

# 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
19	Optical Soliton Like-Pulses in Ring-Cavity Fiber Lasers of Carbon Nanotubes. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 276-279.	0.5	47
20	Single and combined optical solitons with third order dispersion in Kerr media. Optik, 2016, 127, 8203-8208.	2.9	45
21	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
22	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
23	Soliton solutions, Painleve analysis and conservation laws for a nonlinear evolution equation. Results in Physics, 2021, 23, 103999.	4.1	41
24	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
25	Lump and rogue wave solutions for the Broer-Kaup-Kupershmidt system. Chinese Journal of Physics, 2020, 68, 19-27.	3.9	40
26	Exact soliton of $(2\hat{A}+1)$ -dimensional fractional Schrödinger equation. Superlattices and Microstructures, 2017, 107, 234-239.	3.1	38
27	A variety of exact solutions to $(2+1)$ -dimensional schrödinger equation. Waves in Random and Complex Media, 2020, 30, 490-499.	2.7	38
28	Weakly nonlinear electron-acoustic waves in the fluid ions propagated via a $(3+1)$ -dimensional generalized Korteweg-de-Vries-Zakharov-Kuznetsov equation in plasma physics. Results in Physics, 2022, 33, 105069.	4.1	37
29	Dispersive Optical Solitons in Nanofibers with Schrödinger-Hirota Equation. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 382-387.	0.5	32
30	Traveling wave solutions for nonlinear dispersive water-wave systems with time-dependent coefficients. Nonlinear Dynamics, 2015, 82, 1755-1762.	5.2	31
31	Saturation of the nonlinear refractive index for optical solitons in two-core fibers. Optik, 2016, 127, 5328-5333.	2.9	30
32	Optical dark and dark-singular solitons with anti-cubic nonlinearity. Optik, 2017, 147, 27-31.	2.9	30
33	Rogue wave solutions in nonlinear optics with coupled Schrödinger equations. Optical and Quantum Electronics, 2018, 50, 1.	3.3	30
34	Various optical soliton for a weak fractional nonlinear Schrödinger equation with parabolic law. Results in Physics, 2021, 23, 103998.	4.1	29
35	Analytical and soliton solutions: Nonlinear model of nanobioelectronics transmission lines. Applied Mathematics and Computation, 2015, 265, 994-1002.	2.2	28
36	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

#	ARTICLE	IF	CITATIONS
37	Optical Solitons for Ultrashort Pulses in Nano Fibers. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 179-182.	0.5	27
38	Optical soliton for perturbed nonlinear fractional Schrödinger equation by extended trial function method. Optical and Quantum Electronics, 2018, 50, 1.	3.3	26
39	Jacobian elliptic periodic traveling wave solutions in the negative-index materials. Nonlinear Dynamics, 2017, 87, 1967-1972.	5.2	24
40	Chirped and chirp-free optical solitons for Heisenberg ferromagnetic spin chains model. Modern Physics Letters B, 2021, 35, 2150139.	1.9	24
41	Dipole and Gausson soliton for ultrashort laser pulse with high order dispersion. Superlattices and Microstructures, 2017, 109, 504-510.	3.1	23
42	Study of breathers, rogue waves and lump solutions for the nonlinear chains of atoms. Optical and Quantum Electronics, 2022, 54, 1.	3.3	23
43	Chirped optical solitons in nanofibers. Modern Physics Letters B, 2018, 32, 1850320.	1.9	21
44	Dark and singular optical solitons for Kundu–Mukherjee–Naskar model. Modern Physics Letters B, 2020, 34, 2050074.	1.9	20
45	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
46	Analytical study of solitons for Lakshmanan–Porsezian–Daniel model with parabolic law nonlinearity. Optik, 2018, 168, 27-33.	2.9	19
47	Chirped optical solitons for Triki–Biswas equation. Modern Physics Letters B, 2019, 33, 1950264.	1.9	19
48	Stable propagation of optical solitons for nonlinear Schrödinger equation with dispersion and self phase modulation. Mathematics and Computers in Simulation, 2021, 179, 126-136.	4.4	18
49	Soliton solutions for quintic complex Ginzburg-Landau model. Superlattices and Microstructures, 2017, 110, 49-56.	3.1	17
50	Optical solitons in dual core fibers under various nonlinearities. Modern Physics Letters B, 2019, 33, 1950189.	1.9	17
51	A new approach to find eccentric indices of some graphs. Journal of Information and Optimization Sciences, 2020, 41, 865-877.	0.3	17
52	Chirped and dipole soliton in nonlinear negative-index materials. Optik, 2018, 172, 657-661.	2.9	16
53	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
54	Topological Indices of Certain Transformed Chemical Structures. Journal of Chemistry, 2020, 2020, 1-7.	1.9	16

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55	Lump and optical dromions for paraxial nonlinear Schrödinger equation. International Journal of Modern Physics B, 2021, 35, 2150078.	2.0	16
56	Diverse Multiple Lump Analytical Solutions for Ion Sound and Langmuir Waves. Mathematics, 2022, 10, 200.	2.2	16
57	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
58	New dispersive optical soliton for an nonlinear Schrödinger equation with Kudryashov law of refractive index along with P-test. Optical and Quantum Electronics, 2022, 54, 1.	3.3	15
59	Bell and kink type soliton solutions in birefringent nano-fibers. Optik, 2017, 142, 327-333.	2.9	14
60	Optical dromions for perturbed nonlinear Schrödinger equation with cubic quintic septic media. Optik, 2021, 226, 165955.	2.9	14
61	Painlevé analysis for various nonlinear Schrödinger dynamical equations. International Journal of Modern Physics B, 2021, 35, 2150038.	2.0	14
62	Multiple lump and rogue wave for time fractional resonant nonlinear Schrödinger equation under parabolic law with weak nonlocal nonlinearity. Optical and Quantum Electronics, 2022, 54, 212.	3.3	14
63	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
64	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
65	Solitary wave solutions along with Painleve analysis for the Ablowitz-Kaup-Newell-Segur water waves equation. Modern Physics Letters B, 2022, 36, .	1.9	12
66	Symbolic computation and abundant travelling wave solutions to KdV-mKdV equation. Pramana - Journal of Physics, 2017, 88, 1.	1.8	11
67	New Thirring optical solitons with vector-coupled Schrödinger equations in birefringent fibers. Waves in Random and Complex Media, 2017, 27, 359-366.	2.7	11
68	Dipole and combo solitons in DWDM systems. Optik, 2018, 158, 1073-1079.	2.9	11
69	Optical solitons in monomode fibers with higher order nonlinear Schrödinger equation. Optik, 2018, 154, 360-371.	2.9	11
70	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
71	Abundant solitary wave structures of the higher dimensional Sakovich dynamical model. Mathematical Methods in the Applied Sciences, 0, , .	2.3	11
72	Solitary wave solutions for quintic complex Ginzburg-Landau model. Optik, 2017, 149, 59-62.	2.9	10

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73	Exact optical solitons in $(n+1)$ -dimensions under anti-cubic law of nonlinearity. <i>Optik</i> , 2018, 156, 479-486.	2.9	10
74	Chirped Periodic and Solitary Waves for Improved Perturbed Nonlinear Schrödinger Equation with Cubic Quadratic Nonlinearity. <i>Fractal and Fractional</i> , 2021, 5, 234.	3.3	10
75	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
76	Exact optical solitons in $(n+1)$ -dimensions with anti-cubic nonlinearity. <i>Modern Physics Letters B</i> , 2018, 32, 1850071.	1.9	9
77	Jacobian elliptic periodic traveling wave solutions for Biswas-Milovic equation. <i>Optik</i> , 2017, 131, 582-587.	2.9	7
78	Diverse wave propagation in shallow water waves with the Kadomtsev-Petviashvili-Benjamin-Bona-Mahony and Benney-Luke integrable models. <i>Open Physics</i> , 2021, 19, 808-818.	1.7	7
79	Optical multi-wave, M-shaped rational solution, homoclinic breather, periodic cross-kink and various rational solutions with interactions for Radhakrishnan-Kundu-Lakshmanan dynamical model. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2023, 32, .	1.8	7
80	Multi lump and interaction solutions for Atangana conformable Boussinesq-like equation. <i>Results in Physics</i> , 2022, 34, 105187.	4.1	6
81	Diverse Forms of Breathers and Rogue Wave Solutions for the Complex Cubic Quintic Ginzburg Landau Equation with Intrapulse Raman Scattering. <i>Mathematics</i> , 2022, 10, 1818.	2.2	6
82	Edge Mostar Indices of Cacti Graph With Fixed Cycles. <i>Frontiers in Chemistry</i> , 2021, 9, 693885.	3.6	4
83	On solitons: Propagation of shallow water waves for the fifth-order KdV hierarchy integrable equation. <i>Open Physics</i> , 2022, 19, 828-842.	1.7	4
84	Combo-Solitons in Two-Core Nonlinear Optical Fibers. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 9109-9111.	0.4	3
85	Conserved densities and fluxes for nonlinear Schrödinger equations using scaling invariance approach. <i>Modern Physics Letters B</i> , 2020, 34, 2050275.	1.9	2
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	ON CYCLE-SUPERMAGICNESS OF SUBDIVIDED GRAPHS. <i>Bulletin of the Australian Mathematical Society</i> , 2015, 92, 11-18.	0.5	0