

Tahir

List of Publications by Year in descending order

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87
papers

2,887
citations

159585

30
h-index

197818

49
g-index

88
all docs

88
docs citations

88
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical scheme and analytical solutions to the stochastic nonlinear advection diffusion dynamical model. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 467-487.	1.0	16
2	Optical multi-wave, M-shaped rational solution, homoclinic breather, periodic cross-kink and various rational solutions with interactions for Radhakrishnanâ€“Kunduâ€“Lakshmanan dynamical model. Journal of Nonlinear Optical Physics and Materials, 2023, 32, .	1.8	7
3	Construction of analytical wave solutions to the conformable fractional dynamical system of ion sound and Langmuir waves. Waves in Random and Complex Media, 2022, 32, 2587-2605.	2.7	16
4	Investigation on the Single and Multiple Dromions for Nonlinear Telegraph Equation in Electrical Transmission Line. Qualitative Theory of Dynamical Systems, 2022, 21, 1.	1.7	11
5	Solitary wave solutions along with Painleve analysis for the Ablowitzâ€“Kaupâ€“Newellâ€“Segur water waves equation. Modern Physics Letters B, 2022, 36, .	1.9	12
6	On solitons: Propagation of shallow water waves for the fifth-order KdV hierarchy integrable equation. Open Physics, 2022, 19, 828-842.	1.7	4
7	Diverse Multiple Lump Analytical Solutions for Ion Sound and Langmuir Waves. Mathematics, 2022, 10, 200.	2.2	16
8	Weakly nonlinear electron-acoustic waves in the fluid ions propagated via a (3+1)-dimensional generalized Kortewegâ€“de-Vriesâ€“Zakharovâ€“Kuznetsov equation in plasma physics. Results in Physics, 2022, 33, 105069.	4.1	37
9	Multi lump and interaction solutions for Atangana conformable Boussinesq-like equation. Results in Physics, 2022, 34, 105187.	4.1	6
10	Multiple lump and rogue wave for time fractional resonant nonlinear SchrÃ¶dinger equation under parabolic law with weak nonlocal nonlinearity. Optical and Quantum Electronics, 2022, 54, 212.	3.3	14
11	New dispersive optical soliton for an nonlinear SchrÃ¶dinger equation with Kudryashov law of refractive index along with P-test. Optical and Quantum Electronics, 2022, 54, 1.	3.3	15
12	Study of breathers, rogue waves and lump solutions for the nonlinear chains of atoms. Optical and Quantum Electronics, 2022, 54, 1.	3.3	23
13	Diverse Forms of Breathers and Rogue Wave Solutions for the Complex Cubic Quintic Ginzburg Landau Equation with Intrapulse Raman Scattering. Mathematics, 2022, 10, 1818.	2.2	6
14	Optical dromions for perturbed nonlinear SchrÃ¶dinger equation with cubic quintic septic media. Optik, 2021, 226, 165955.	2.9	14
15	Investigation of solitons and mixed lump-wave solutions with cmml:math $\text{xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ $\text{altimg="si6.svg"} <\text{mml:mrow} <\text{mml:mo} </\text{mml:mo} <\text{mml:mn} >3 </\text{mml:mn} <\text{mml:mo} > \text{Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 50 1}$ potential-YTSE equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 94, 105544.	3.3	49
16	Stable propagation of optical solitons for nonlinear SchrÃ¶dinger equation with dispersion and self phase modulation. Mathematics and Computers in Simulation, 2021, 179, 126-136.	4.4	18
17	Traveling wave solutions for the fractional Wazwazâ€“Benjaminâ€“Bonaâ€“Mahony model in arising shallow water waves. Results in Physics, 2021, 20, 103725.	4.1	90
18	Lump, lump-one stripe, multiwave and breather solutions for the Hunterâ€“Saxton equation. Open Physics, 2021, 19, 1-10.	1.7	108

#	ARTICLE	IF	CITATIONS
19	Painlevé analysis for various nonlinear Schrödinger dynamical equations. International Journal of Modern Physics B, 2021, 35, 2150038.	2.0	14
20	Diverse exact solutions for modified nonlinear Schrödinger equation with conformable fractional derivative. Results in Physics, 2021, 20, 103766.	4.1	124
21	Lump and optical dromions for paraxial nonlinear Schrödinger equation. International Journal of Modern Physics B, 2021, 35, 2150078.	2.0	16
22	Analytical mathematical approaches for the double-chain model of DNA by a novel computational technique. Chaos, Solitons and Fractals, 2021, 144, 110669.	5.1	139
23	Conservation laws, optical molecules, modulation instability and Painlevé analysis for the Chen–Lee–Liu model. Optical and Quantum Electronics, 2021, 53, 1.	3.3	53
24	Soliton solutions, Painleve analysis and conservation laws for a nonlinear evolution equation. Results in Physics, 2021, 23, 103999.	4.1	41
25	Analytical wave structures in plasma physics modelled by Gilson-Pickering equation by two integration norms. Results in Physics, 2021, 23, 103959.	4.1	88
26	Various optical soliton for a weak fractional nonlinear Schrödinger equation with parabolic law. Results in Physics, 2021, 23, 103998.	4.1	29
27	Edge Mostar Indices of Cacti Graph With Fixed Cycles. Frontiers in Chemistry, 2021, 9, 693885.	3.6	4
28	Rational solutions and their interactions with kink and periodic waves for a nonlinear dynamical phenomenon. International Journal of Modern Physics B, 2021, 35, .	2.0	27
29	Diverse acoustic wave propagation to confirmable time–space fractional KP equation arising in dusty plasma. Communications in Theoretical Physics, 2021, 73, 115004.	2.5	20
30	Chirped and chirp-free optical solitons for Heisenberg ferromagnetic spin chains model. Modern Physics Letters B, 2021, 35, 2150139.	1.9	24
31	Painlevé analysis of a nonlinear Schrödinger equation discussing dynamics of solitons in optical fiber. International Journal of Modern Physics B, 2021, 35, 2150005.	2.0	13
32	Breather, multi-wave, periodic-cross kink, M-shaped and interactions solutions for perturbed NLSE with quadratic cubic nonlinearity. Optical and Quantum Electronics, 2021, 53, 1.	3.3	12
33	Chirped Periodic and Solitary Waves for Improved Perturbed Nonlinear Schrödinger Equation with Cubic Quadratic Nonlinearity. Fractal and Fractional, 2021, 5, 234.	3.3	10
34	Diverse wave propagation in shallow water waves with the Kadomtsev–Petviashvili–Benjamin–Bona–Mahony and Benney–Luke integrable models. Open Physics, 2021, 19, 808-818.	1.7	7
35	A variety of exact solutions to (2+1)-dimensional schrödinger equation. Waves in Random and Complex Media, 2020, 30, 490-499.	2.7	38
36	Lump and rogue wave solutions for the Broer-Kaup-Kupershmidt system. Chinese Journal of Physics, 2020, 68, 19-27.	3.9	40

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37	Dispersive of propagation wave structures to the dullyin-Gottwald-Holm dynamical equation in a shallow water waves. Chinese Journal of Physics, 2020, 68, 348-364.	3.9	101
38	Chirp-free optical dromions for the presence of higher order spatio-temporal dispersions and absence of self-phase modulation in birefringent fibers. Modern Physics Letters B, 2020, 34, 2050399.	1.9	126
39	Investigation of optical solitons in birefringent polarization preserving fibers with four-wave mixing effect. International Journal of Modern Physics B, 2020, 34, 2050113.	2.0	41
40	Conserved densities and fluxes for nonlinear Schrödinger equations using scaling invariance approach. Modern Physics Letters B, 2020, 34, 2050275.	1.9	2
41	Interaction properties of soliton molecules and Painleve analysis for nano bioelectronics transmission model. Optical and Quantum Electronics, 2020, 52, 1.	3.3	108
42	Dark and singular optical solitons for Kundu-Mukherjee-Naskar model. Modern Physics Letters B, 2020, 34, 2050074.	1.9	20
43	A new approach to find eccentric indices of some graphs. Journal of Information and Optimization Sciences, 2020, 41, 865-877.	0.3	17
44	Optical solitons for Biswas-Milovic equation by new extended auxiliary equation method. Optik, 2020, 204, 164181.	2.9	83
45	Topological Indices of Certain Transformed Chemical Structures. Journal of Chemistry, 2020, 2020, 1-7.	1.9	16
46	Lump and Interaction solutions of a geophysical Korteweg-de Vries equation. Results in Physics, 2020, 19, 103661.	4.1	114
47	Chirped optical solitons for Triki-Biswas equation. Modern Physics Letters B, 2019, 33, 1950264.	1.9	19
48	Solitons and lump wave solutions to the graphene thermophoretic motion system with a variable heat transmission. European Physical Journal Plus, 2019, 134, 1.	2.6	40
49	Optical solitons in dual core fibers under various nonlinearities. Modern Physics Letters B, 2019, 33, 1950189.	1.9	17
50	Optical solitons for non-Kerr law nonlinear Schrödinger equation with third and fourth order dispersions. Chinese Journal of Physics, 2019, 60, 133-140.	3.9	45
51	Optical solitons for paraxial wave equation in Kerr media. Modern Physics Letters B, 2019, 33, 1950020.	1.9	52
52	Optical soliton for perturbed nonlinear fractional Schrödinger equation by extended trial function method. Optical and Quantum Electronics, 2018, 50, 1.	3.3	26
53	Analytical study of solitons for Lakshmanan-Porsezian-Daniel model with parabolic law nonlinearity. Optik, 2018, 168, 27-33.	2.9	19
54	Exact optical solitons in $(n + 1)$ -dimensions with anti-cubic nonlinearity. Modern Physics Letters B, 2018, 32, 1850071.	1.9	9

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55	Dipole and combo solitons in DWDM systems. <i>Optik</i> , 2018, 158, 1073-1079.	2.9	11
56	Optical solitons in monomode fibers with higher order nonlinear Schrödinger equation. <i>Optik</i> , 2018, 154, 360-371.	2.9	11
57	Exact optical solitons in (n+ 1)-dimensions under anti-cubic law of nonlinearity. <i>Optik</i> , 2018, 156, 479-486.	2.9	10
58	Chirped optical solitons in nanofibers. <i>Modern Physics Letters B</i> , 2018, 32, 1850320.	1.9	21
59	Chirped and dipole soliton in nonlinear negative-index materials. <i>Optik</i> , 2018, 172, 657-661.	2.9	16
60	Rogue wave solutions in nonlinear optics with coupled Schrödinger equations. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	30
61	Jacobian elliptic periodic traveling wave solutions in the negative-index materials. <i>Nonlinear Dynamics</i> , 2017, 87, 1967-1972.	5.2	24
62	Dark and singular optical solitons perturbation with fractional temporal evolution. <i>Superlattices and Microstructures</i> , 2017, 104, 525-531.	3.1	56
63	Exact soliton of (2 \hat{A} + \hat{A} 1)-dimensional fractional Schrödinger equation. <i>Superlattices and Microstructures</i> , 2017, 107, 234-239.	3.1	38
64	Jacobian elliptic periodic traveling wave solutions for Biswasâ€“Milovic equation. <i>Optik</i> , 2017, 131, 582-587.	2.9	7
65	Bell and kink type soliton solutions in birefringent nano-fibers. <i>Optik</i> , 2017, 142, 327-333.	2.9	14
66	Dipole and Gausson soliton for ultrashort laser pulse with high order dispersion. <i>Superlattices and Microstructures</i> , 2017, 109, 504-510.	3.1	23
67	Symbolic computation and abundant travelling wave solutions to KdVâ€“mKdV equation. <i>Pramana - Journal of Physics</i> , 2017, 88, 1.	1.8	11
68	Solitary wave solutions for quintic complex Ginzburgâ€“Landau model. <i>Optik</i> , 2017, 149, 59-62.	2.9	10
69	Soliton solutions for quintic complex Ginzburg-Landau model. <i>Superlattices and Microstructures</i> , 2017, 110, 49-56.	3.1	17
70	Optical dark and dark-singular solitons with anti-cubic nonlinearity. <i>Optik</i> , 2017, 147, 27-31.	2.9	30
71	Optical solitons with time fractional nonlinear Schrödinger equation and competing weakly nonlocal nonlinearity. <i>Optik</i> , 2017, 130, 562-567.	2.9	59
72	New Thirring optical solitons with vector-coupled Schrödinger equations in birefringent fibers. <i>Waves in Random and Complex Media</i> , 2017, 27, 359-366.	2.7	11

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73	On optical solitons: the chiral nonlinear Schrödinger equation with perturbation and Bohm potential. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	80
74	Single and combined optical solitons with third order dispersion in Kerr media. <i>Optik</i> , 2016, 127, 8203-8208.	2.9	45
75	Saturation of the nonlinear refractive index for optical solitons in two-core fibers. <i>Optik</i> , 2016, 127, 5328-5333.	2.9	30
76	Combo-Solitons in Two-Core Nonlinear Optical Fibers. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 9109-9111.	0.4	3
77	Optical Soliton Like-Pulses in Ring-Cavity Fiber Lasers of Carbon Nanotubes. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2016, 11, 276-279.	0.5	47
78	Dispersive Optical Solitons in Nanofibers with Schrödinger-Hirota Equation. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2016, 11, 382-387.	0.5	32
79	ON CYCLE-SUPERMAGICNESS OF SUBDIVIDED GRAPHS. <i>Bulletin of the Australian Mathematical Society</i> , 2015, 92, 11-18.	0.5	0
80	Exact solitons in a medium with competing weakly nonlocal nonlinearity and parabolic law nonlinearity. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2015, 24, 1550049.	1.8	9
81	Traveling wave solutions for nonlinear dispersive water-wave systems with time-dependent coefficients. <i>Nonlinear Dynamics</i> , 2015, 82, 1755-1762.	5.2	31
82	Analytical and soliton solutions: Nonlinear model of nanobioelectronics transmission lines. <i>Applied Mathematics and Computation</i> , 2015, 265, 994-1002.	2.2	28
83	Multiple travelling wave solutions for electrical transmission line model. <i>Nonlinear Dynamics</i> , 2015, 82, 1317-1324.	5.2	57
84	Dispersive dark optical soliton in (2+1)-dimensions by G ² /G-expansion with dual-power law nonlinearity. <i>Optik</i> , 2015, 126, 5812-5814.	2.9	67
85	Optical Solitons for Ultrashort Pulses in Nano Fibers. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 10, 179-182.	0.5	27
86	Some new dispersive dromions and integrability analysis for the Davey-Stewartson (DS-II) model in fluid dynamics. <i>Modern Physics Letters B</i> , 0, , .	1.9	2
87	Abundant solitary wave structures of the higher dimensional Sakovich dynamical model. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	11