

Nauman Raza

List of Publications by Year in descending order

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89
papers

2,010
citations

218677

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple rational rogue waves for higher dimensional nonlinear evolution equations via symbolic computation approach. <i>Journal of Ocean Engineering and Science</i> , 2023, 8, 33-41.	4.3	7
2	Optical solitons and stability regions of the higher order nonlinear Schrödinger's equation in an inhomogeneous fiber. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2023, 24, 567-579.	1.0	5
3	New and more dual-mode solitary wave solutions for the Kraenkel-Manna-Merle system incorporating fractal effects. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 2964-2983.	2.3	7
4	A variety of fractional soliton solutions for three important coupled models arising in mathematical physics. <i>International Journal of Modern Physics B</i> , 2022, 36, .	2.0	9
5	Extraction of new bright and Kink soliton solutions related to Ginzburg Landau equation incorporating fractal effects. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	3.3	5
6	Complexiton and resonant multi-solitons of a (4 + 1)-dimensional Boiti-Leon-Manna-Pempinelli equation. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	3.3	16
7	Optical solitons related to (2+1)-dimensional Kundu-Mukherjee-Naskar model using an innovative integration architecture. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2022, 31, .	1.8	14
8	The homotopy simulation of MHD time dependent three dimensional shear thinning fluid flow over a stretching plate. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111888.	5.1	9
9	Abundant new optical soliton solutions related to q-deformed Sinh-Gordon model using two innovative integration architectures. <i>Results in Physics</i> , 2022, 35, 105358.	4.1	17
10	A variety of soliton solutions for the Mikhailov-Novikov-Wang dynamical equation via three analytical methods. <i>Journal of Geometry and Physics</i> , 2022, 176, 104515.	1.4	18
11	New Optical Solitons with Variational Principle and Collective Variable Strategy for Cold Bosons in Zig-Zag Optical Lattices. <i>Journal of Mathematics</i> , 2022, 2022, 1-14.	1.0	3
12	Abundant soliton-type solutions to the new generalized KdV equation via auto-Bäcklund transformations and extended transformed rational function technique. <i>Optical and Quantum Electronics</i> , 2022, 54, .	3.3	12
13	Phase characterization and new optical solitons of a pulse passing through nonlinear dispersive media. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	5
14	Painlevé analysis, dark and singular structures for pseudo-parabolic type equations. <i>Modern Physics Letters B</i> , 2022, 36, .	1.9	1
15	Optical solitons and qualitative analysis of nonlinear Schrodinger equation in the presence of self steepening and self frequency shift. <i>Results in Physics</i> , 2022, 39, 105753.	4.1	9
16	A study on single-iteration sobolev descent for linear initial value problems. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	7
17	Optical solitons in birefringent fibers with quadratic-cubic nonlinearity using three integration architectures. <i>AIP Advances</i> , 2021, 11, .	1.3	25
18	The unified method for abundant soliton solutions of local time fractional nonlinear evolution equations. <i>Results in Physics</i> , 2021, 22, 103979.	4.1	48

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19	Computational and bright soliton solutions and sensitivity behavior of Camassa-Holm and nonlinear Schrödinger dynamical equation. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150157.	2.0	15
20	Magneto-hydrodynamics (MHD) flow analysis with mixed convection moves through a stretching surface. <i>AIP Advances</i> , 2021, 11, .	1.3	30
21	New and more fractional soliton solutions related to generalized Davey-Stewartson equation using oblique wave transformation. <i>Modern Physics Letters B</i> , 2021, 35, 2150317.	1.9	11
22	Painlevé analysis of Fokas-Lenells equation with fractal temporal evolution. <i>Modern Physics Letters B</i> , 2021, 35, 2150351.	1.9	2
23	Sensitive visualization of the fractional wazwaz-benjamin-bona-mahony equation with fractional derivatives: A comparative analysis. <i>Results in Physics</i> , 2021, 25, 104171.	4.1	26
24	Fractional soliton dynamics of electrical microtubule transmission line model with local M-derivative. <i>Communications in Theoretical Physics</i> , 2021, 73, 095002.	2.5	12
25	Computational Soliton solutions for the variable coefficient nonlinear Schrödinger equation by collective variable method. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	9
26	Symbolic computation and sensitivity analysis of nonlinear Kudryashov's dynamical equation with applications. <i>Physica Scripta</i> , 2021, 96, 105216.	2.5	38
27	Practical analytical approaches for finding novel optical solitons in the single-mode fibers. <i>Chinese Journal of Physics</i> , 2021, 72, 475-486.	3.9	34
28	Extraction of new super-Gaussian solitons via collective variables. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	14
29	Novel optical solitons to the perturbed Gerdjikov-Ivanov equation via collective variables. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	8
30	Exact solutions for Kraenkel-Manna-Merle model in saturated ferromagnetic materials using \hat{I}^2 -derivative. <i>Physica Scripta</i> , 2021, 96, 124018.	2.5	17
31	Sensitive behavior and optical solitons of complex fractional Ginzburg-Landau equation: A comparative paradigm. <i>Results in Physics</i> , 2021, 28, 104533.	4.1	13
32	New auxiliary equation approach to derive solutions of fractional resonant Schrödinger equation. <i>Analysis and Mathematical Physics</i> , 2021, 11, 1.	1.3	19
33	Soliton solutions of the generalized Davey-Stewartson equation with full nonlinearities via three integrating schemes. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3091-3098.	6.1	21
34	An explicit plethora of soliton solutions for a new microtubules transmission lines model: A fractional comparison. <i>Modern Physics Letters B</i> , 2021, 35, .	1.9	4
35	Polynomial solution of singular differential equations using Weighted Sobolev gradients. <i>International Journal of Computer Mathematics</i> , 2020, 97, 1545-1561.	1.8	2
36	Optical solitons perturbation of Fokas-Lenells equation with full nonlinearity and dual dispersion. <i>Chinese Journal of Physics</i> , 2020, 63, 314-324.	3.9	59

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37	Dynamical analysis and phase portraits of two-mode waves in different media. Results in Physics, 2020, 19, 103650.	4.1	23
38	Chiral bright and dark soliton solutions of Schrödinger's equation in $(1+2)$ -dimensions. Ain Shams Engineering Journal, 2020, 11, 1237-1241.	6.1	23
39	Nonlinear self-adjointness, conserved quantities, bifurcation analysis and travelling wave solutions of a family of long-wave unstable lubrication model. Pramana - Journal of Physics, 2020, 94, 1.	1.8	29
40	Optical bright, dark and dipole solitons with derivative nonlinearity in the presence of parity-time-symmetric lattices. Modern Physics Letters B, 2020, 34, 2050174.	1.9	2
41	Abundant fractional solitons to the coupled nonlinear Schrödinger equations arising in shallow water waves. International Journal of Modern Physics B, 2020, 34, 2050162.	2.0	16
42	Dynamical behavior of micro-structured solids with conformable time fractional strain wave equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126683.	2.1	40
43	Improved $\Phi(x)$ -Expansion Approach for Burgers Equation in Nonlinear Dynamical Model of Ion Acoustic Waves. Brazilian Journal of Physics, 2020, 50, 254-262.	1.4	12
44	Optical solitons and stability analysis for the generalized second-order nonlinear Schrödinger equation in an optical fiber. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 855-863.	1.0	35
45	MODULATION INSTABILITY AND OPTICAL SOLITONS OF RADHAKRISHNAN-KLUNDU-LAKSHMANAN MODEL. Journal of Applied Analysis and Computation, 2020, 10, 1375-1395.	0.5	2
46	New optical solitons in nonlinear negative-index materials with Bohm potential. Indian Journal of Physics, 2019, 93, 657-663.	1.8	10
47	Heat transfer analysis of Walters-B fluid with Newtonian heating through an oscillating vertical plate by using fractional Caputo-Fabrizio derivatives. Mechanics of Time-Dependent Materials, 2019, 23, 133-151.	4.4	7
48	Chiral solitons of the $(1 + 2)$ -dimensional nonlinear Schrodinger's equation. Modern Physics Letters B, 2019, 33, 1950401.	1.9	22
49	Dynamics of optical solitons incorporating Kerr dispersion and self-frequency shift. Modern Physics Letters B, 2019, 33, 1950220.	1.9	4
50	Optical solitons for coupled Fokas-Lenells equation in birefringence fibers. Modern Physics Letters B, 2019, 33, 1950317.	1.9	44
51	Dipole and Combo Optical Solitons in Birefringent Fibers in the Presence of Four-Wave Mixing. Communications in Theoretical Physics, 2019, 71, 723.	2.5	10
52	Optical dark and singular solitons of generalized nonlinear Schrödinger's equation with anti-cubic law of nonlinearity. Modern Physics Letters B, 2019, 33, 1950158.	1.9	27
53	New exact spatial and periodic-singular soliton solutions in nematic liquid crystal. Optical and Quantum Electronics, 2019, 51, 1.	3.3	7
54	Optical solitons in nematic liquid crystals with Kerr and parabolic law nonlinearities. Optical and Quantum Electronics, 2019, 51, 1.	3.3	79

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55	Multi-solitons of Thermophoretic Motion Equation Depicting the Wrinkle Propagation in Substrate-Supported Graphene Sheets. <i>Communications in Theoretical Physics</i> , 2019, 71, 362.	2.5	98
56	Analytical study of resonant optical solitons with variable coefficients in Kerr and non-Kerr law media. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	66
57	Explicit solutions of the (2 + 1)-dimensional Hirota-Maccari system arising in nonlinear optics. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950360.	2.0	42
58	Bright and dark solitons in (n+1)-dimensions with spatio-temporal dispersion. <i>Journal of Optics (India)</i> , 2019, 48, 594-605.	1.7	7
59	Generalization of optical solitons with dual dispersion in the presence of Kerr and quadratic-cubic law nonlinearities. <i>Modern Physics Letters B</i> , 2019, 33, 1850427.	1.9	20
60	An analytical method for soliton solutions of perturbed Schrödinger's equation with quadratic-cubic nonlinearity. <i>Modern Physics Letters B</i> , 2019, 33, 1950018.	1.9	58
61	Unsteady magneto-hydrodynamics flow between two orthogonal moving porous plates. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	107
62	Dynamics of optical solitons with Radhakrishnan-Kundu-Lakshmanan model via two reliable integration schemes. <i>Optik</i> , 2019, 178, 557-566.	2.9	30
63	On soliton solutions of time fractional form of Sawada-Kotera equation. <i>Nonlinear Dynamics</i> , 2019, 95, 391-405.	5.2	63
64	Optical dark and dark-singular soliton solutions of (1+2)-dimensional chiral nonlinear Schrodinger's equation. <i>Waves in Random and Complex Media</i> , 2019, 29, 496-508.	2.7	89
65	Exact periodic and explicit solutions of higher dimensional equations with fractional temporal evolution. <i>Optik</i> , 2018, 156, 628-634.	2.9	41
66	Analytical soliton solutions of Biswas-Milovic equation in Kerr and non-Kerr law media. <i>Optik</i> , 2018, 157, 993-1002.	2.9	39
67	Optical dark and singular solitons to the Biswas-Milovic equation in nonlinear optics with spatio-temporal dispersion. <i>Optik</i> , 2018, 158, 1049-1057.	2.9	54
68	Effects of heat and mass transfer on unsteady boundary layer flow of a chemical reacting Casson fluid. <i>Results in Physics</i> , 2018, 8, 610-620.	4.1	39
69	New exact periodic elliptic wave solutions for extended quantum Zakharov-Kuznetsov equation. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	17
70	Optical soliton solutions of the cubic-quintic non-linear Schrödinger's equation including an anti-cubic term. <i>Journal of Modern Optics</i> , 2018, 65, 1431-1436.	1.3	30
71	Exact periodic and explicit solutions of the conformable time fractional Ginzburg Landau equation. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	18
72	Analysis of blood flow with nanoparticles induced by uniform magnetic field through a circular cylinder with fractional Caputo derivatives. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 446, 28-36.	2.3	15

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73	Exact Solutions of Nonlinear Diffusive Predator-Prey System by New Extension of Tanh Method. Journal of Computational and Theoretical Nanoscience, 2018, 15, 3195-3200.	0.4	2
74	New optical solitons of TzitzeÅca type evolution equations using extended trial approach. Optical and Quantum Electronics, 2018, 50, 1.	3.3	1
75	Approximate Solution and Analysis of Smoking Epidemic Model with Caputo Fractional Derivatives. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	1.6	13
76	On solitons: the biomolecular nonlinear transmission line models with constant and time variable coefficients. Waves in Random and Complex Media, 2018, 28, 553-569.	2.7	28
77	Analytic study on optical solitons in parity-time-symmetric mixed linear and nonlinear modulation lattices with non-Kerr nonlinearities. Optik, 2018, 173, 249-262.	2.9	34
78	Bright, dark and dark-singular soliton solutions of nonlinear SchrÅdinger's equation with spatio-temporal dispersion. Journal of Modern Optics, 2018, 65, 1975-1982.	1.3	39
79	Singular and dark optical solitons to the well posed LakshmananÅPorsezianÅDaniel model. Optik, 2018, 171, 120-129.	2.9	51
80	Semi-analytical technique for the solution of fractional Maxwell fluid. Canadian Journal of Physics, 2017, 95, 472-478.	1.1	21
81	A hybrid technique for the solution of unsteady Maxwell fluid with fractional derivatives due to tangential shear stress. Fluid Dynamics, 2017, 52, 713-721.	0.9	4
82	Approximate Solution of Nonlinear Klein-Gordon Equation Using Sobolev Gradients. Journal of Function Spaces, 2016, 2016, 1-7.	0.9	2
83	NUMERICAL SOLUTIONS OF INTEGRO-DIFFERENTIAL EQUATIONS USING SOBOLEV GRADIENT METHODS. International Journal of Computational Methods, 2012, 09, 1250046.	1.3	6
84	SIMULATION STUDY OF PROPAGATION OF PULSES IN OPTICAL FIBER COMMUNICATION SYSTEMS USING SOBOLEV GRADIENT AND SPLIT-STEP FOURIER METHODS. International Journal of Computational Methods, 2009, 06, 119-130.	1.3	4
85	The chaotic, supernonlinear, periodic, quasiperiodic wave solutions and solitons with cascaded system. Waves in Random and Complex Media, 0, , 1-15.	2.7	9
86	Computational approach and flow analysis of chemically reactive tangent hyperbolic nanofluid over a cone and plate. Waves in Random and Complex Media, 0, , 1-15.	2.7	12
87	An effective computational approach and sensitivity analysis to pseudo-parabolic-type equations. Waves in Random and Complex Media, 0, , 1-15.	2.7	7
88	Computational approach and dynamical aspects of fractional second grade fluid with heat and mass transport in cylindrical domain. Waves in Random and Complex Media, 0, , 1-20.	2.7	1
89	A novel approach of numerical optimization for control theory problems based on generalization of Gigena's method. Asian Journal of Control, 0, , .	3.0	0