-analytical, and numerical solutions for the Cahn–Allen equation. Advances in Difference Equations, 2020, 2020, .	3.5	42
50	Numerical simulations of Zakharov's (ZK) non-dimensional equation arising in Langmuir and ion-acoustic waves. Modern Physics Letters B, 2021, 35, .	1.9	42
51	Lax representation and bi-Hamiltonian structure of nonlinear Qiao model. Modern Physics Letters B, 2022, 36, .	1.9	41
52	On new computational and numerical solutions of the modified Zakharov–Kuznetsov equation arising in electrical engineering. AEJ - Alexandria Engineering Journal, 2020, 59, 1099-1105.	6.4	40
53	Bright–Dark Soliton Waves' Dynamics in Pseudo Spherical Surfaces through the Nonlinear Kaup–Kupershmidt Equation. Symmetry, 2021, 13, 963.	2.2	40
54	Diverse Soliton wave solutions of for the nonlinear potential Kadomtsev–Petviashvili and Calogero–Degasperis equations. Results in Physics, 2022, 33, 105116.	4.1	40

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55	Solitary Wave Solutions of the Benjamin-BonaMahoney-Burgers Equation with Dual Power-Law Nonlinearity. Applied Mathematics and Information Sciences, 2017, 11, 1347-1351.	0.5	39
56	Analytical and numerical solutions for the current and voltage model on an electrical transmission line with time and distance. Physica Scripta, 2020, 95, 055206.	2.5	37
57	Novel soliton waves of two fluid nonlinear evolutions models in the view of computational scheme. International Journal of Modern Physics B, 2020, 34, 2050096.	2.0	37
58	Computational and approximate solutions of complex nonlinear Fokasâ€"Lenells equation arising in optical fiber. Results in Physics, 2021, 25, 104322.	4.1	37
59	Sub-10-fs-pulse propagation between analytical and numerical investigation. Results in Physics, 2021, 25, 104133.	4.1	37
60	Modified Auxiliary Equation Method versus Three Nonlinear Fractional Biological Models in Present Explicit Wave Solutions. Mathematical and Computational Applications, 2019, 24, 1.	1.3	36
61	Exact optical solutions of the (2+1) dimensions Kunduâ€"Mukherjeeâ€"Naskar model via the new extended direct algebraic method. Modern Physics Letters B, 2020, 34, 2050225.	1.9	35
62	ON EXPLICIT WAVE SOLUTIONS OF THE FRACTIONAL NONLINEAR DSW SYSTEM VIA THE MODIFIED KHATER METHOD. Fractals, 2020, 28, 2040034.	3.7	34
63	Solitary wave solutions for the generalized Zakharovâ€"Kuznetsovâ€"Benjaminâ€"Bonaâ€"Mahony nonlinear evolution equation. Journal of Ocean Engineering and Science, 2017, 2, 137-142.	4.3	33
64	Analytical and semiâ€analytical solutions for timeâ€fractional Cahnâ€"Allen equation. Mathematical Methods in the Applied Sciences, 2021, 44, 2682-2691.	2.3	32
65	Analytical and Approximate Solutions for Complex Nonlinear SchrÃ¶dinger Equation via Generalized Auxiliary Equation and Numerical Schemes. Communications in Theoretical Physics, 2019, 71, 1267.	2.5	31
66	Computational and numerical simulations for the nonlinear fractional Kolmogorovâ€"Petrovskiiâ€"Piskunov (FKPP) equation. Physica Scripta, 2020, 95, 055213.	2.5	31
67	Exact Traveling Wave Solutions for the System of Shallow Water Wave Equations and Modified Liouville Equation Using Extended Jacobian Elliptic Function Expansion Method. American Journal of Computational Mathematics, 2014, 04, 455-463.	0.5	29
68	Computational and numerical simulations for the deoxyribonucleic acid (DNA) model. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3459.	1.1	29
69	Strong Langmuir turbulence dynamics through the trigonometric quintic and exponential B-spline schemes. AIMS Mathematics, 2021, 6, 5896-5908.	1.6	29
70	Ultra-short pulses generationâ€™s precise influence on the light transmission in optical fibers. Results in Physics, 2022, 37, 105411.	4.1	29
71	Computational simulations of the couple Boitiâ€"Leonâ€"Pempinelli (BLP) system and the (3+1)-dimensional Kadomtsevâ€"Petviashvili (KP) equation. AIP Advances, 2020, 10, .	1.3	28
72	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

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73	Abundant novel wave solutions of nonlinear Klein–Gordon–Zakharov (KGZ) model. European Physical Journal Plus, 2021, 136, 1.	2.6	28
74	Dispersive solitary wave solutions of new coupled Konno-Oono, Higgs field and Maccari equations and their applications. Journal of King Saud University - Science, 2018, 30, 417-423.	3.5	27
75	The shock peakon wave solutions of the general Degasperis–Procesi equation. International Journal of Modern Physics B, 2019, 33, 1950351.	2.0	27
76	Abundant Wave Accurate Analytical Solutions of the Fractional Nonlinear Hirota–Satsuma–Shallow Water Wave Equation. Fluids, 2021, 6, 235.	1.7	27
77	New optical solitons of conformable resonant nonlinear Schrödinger's equation. Open Physics, 2020, 18, 761-769.	1.7	27
78	Analytical simulations of the Fokas system; extension (2 + 1)-dimensional nonlinear Schrödinger equation. International Journal of Modern Physics B, 2021, 35, .	2.0	27
79	NUMERICAL INVESTIGATION OF THE NONLINEAR FRACTIONAL OSTROVSKY EQUATION. Fractals, 2022, 30, .	3.7	27
80	Exact traveling wave solutions for the generalized Hirota-Satsuma couple KdV system using the exp($-\Phi(\zeta)$)-expansion method. Cogent Mathematics, 2016, 3, 1172397.	0.4	26
81	Chaos and Relativistic Energy-Momentum of the Nonlinear Time Fractional Duffing Equation. Mathematical and Computational Applications, 2019, 24, 10.	1.3	26
82	On abundant new solutions of two fractional complex models. Advances in Difference Equations, 2020, 2020, .	3.5	26
83	Solitary wave solution of the generalized Hirota–Satsuma coupled KdV system. Journal of the Egyptian Mathematical Society, 2017, 25, 8-12.	1.2	25
84	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
85	Abundant new solutions of the transmission of nerve impulses of an excitable system. European Physical Journal Plus, 2020, 135, 1.	2.6	25
86	Diverse novel computational wave solutions of the time fractional Kolmogorov–Petrovskii - Piskunov and the (2 + 1)-dimensional Zoomeron equations. Physica Scripta, 2021, 96, 075207.	2.5	25
87	Accurate sets of solitary solutions for the quadratic–cubic fractional nonlinear Schrödinger equation. AIP Advances, 2021, 11, .	1.3	25
88	Multiple Novels and Accurate Traveling Wave and Numerical Solutions of the (2+1) Dimensional Fisher-Kolmogorov- Petrovskii-Piskunov Equation. Mathematics, 2021, 9, 1440.	2.2	25
89	Study on the solitary wave solutions of the ionic currents on microtubules equation by using the modified Khater method. Thermal Science, 2019, 23, 2053-2062.	1.1	25
90	Accurate demonstrating of the interactions of two long waves with different dispersion relations: Generalized Hirota–Satsuma couple KdV equation. AIP Advances, 2022, 12, .	1.3	24

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91	New optical soliton solutions for nonlinear complex fractional Schrödinger equation via new auxiliary equation method and novel $$({G'}/{G})$$ (G â€² / G) -expansion method. Pramana - Journal of Physics, 2018, 90, 1.	1.8	23
92	The new structure of analytical and semi-analytical solutions of the longitudinal plasma wave equation in a magneto-electro-elastic circular rod. Modern Physics Letters B, 2020, 34, 2050123.	1.9	23
93	Optical soliton structure of the sub-10-fs-pulse propagation model. Journal of Optics (India), 2021, 50, 109-119.	1.7	23
94	Oblique explicit wave solutions of the fractional biological population (BP) and equal width (EW) models. Advances in Difference Equations, 2020, 2020, .	3.5	23
95	Structure of solitary wave solutions of the nonlinear complex fractional generalized Zakharov dynamical system. Advances in Difference Equations, 2018, 2018, .	3.5	22
96	Two effective computational schemes for a prototype of an excitable system. AIP Advances, 2020, 10, 105120.	1.3	22
97	Abundant Traveling Wave and Numerical Solutions of Weakly Dispersive Long Waves Model. Symmetry, 2021, 13, 1085.	2.2	22
98	New traveling solutions of the fractional nonlinear KdV and ZKBBM equations with ?â„¬â„› fractional operator. International Journal of Modern Physics B, 2021, 35, .	2.0	22
99	Plenty of wave solutions to the ill-posed Boussinesq dynamic wave equation under shallow water beneath gravity. AIMS Mathematics, 2022, 7, 54-81.	1.6	21
100	Five semi analytical and numerical simulations for the fractional nonlinear space-time telegraph equation. Advances in Difference Equations, 2021, 2021, .	3.5	21
101	Exact Traveling and Nano-Solitons Wave Solitons of the Ionic Waves Propagating along Microtubules in Living Cells. Mathematics, 2020, 8, 697.	2.2	20
102	Unstable novel and accurate soliton wave solutions of the nonlinear biological population model. Arab Journal of Basic and Applied Sciences, 2022, 29, 19-25.	2.1	20
103	Abundant distinct types of solutions for the nervous biological fractional FitzHughâ€"Nagumo equation via three different sorts of schemes. Advances in Difference Equations, 2020, 2020, .	3.5	19
104	Novel explicit breath wave and numerical solutions of an Atangana conformable fractional Lotkaâ€"Volterra model. AEJ - Alexandria Engineering Journal, 2021, 60, 4735-4743.	6.4	19
105	Abundant accurate analytical and semi-analytical solutions of the positive Gardnerâ€"Kadomtsevâ€"Petviashvili equation. Open Physics, 2022, 20, 30-39.	1.7	19
106	New wave solutions for the fractional-order biological population model, time fractional burgers, Drinfelâ€™dâ€"Sokolovâ€"Wilson and system of shallow water wave equations and their applications. European Journal of Computational Mechanics, 2017, 26, 508-524.	0.6	18
107	On complex wave structures related to the nonlinear longâ€"short wave interaction system: Analytical and numerical techniques. AIP Advances, 2020, 10, .	1.3	18
108	Analytical and semi-analytical wave solutions for longitudinal wave equation via modified auxiliary equation method and Adomian decomposition method. Thermal Science, 2019, 23, 1943-1957.	1.1	18

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109	Structure of optical soliton solutions for the generalized higher-order nonlinear Schrödinger equation with light-wave promulgation in an optical fiber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	17
110	Computational simulation for the (1 + 1)-dimensional Ito equation arising quantum mechanics and nonlinear optics. Results in Physics, 2020, 19, 103572.	4.1	17
111	Bifurcations of solitary wave solutions for (two and three)-dimensional nonlinear partial differential equation in quantum and magnetized plasma by using two different methods. Results in Physics, 2018, 9, 142-150.	4.1	16
112	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
113	Semi–analytical and numerical simulations of the modified Benjamin–Bona–Mahony model. Journal of Ocean Engineering and Science, 2022, 7, 264-271.	4.3	14
114	Effective computational schemes for a mathematical model of relativistic electrons arising in the laser thermonuclear fusion. Results in Physics, 2020, 19, 103701.	4.1	14
115	Extended Jacobian Elliptic Function Expansion Method and Its Applications in Biology. Applied Mathematics, 2015, 06, 1174-1181.	0.4	14
116	Computational and numerical simulations of nonlinear fractional Ostrovsky equation. AEJ - Alexandria Engineering Journal, 2022, 61, 6887-6895.	6.4	14
117	Solitary traveling wave solutions of pressure equation of bubbly liquids with examination for viscosity and heat transfer. Results in Physics, 2018, 8, 292-303.	4.1	13
118	Optical soliton and bright–dark solitary wave solutions of nonlinear complex Kundu–Eckhaus dynamical equation of the ultra-short femtosecond pulses in an optical fiber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	13
119	Explicit, periodic and dispersive soliton solutions to the conformable time-fractional Wu–Zhang system. Modern Physics Letters B, 2021, 35, 2150417.	1.9	13
120	Abundant wave structures of the fractional Benjamin-Ono equation through two computational techniques. Journal of Ocean Engineering and Science, 2022, , .	4.3	13
121	Two-component plasma and electron trapping's influence on the potential of a solitary electrostatic wave with the dust-ion-acoustic speed. Journal of Ocean Engineering and Science, 2022, , .	4.3	13
122	Approximate Simulations for the Non-linear Long-Short Wave Interaction System. Frontiers in Physics, 2020, 7, .	2.1	12
123	On exact and approximate solutions of (2+1)-dimensional Konopelchenko-Dubrovsky equation via modified simplest equation and cubic B-spline schemes. Thermal Science, 2019, 23, 1889-1899.	1.1	12
124	Superabundant novel solutions of the long waves mathematical modeling in shallow water with power-law nonlinearity in ocean beaches via three recent analytical schemes. European Physical Journal Plus, 2021, 136, 1.	2.6	12
125	OPTICAL SOLITON WAVE SOLUTIONS OF THE FRACTIONAL COMPLEX PARAXIAL WAVE DYNAMICAL MODEL ALONG WITH KERR MEDIA. Fractals, 2022, 30, .	3.7	12
126	Implementation of three reliable methods for finding the exact solutions of (2Â+Â1) dimensional generalized fractional evolution equations. Optical and Quantum Electronics, 2018, 50, 1.	3.3	11

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127	Ample soliton waves for the crystal lattice formation of the conformable time-fractional (N−+1) Sinh-Gordon equation by the modified Khater method and the Painlevé property. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2745-2752.	1.4	11
128	Copious Closed Forms of Solutions for the Fractional Nonlinear Longitudinal Strain Wave Equation in Microstructured Solids. Mathematical Problems in Engineering, 2020, 2020, 1-8.	1.1	11
129	A New Numerical Approach for Solving 1D Fractional Diffusion-Wave Equation. Journal of Function Spaces, 2021, 2021, 1-7.	0.9	11
130	Stable novel and accurate solitary wave solutions of an integrable equation: Qiao model. Open Physics, 2021, 19, 742-752.	1.7	11
131	Comment on four papers of Elsayed M.E. Zayed, Abdul-Ghani Al-Nowehy, Reham M.A. Shohib and Khaled A.E. Alurrfi (Optik 130 (2017) 1295–1311 & Optik 143 (2017) 84–103 & Optik 158 (2018) 970–984 &)Tj ETQq		
132	On the Analytical and Numerical Solutions in the Quantum Magnetoplasmas: The Atangana Conformable Derivative (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T with Power-Law Nonlinearity. Advances in Mathematical Physics, 2020, 2020, 1-10.	0.8	10
133	Inelastic Interaction and Blowup New Solutions of Nonlinear and Dispersive Long Gravity Waves. Journal of Function Spaces, 2020, 2020, 1-10.	0.9	10
134	Research of lump dynamics on the (3+1)-dimensional B-type Kadomtsev–Petviashvili–Boussinesq equation. Modern Physics Letters B, 2021, 35, .	1.9	10
135	Novel analytical simulations of the complex nonlinear Davey–Stewartson equations in the gravity-capillarity surface wave packets. Journal of Ocean Engineering and Science, 2021, , .	4.3	10
136	Optical wave solutions of perturbed time-fractional nonlinear Schrödinger equation. Journal of Ocean Engineering and Science, 2022, , .	4.3	10
137	Multiple Lump Novel and Accurate Analytical and Numerical Solutions of the Three-Dimensional Potential Yu–Toda–Sasa–Fukuyama Equation. Symmetry, 2020, 12, 2081.	2.2	9
138	New exact solitary waves solutions to the fractional Fokas-Lenells equation via Atangana-Baleanu derivative operator. International Journal of Modern Physics B, 2020, 34, 2050309.	2.0	9
139	Plenty accurate soliton wave solutions of the prototype of an excitable system. AIP Advances, 2021, 11, .	1.3	9
140	Computational wave solutions of some nonlinear evolution equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	9
141	On the computational and numerical solutions of the transmission of nerve impulses of an excitable system (the neuron system). Journal of Intelligent and Fuzzy Systems, 2020, 38, 2603-2610.	1.4	8
142	Novel and accurate solitary wave solutions of the conformable fractional nonlinear Schrödinger equation. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110689.	2.9	8
143	Abundant stable and accurate solutions of the three-dimensional magnetized electron-positron plasma equations. Journal of Ocean Engineering and Science, 2022, , .	4.3	7
144	Soliton wave solutions of ion-acoustic waves a cold plasma with negative ions. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 852-895.	2.9	7

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145	Reply of the manuscript of authors (Elsayed and Abdul-Ghani) in title (Comment on the paper of our) Tj ETQq1 1 0.784314 rgBT /Over Microstructures, 2018, 123, 460-464.	3.1	6
146	On the dynamics of strong Langmuir turbulence through the five recent numerical schemes in the plasma physics. Numerical Methods for Partial Differential Equations, 0, , .	3.6	6
147	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
148	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
149	Computational Simulations; Abundant Optical Wave Solutions Atangana Conformable Fractional Nonlinear Schrödinger Equation. Advances in Mathematical Physics, 2022, 2022, 1-13.	0.8	6
150	Abundant accurate solitonic water and ionic liquid wave structures of the nanoparticle hybrid system. Computational and Applied Mathematics, 2022, 41, .	2.2	6
151	Dynamical Behaviour of the Light Pulses through the Optical Fiber: Two Nonlinear Atangana Conformable Fractional Evolution Equations. Journal of Mathematics, 2020, 2020, 1-6.	1.0	5
152	Traveling wave solutions for the Couple Boiti-Leon-Pempinelli System by using extended Jacobian elliptic function expansion method. Journal of Advances in Physics, 2015, 11, 3134-3138.	0.2	5
153	ON ANALYTICAL AND NUMERICAL SIMULATIONS FOR THE ULTRA-SHORT PULSES MATHEMATICAL MODEL IN OPTICAL FIBERS. Fractals, 2022, 30, .	3.7	5
154	Faster and Slower Soliton Phase Shift: Oceanic Waves Affected by Earth Rotation. Mathematics, 2021, 9, 3223.	2.2	5
155	On Highly Dimensional Elastic and Nonelastic Interaction between Internal Waves in Straight and Varying Cross-Section Channels. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	4
156	Computational schemes between the exact, analytical and numerical solution in present of time–fractional ecological model. Physica Scripta, 2021, 96, 035207.	2.5	4
157	Abundant stable novel solutions of fractional-order epidemic model along with saturated treatment and disease transmission. Open Physics, 2022, 19, 843-852.	1.7	4
158	Computational simulations of the cubic-quintic nonlinear Helmholtz model. Journal of Ocean Engineering and Science, 2022, , .	4.3	4
159	Computational and Numerical Solutions for 2+1-Dimensional Integrable Schwarz–Korteweg–de Vries Equation with Miura Transform. Complexity, 2020, 2020, 1-13.	1.6	3
160	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
161	On the stable computational, semi-analytical, and numerical solutions of the Langmuir waves in an ionized plasma. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2833-2845.	1.4	3
162	Diverse Novel Stable Traveling Wave Solutions of the Advanced or Voltage Spectrum of Electrified Transmission Through Fractional Non-linear Model. Frontiers in Physics, 2021, 9, .	2.1	3

#	ARTICLE	IF	CITATIONS
163	New optical explicit plethora of the resonant Schrodinger's equation via two recent computational schemes. Thermal Science, 2020, 24, 247-255.	1.1	3
164	Computational simulation and nonlinear vibration motions of isolated waves localized in small part of space. Journal of Ocean Engineering and Science, 2022, , .	4.3	3
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