Tukur Abdulkadir Sulaiman

List of Publications by Year
in descending order

103	3,879	94381	161767
papers	citations	37	54
		h-index	g-index

103	103	103	843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Breather waves, analytical solutions and conservation laws using Lieâ€"BÃ¤cklund symmetries to the (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (altimg="si7.svg"><mr Chaffeeâ€"Infante equation. Journal of Ocean Engineering and Science, 2023, 8, 145-151.	1.7	17
3	New solitons and other solutions in saturated ferromagnetic materials modeled by Kraenkelâ€"Mannaâ€"Merle system. Indian Journal of Physics, 2022, 96, 181-191.	0.9	24
4	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
5	Two-wave, breather wave solutions and stability analysis to the $(2+1)$-dimensional Ito equation. Journal of Ocean Engineering and Science, 2022, 7, 467-474.	1.7	5
6	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
7	On the exact soliton solutions and different wave structures to the double dispersive equation. Optical and Quantum Electronics, 2022, 54, 1.	1.5	31
8	Fractional Modeling for Improving Scholastic Performance of Students with Optimal Control. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	28
9	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
10	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
11	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
12	Optical solitons with nonlinear dispersion in parabolic law medium and three-component coupled nonlinear Schrödinger equation. Optical and Quantum Electronics, 2022, 54, .	1.5	17
13	Analysis and numerical computations of the fractional regularized longâ€wave equation with damping term. Mathematical Methods in the Applied Sciences, 2021, 44, 7538-7555.	1.2	36
14	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
15	Construction of multi-wave complexiton solutions of the Kadomtsev-Petviashvili equation via two efficient analyzing techniques. Results in Physics, 2021, 21, 103775.	2.0	31
16	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
17	Lie-Bäcklund symmetries, analytical solutions and conservation laws to the more general $(2+1)$-dimensional Boussinesq equation. Results in Physics, 2021, 22, 103850.	2.0	17
18	The Schrödinger-KdV equation of fractional order with Mittag-Leffler nonsingular kernel. AEJ - Alexandria Engineering Journal, 2021, 60, 2715-2724.	3.4	64

#	Article	IF	Citations
19	Applications of the extended rational sine-cosine and sinh-cosh techniques to some nonlinear complex models arising in mathematical physics. Applied Mathematics and Nonlinear Sciences, 2021, 6, 19-30.	0.9	6
20	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
21	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
22	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
23	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
24	The analytical solutions of Zoomeron equation via extended rational sin-cos and sinh-cosh methods. Physica Scripta, 2021, 96, 094002.	1.2	43
25	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
26	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
27	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
28	Optical solitons and other solutions to the Radhakrishnan-Kundu-Lakshmanan equation. Optik, 2021, 242, 167363.	1.4	34
29	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
30	M-truncated optical solitons to a nonlinear SchrÃ¶dinger equation describing the pulse propagation through a two-mode optical fiber. Optical and Quantum Electronics, 2021, 53, 1.	1.5	23
31	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
32	Optical Soliton Solutions to Chen Lee Liu model by the modified extended tanh expansion scheme. Optik, 2021, 245, 167643.	1.4	39
33	Biswasâ€"Milovic equation using modified extended $(\frac{G'}{G})^2$	1.4	39
34	Dynamics of lump collision phenomena to the (3+1)-dimensional nonlinear evolution equation. Journal of Geometry and Physics, 2021, 169, 104347.	0.7	57
35	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
36	Modulation instability analysis and optical solitons of the generalized model for description of propagation pulses in optical fiber with four non-linear terms. Modern Physics Letters B, 2021, 35, 2150112.	1.0	33

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37	On the exact solutions to some system of complex nonlinear models. Applied Mathematics and Nonlinear Sciences, 2021, 6, 29-42.	0.9	67
38	Propagation of diverse ultrashort pulses in optical fiber to Trikiâ€"Biswas equation and its modulation instability analysis. Modern Physics Letters B, 2021, 35, .	1.0	4
39	On the complex solutions to the (3+1)-dimensional conformable fractional modified KdVâ€"Zakharovâ€"Kuznetsov equation. Modern Physics Letters B, 2020, 34, 2050069.	1.0	31
40	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
41	Modulation instability analysis, optical and other solutions to the modified nonlinear SchrÃ¶dinger equation. Communications in Theoretical Physics, 2020, 72, 065001.	1.1	93
42	Three-component coupled nonlinear SchrÃ¶dinger equation: optical soliton and modulation instability analysis. Physica Scripta, 2020, 95, 065201.	1.2	80
43	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
44	Optical solitons and modulation instability analysis of the (1 + 1)-dimensional coupled nonlinear SchrÃ¶dinger equation. Communications in Theoretical Physics, 2020, 72, 025003.	1.1	31
45	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
46	Optical solitons to the fractional perturbed NLSE in nano-fibers. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 925-936.	0.6	29
47	On the new wave behavior of the Magneto-Electro-Elastic(MEE) circular rod longitudinal wave equation. International Journal of Optimization and Control: Theories and Applications, 2020, 10, 1-8.	0.8	6
48	On the new wave behavior to the Kleinâ€"Gordonâ€"Zakharov equations in plasma physics. Indian Journal of Physics, 2019, 93, 393-399.	0.9	55
49	M-fractional solitons and periodic wave solutions to the Hirotaâ€"Maccari system. Modern Physics Letters B, 2019, 33, 1950052.	1.0	52
50	New solitary wave structures to the (3â€¯+â€¯1) dimensional Kadomtsevâ€"Petviashvili and SchrÃ¶dinger equation. Journal of Ocean Engineering and Science, 2019, 4, 373-378.	1.7	35
51	New complex hyperbolic and trigonometric solutions for the generalized conformable fractional Gardner equation. Modern Physics Letters B, 2019, 33, 1950196.	1.0	39
52	Dark and singular solitons to the two nonlinear SchrÃ¶dinger equations. Optik, 2019, 186, 423-430.	1.4	42
53	Investigation of the fractional coupled viscous Burgersâ€™ equation involving Mittag-Leffler kernel. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121126.	1.2	74
54	The solitary wave solutions to the fractional Radhakrishnanâ€"Kunduâ€"Lakshmanan model. International Journal of Modern Physics B, 2019, 33, 1950370.	1.0	17

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55	Boussinesq equations: M-fractional solitary wave solutions and convergence analysis. Journal of Ocean Engineering and Science, 2019, 4, 1-6.	1.7	29
56	On the exact and numerical solutions to the coupled Boussinesq equation arising in ocean engineering. Indian Journal of Physics, 2019, 93, 647-656.	0.9	73
57	New Complex Hyperbolic Structures to the Lonngren-Wave Equation by Using Sine-Gordon Expansion Method. Applied Mathematics and Nonlinear Sciences, 2019, 4, 129-138.	0.9	153
58	The new extended rational SGEEM for construction of optical solitons to the (2+1)–dimensional Kundu–Mukherjee–Naskar model. Applied Mathematics and Nonlinear Sciences, 2019, 4, 513-522.	0.9	34
59	Optical solitons to the fractional Schr*ö*dinger-Hirota equation. Applied Mathematics and Nonlinear Sciences, 2019, 4, 535-542.	0.9	45
60	On the bright and singular optical solitons to the ($2+1$)-dimensional NLS and the Hirota equations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	35
61	On the soliton solutions to the Nizhnik-Novikov-Veselov and the Drinfel'd-Sokolov systems. Optical and Quantum Electronics, 2018, 50, 1.	1.5	89
62	Dark, bright optical and other solitons with conformable space-time fractional second-order spatiotemporal dispersion. Optik, 2018, 163, 1-7.	1.4	47
63	Optical solitons to the space-time fractional (1+1)-dimensional coupled nonlinear Schrödinger equation. Optik, 2018, 167, 150-156.	1.4	155
64	Dynamic of solitary wave solutions in some nonlinear pseudoparabolic models and Dodd–Bullough–Mikhailov equation. Indian Journal of Physics, 2018, 92, 999-1007.	0.9	28
65	On the new wave solutions to a nonlinear model arising in plasma physics. European Physical Journal Plus, 2018, 133, 1.	1.2	25
66	On the solitary wave solutions to the longitudinal wave equation in MEE circular rod. Optical and Quantum Electronics, 2018, 50, 1.	1.5	32
67	Investigations of dark, bright, combined dark-bright optical and other soliton solutions in the complex cubic nonlinear Schrödinger equation with δ-potential. Superlattices and Microstructures, 2018, 115, 19-29.	1.4	58
68	Investigation of various soliton solutions to the Heisenberg ferromagnetic spin chain equation. Journal of Electromagnetic Waves and Applications, 2018, 32, 1093-1105.	1.0	62
69	Complex acoustic gravity wave behaviors to some mathematical models arising in fluid dynamics and nonlinear dispersive media. Optical and Quantum Electronics, 2018, 50, 1.	1.5	29
70	On the analytical and numerical solutions of the Benjamin–Bona–Mahony equation. Optical and Quantum Electronics, 2018, 50, 1.	1.5	43
71	New structural dynamics of isolated waves via the coupled nonlinear Maccari's system with complex structure. Indian Journal of Physics, 2018, 92, 1281-1290.	0.9	43
72	Dark, bright and other optical solitons to the decoupled nonlinear Schrödinger equation arising in dual-core optical fibers. Optical and Quantum Electronics, 2018, 50, 1.	1.5	40

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73	Optical solitons to the resonant nonlinear Schrödinger equation with both spatio-temporal and inter-modal dispersions under Kerr law nonlinearity. Optik, 2018, 163, 49-55.	1.4	58
74	Numerical simulation and solutions of the two‐component second order KdV evolutionarysystem. Numerical Methods for Partial Differential Equations, 2018, 34, 211-227.	2.0	116
75	Dynamics of soliton solutions in the chiral nonlinear Schrödinger equations. Nonlinear Dynamics, 2018, 91, 1985-1991.	2.7	90
76	Novel complex and hyperbolic forms to the strain wave equation in microstructured solids. Optical and Quantum Electronics, 2018, 50, 1.	1.5	31
77	Dark, bright and other soliton solutions to the Heisenberg ferromagnetic spin chain equation. Superlattices and Microstructures, 2018, 123, 12-19.	1.4	55
78	Optical Solitons and Other Solutions to the (2+1)-Dimensional Cubic Nonlinear Schrödinger Equation with Fractional Temporal Evolution. ITM Web of Conferences, 2018, 22, 01053.	0.4	3
79	Stability Analysis, Numerical and Exact Solutions of the (1+1)-Dimensional NDMBBM Equation. ITM Web of Conferences, 2018, 22, 01064.	0.4	22
80	Regarding the numerical solutions of the Sharma-Tasso-Olver equation. ITM Web of Conferences, 2018, 22, 01036.	0.4	14
81	On the exact solitary wave solutions to the long-short wave interaction system. ITM Web of Conferences, 2018, 22, 01063.	0.4	11
82	Construction of various soliton solutions via the simplified extended sinh-Gordon equation expansion method. ITM Web of Conferences, 2018, 22, 01062.	0.4	7
83	On the wave solutions to the TRLW equation. ITM Web of Conferences, 2018, 22, 01033.	0.4	0
84	Complex Acoustic Gravity Wave Behaviors to a Mathematical Model Arising in Nonlinear Mathematical Physics. ITM Web of Conferences, 2018, 22, 01032.	0.4	2
85	On the exact and numerical solutions to a nonlinear model arising in mathematical biology. ITM Web of Conferences, 2018, 22, 01061.	0.4	13
86	Optical solitons to the fractional perturbed Radhakrishnan–Kundu–Lakshmanan model. Optical and Quantum Electronics, 2018, 50, 1.	1.5	38
87	Designing appointment system by multi objective simulated annealing. AIP Conference Proceedings, 2018, , .	0.3	0
88	Optical solitons and other solutions to the conformable space–time fractional Fokas–Lenells equation. Optik, 2018, 172, 20-27.	1.4	84
89	Optical solitons and other solutions to the conformable space–time fractional complex Ginzburg–Landau equation under Kerr law nonlinearity. Pramana - Journal of Physics, 2018, 91, 1.	0.9	31
90	Bright, dark optical and other solitons to the generalized higher-order NLSE in optical fibers. Optical and Quantum Electronics, 2018, 50, 1.	1.5	30

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91	Solitons in an inhomogeneous Murnaghanâ€™s rod. European Physical Journal Plus, 2018, 133, 1.	1.2	86
92	New solitary and optical wave structures to the (1 + 1)-dimensional combined KdVâ€"mKdV equation. Optik, 2017, 135, 327-336.	1.4	51
93	On the novel wave behaviors to the coupled nonlinear Maccari's system with complex structure. Optik, 2017, 131, 1036-1043.	1.4	69
94	Novel hyperbolic behaviors to some important models arising in quantum science. Optical and Quantum Electronics, 2017, 49, 1.	1.5	17
95	On the new hyperbolic and trigonometric structures to the simplified MCH and SRLW equations. European Physical Journal Plus, 2017, 132, 1.	1.2	25
96	Investigation of various travelling wave solutions to the extended (2+1)-dimensional quantum ZK equation. European Physical Journal Plus, 2017, 132, 1.	1.2	41
97	On the new soliton and optical wave structures to some nonlinear evolution equations. European Physical Journal Plus, 2017, 132, 1.	1.2	45
98	New solitary wave solutions to the (2+1)-dimensional Calogeroâ€"Bogoyavlenskiiâ€"Schiff and the Kadomtsevâ€"Petviashvili hierarchy equations. Indian Journal of Physics, 2017, 91, 1237-1243.	0.9	38
99	On Some Complex Aspects of the (2+1)-dimensional Broer-Kaup-Kupershmidt System. ITM Web of Conferences, 2017, 13, 01019.	0.4	29
100	New soliton properties to the ill-posed Boussinesq equation arising in nonlinear physical science. International Journal of Optimization and Control: Theories and Applications, 2017, 7, 240-247.	0.8	33
101	New solitary and optical wave structures to the Kortewegâ€"de Vries equation with dual-power law nonlinearity. Optical and Quantum Electronics, 2016, 48, 1.	1.5	53
102	Solitary wave solutions of chiral nonlinear SchrÃ¶dinger equations. Modern Physics Letters B, 0, , 2150472.	1.0	12
103	Solving the fractional Jaulentâ€"Miodek system via a modified Laplace decomposition method. Waves in Random and Complex Media, 0, , 1-14.	1.6	10