Dipankar Kumar

List of Publications by Year
in descending order

51	1,660	331259	301761
papers	citations	21	39
		h-index	g-index

53	53	53	571
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Kudryashov method via new exact solutions for some conformable fractional differential equations arising in mathematical biology. Chinese Journal of Physics, 2018, 56, 75-85.	2.0	222
2	The sine-Gordon expansion method to look for the traveling wave solutions of the Tzitzéica type equations in nonlinear optics. Optik, 2017, 149, 439-446.	1.4	126
3	The system of equations for the ion sound and Langmuir waves and its new exact solutions. Results in Physics, 2018, 9, 1631-1634.	2.0	103
4	New Exact Traveling Wave Solutions of the Unstable Nonlinear Schrödinger Equations. Communications in Theoretical Physics, 2017, 68, 761.	1.1	101
5	Dispersive optical soliton solutions for the hyperbolic and cubic-quintic nonlinear Schrödinger equations via the extended sinh-Gordon equation expansion method. European Physical Journal Plus, 2018, 133, 1.	1.2	100
6	New exact solutions of the coupled sine-Gordon equations in nonlinear optics using the modified Kudryashov method. Journal of Modern Optics, 2018, 65, 361-364.	0.6	91
7	New closed form soliton and other solutions of the Kundu–Eckhaus equation via the extended sinh-Gordon equation expansion method. Optik, 2018, 160, 159-167.	1.4	84
8	New optical solitons of cubic-quartic nonlinear Schrödinger equation. Optik, 2018, 157, 1101-1105.	1.4	72
9	Dynamics of two-mode Sawada-Kotera equation: Mathematical and graphical analysis of its dual-wave solutions. Results in Physics, 2020, 19, 103581.	2.0	58
10	Optical solitons in metamaterials with third and fourth order dispersions. Optical and Quantum Electronics, 2022, 54, 1.	1.5	57
11	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.	1.7	53
12	Applications of three methods for obtaining optical soliton solutions for the Lakshmanan–Porsezian–Daniel model with Kerr law nonlinearity. Pramana - Journal of Physics, 2020, 94, 1.	0.9	50
13	Multiple soliton solutions of the nonlinear partial differential equations describing the wave propagation in nonlinear low–pass electrical transmission lines. Chaos, Solitons and Fractals, 2018, 115, 62-76.	2.5	43
14	New complex hyperbolic and trigonometric solutions for the generalized conformable fractional Gardner equation. Modern Physics Letters B, 2019, 33, 1950196.	1.0	39
15	Modified Kudryashov method and its application to the fractional version of the variety of Boussinesq-like equations in shallow water. Optical and Quantum Electronics, 2018, 50, 1.	1.5	33
16	Application of the modified Kudryashov method to the generalized Schrödinger–Boussinesq equations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	32
17	Investigation of dynamics of nematicons in liquid crystals by extended sinh-Gordon equation expansion method. Optical and Quantum Electronics, 2019, 51, 1.	1.5	32
18	A Variety of Novel Exact Solutions for Different Models With the Conformable Derivative in Shallow Water. Frontiers in Physics, 2020, 8, .	1.0	31

#	Article	IF	Citations
19	New analytical solutions of (2+1)-dimensional conformable time fractional Zoomeron equation via two distinct techniques. Chinese Journal of Physics, 2018, 56, 2173-2185.	2.0	29
20	New explicit soliton and other solutions for the conformable fractional Biswas–Milovic equation with Kerr and parabolic nonlinearity through an integration scheme. Optik, 2018, 170, 190-202.	1.4	29
21	On new complex soliton structures of the nonlinear partial differential equation describing the pulse narrowing nonlinear transmission lines. Optical and Quantum Electronics, 2018, 50, 1.	1.5	24
22	On some novel solution solutions to the generalized Schrödinger-Boussinesq equations for the interaction between complex short wave and real long wave envelope. Journal of Ocean Engineering and Science, 2022, 7, 353-362.	1.7	23
23	Wave propagation of resonance multi-stripes, complexitons, and lump and its variety interaction solutions to the (2+1)-dimensional pKP equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 100, 105853.	1.7	22
24	Optical solutions to the Kundu-Mukherjee-Naskar equation: mathematical and graphical analysis with oblique wave propagation. Physica Scripta, 2021, 96, 025218.	1.2	20
25	On the propagation of alphabetic-shaped solitons to the (2+1)-dimensional fractional electrical transmission line model with wave obliqueness. Results in Physics, 2020, 19, 103641.	2.0	15
26	Solitary and periodic wave solutions to the family of nonlinear conformable fractional Boussinesq–like equations. Mathematical Methods in the Applied Sciences, 2021, 44, 3138-3158.	1.2	14
27	Construction of traveling wave solutions of the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. Partial Differential Equations in Applied Mathematics, 2021, 4, 100040.	1.3	14
28	Characteristics of lump-kink and their fission-fusion interactions, rogue, and breather wave solutions for a (3+1)-dimensional generalized shallow water equation. International Journal of Computer Mathematics, 2022, 99, 714-736.	1.0	12
29	Construction of exotical soliton-like for a fractional nonlinear electrical circuit equation using differential-difference Jacobi elliptic functions sub-equation method. Results in Physics, 2022, 32, 105086.	2.0	12
30	Implementation of three reliable methods for finding the exact solutions of (2+1) dimensional generalized fractional evolution equations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	11
31	Automatic Shoreline Position and Intertidal Foreshore Slope Detection from X-Band Radar Images using Modified Temporal Waterline Method with Corrected Wave Run-up. Journal of Marine Science and Engineering, 2019, 7, 45.	1.2	10
32	Fractional low-pass electrical transmission line model: Dynamic behaviors of exact solutions with the impact of fractionality and free parameters. Results in Physics, 2021, 27, 104457.	2.0	10
33	Optical Soliton in Nonlocal Nonlinear Medium with Cubic-Quintic Nonlinearities and Spatio-Temporal Dispersion. Acta Physica Polonica A, 2018, 134, 1204-1210.	0.2	9
34	The radius spectrum of solid grains settling in gaseous giant protoplanets. Earth Science Informatics, 2013, 6, 137-144.	1.6	8
35	A variety of exact analytical solutions of extended shallow water wave equations via improved (G′/G) -expansion method. International Journal of Physical Research, 2016, 5, 21-27.	0.5	7
36	Extraction of Solitary Wave Features to the Heisenberg Ferromagnetic Spin Chain and the Complex Klein–Gordon Equations. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	7

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37	Lump, lump-stripe, and breather wave solutions to the (2â€¯+â€¯1)-dimensional Sawada-Kotera equation in fluid mechanics. Heliyon, 2021, 7, e07966.	1.4	7
38	An effective computational approach and sensitivity analysis to pseudo-parabolic-type equations. Waves in Random and Complex Media, 0, , 1-15.	1.6	7
39	Novel localized waves and interaction solutions for a dimensionally reduced (2â€‰+â€‰1)-dimensional Boussinesq equation from N-soliton solutions. Nonlinear Dynamics, 2022, 107, 2717-2743.	2.7	7
40	The analysis of conservation laws, symmetries and solitary wave solutions of Burgersâ€"Fisher equation. International Journal of Modern Physics B, 2021, 35, .	1.0	6
41	New exact solutions of the combined and double combined sinh-cosh-Gordon equations via modified Kudryashov method. International Journal of Physical Research, 2017, 6, 25-30.	0.5	6
42	A variety of novel closedâ€form soliton solutions to the family of Boussinesqâ€like equations with different types. Journal of Ocean Engineering and Science, 2022, 7, 543-554.	1.7	5
43	Conservation laws and optical solutions of the complex modified Korteweg-de Vries equation. Journal of Ocean Engineering and Science, 2022, , .	1.7	5
44	Analytic solutions of the chiral nonlinear schrÃƒÂ¶dinger equations investigated by an efficient approach. International Journal of Physical Research, 2019, 7, 94-99.	0.5	3
45	Dynamical analysis of lump, lump-triangular periodic, predictable rogue and breather wave solutions to the (3Â+Â1)-dimensional gKPâ€"Boussinesq equation. Results in Physics, 2020, 19, 103525.	2.0	3
46	Solving protoplanetary structure equations using Adomian decomposition method. Heliyon, 2021, 7, e08213.	1.4	3
47	Effects of Rotation on Transient Fluid Flow and Heat Transfer Through a Curved Square Duct: The Case of Negative Rotation. International Journal of Applied Mechanics and Engineering, 2021, 26, 29-50.	0.3	3
48	Application of the extended exp(-ÃƒÂ¢â€¬(ÃƒÅ½Â¾))-expansion method to the nonlinear conformable time-fractional partial differential equations. International Journal of Physical Research, 2019, 7, 81-93.	0.5	1
49	Lumps with their some interactions and breathers to an integrable (2Â+Â1)-dimensional Boussinesq equation in shallow water. Results in Physics, 2022, 38, 105642.	2.0	1
50	Sedimentation in Dune Forests, Mangrove Forests and CC Block System and Associated Topographic Changes. Journal of the Bangladesh Academy of Sciences, 2019, 43, 67-78.	0.1	0
51	Estimation of Shoreline Positions by Combining X-band Radar and SAR Observations. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, I_979-I_984.	0.0	0