

Dipankar Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8593275/publications.pdf>

Version: 2024-02-01

51
papers

1,660
citations

331259

21
h-index

301761

39
g-index

53
all docs

53
docs citations

53
times ranked

571
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of lump-kink and their fission-fusion interactions, rogue, and breather wave solutions for a (3+1)-dimensional generalized shallow water equation. <i>International Journal of Computer Mathematics</i> , 2022, 99, 714-736.	1.0	12
2	On some novel solution solutions to the generalized Schrödinger-Boussinesq equations for the interaction between complex short wave and real long wave envelope. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 353-362.	1.7	23
3	A variety of novel closed-form soliton solutions to the family of Boussinesq-like equations with different types. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 543-554.	1.7	5
4	Construction of exotical soliton-like for a fractional nonlinear electrical circuit equation using differential-difference Jacobi elliptic functions sub-equation method. <i>Results in Physics</i> , 2022, 32, 105086.	2.0	12
5	Novel localized waves and interaction solutions for a dimensionally reduced (2+1)-dimensional Boussinesq equation from N-soliton solutions. <i>Nonlinear Dynamics</i> , 2022, 107, 2717-2743.	2.7	7
6	Optical solitons in metamaterials with third and fourth order dispersions. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	57
7	Conservation laws and optical solutions of the complex modified Korteweg-de Vries equation. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	5
8	Lumps with their some interactions and breathers to an integrable (2+1)-dimensional Boussinesq equation in shallow water. <i>Results in Physics</i> , 2022, 38, 105642.	2.0	1
9	Solitary and periodic wave solutions to the family of nonlinear conformable fractional Boussinesq-like equations. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3138-3158.	1.2	14
10	The analysis of conservation laws, symmetries and solitary wave solutions of Burgers-Fisher equation. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	6
11	Fractional low-pass electrical transmission line model: Dynamic behaviors of exact solutions with the impact of fractionality and free parameters. <i>Results in Physics</i> , 2021, 27, 104457.	2.0	10
12	Lump, lump-stripe, and breather wave solutions to the (2+1)-dimensional Sawada-Kotera equation in fluid mechanics. <i>Heliyon</i> , 2021, 7, e07966.	1.4	7
13	Wave propagation of resonance multi-stripes, complexitons, and lump and its variety interaction solutions to the (2+1)-dimensional pKP equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 100, 105853.	1.7	22
14	Construction of traveling wave solutions of the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. <i>Partial Differential Equations in Applied Mathematics</i> , 2021, 4, 100040.	1.3	14
15	Optical solutions to the Kundu-Mukherjee-Naskar equation: mathematical and graphical analysis with oblique wave propagation. <i>Physica Scripta</i> , 2021, 96, 025218.	1.2	20
16	Solving protoplanetary structure equations using Adomian decomposition method. <i>Heliyon</i> , 2021, 7, e08213.	1.4	3
17	Effects of Rotation on Transient Fluid Flow and Heat Transfer Through a Curved Square Duct: The Case of Negative Rotation. <i>International Journal of Applied Mechanics and Engineering</i> , 2021, 26, 29-50.	0.3	3
18	Dynamics of two-mode Sawada-Kotera equation: Mathematical and graphical analysis of its dual-wave solutions. <i>Results in Physics</i> , 2020, 19, 103581.	2.0	58

#	ARTICLE	IF	CITATIONS
19	Dynamical analysis of lump, lump-triangular periodic, predictable rogue and breather wave solutions to the (3+1)-dimensional gKP-Boussinesq equation. Results in Physics, 2020, 19, 103525.	2.0	3
20	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
21	A Variety of Novel Exact Solutions for Different Models With the Conformable Derivative in Shallow Water. Frontiers in Physics, 2020, 8, .	1.0	31
22	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
23	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
24	Analytic solutions of the chiral nonlinear Schrödinger equations investigated by an efficient approach. International Journal of Physical Research, 2019, 7, 94-99.	0.5	3
25	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
26	New complex hyperbolic and trigonometric solutions for the generalized conformable fractional Gardner equation. Modern Physics Letters B, 2019, 33, 1950196.	1.0	39
27	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
28	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
29	Application of the extended $\exp(-\xi^{\alpha})$ -expansion method to the nonlinear conformable time-fractional partial differential equations. International Journal of Physical Research, 2019, 7, 81-93.	0.5	1
30	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
31	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
32	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
33	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
34	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
35	New optical solitons of cubic-quartic nonlinear Schrödinger equation. Optik, 2018, 157, 1101-1105.	1.4	72
36	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

#	ARTICLE	IF	CITATIONS
37	New analytical solutions of $(2\alpha + 1)$ -dimensional conformable time fractional Zoomeron equation via two distinct techniques. Chinese Journal of Physics, 2018, 56, 2173-2185.	2.0	29
38	Multiple soliton solutions of the nonlinear partial differential equations describing the wave propagation in nonlinear lossless electrical transmission lines. Chaos, Solitons and Fractals, 2018, 115, 62-76.	2.5	43
39	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
40	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
41	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
42	Application of the modified Kudryashov method to the generalized Schrödinger-Boussinesq equations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	32
43	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
44	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, 1_979-1_984.	0.0	0
45	The sine-Gordon expansion method to look for the traveling wave solutions of the Tzitzica type equations in nonlinear optics. Optik, 2017, 149, 439-446.	1.4	126
46	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
47	New Exact Traveling Wave Solutions of the Unstable Nonlinear Schrödinger Equations. Communications in Theoretical Physics, 2017, 68, 761.	1.1	101
48	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
49	A variety of exact analytical solutions of extended shallow water wave equations via improved $(G\frac{\partial}{\partial x}, \frac{\partial}{\partial t}, \frac{\partial}{\partial z})$ -expansion method. International Journal of Physical Research, 2016, 5, 21-27.	0.5	7
50	The radius spectrum of solid grains settling in gaseous giant protoplanets. Earth Science Informatics, 2013, 6, 137-144.	1.6	8
51	An effective computational approach and sensitivity analysis to pseudo-parabolic-type equations. Waves in Random and Complex Media, 0, , 1-15.	1.6	7