S Saha Ray

List of Publications by Year
in descending order

147 papers	3,296 citations	159585 30 h-index	206112 48 g-index
148 all docs	148 docs citations	148 times ranked	1341 citing authors

#	Article	IF	Citations
1	An approximate solution of a nonlinear fractional differential equation by Adomian decomposition method. Applied Mathematics and Computation, 2005, 167, 561-571.	2.2	184
2	Analytical solution of the Bagley Torvik equation by Adomian decomposition method. Applied Mathematics and Computation, 2005, 168, 398-410.	2.2	137
3	On Haar wavelet operational matrix of general order and its application for the numerical solution of fractional Bagley Torvik equation. Applied Mathematics and Computation, 2012, 218, 5239-5248.	2.2	123
4	Improved fractional sub-equation method for (3+1) -dimensional generalized fractional KdVâ€“Zakharovâ€“Kuznetsov equations. Computers and Mathematics With Applications, 2015, 70, 158-166.	2.7	113
5	Analytical solution of a fractional diffusion equation by Adomian decomposition method. Applied Mathematics and Computation, 2006, 174, 329-336.	2.2	85
6	Lie symmetry analysis for similarity reduction and exact solutions of modified KdVâ€“Zakharovâ€“Kuznetsov equation. Nonlinear Dynamics, 2017, 87, 1995-2000.	5.2	67
7	Analytical Solution of a Dynamic System Containing Fractional Derivative of Order One-Half by Adomian Decomposition Method. Journal of Applied Mechanics, Transactions ASME, 2005, 72, 290-295.	2.2	64
8	A numerical solution of the coupled sine-Gordon equation using the modified decomposition method. Applied Mathematics and Computation, 2006, 175, 1046-1054.	2.2	61
9	An Explicit Finite Difference scheme for numerical solution of fractional neutron point kinetic equation. Annals of Nuclear Energy, 2012, 41, 61-66.	1.8	60
10	On conservation laws by Lie symmetry analysis for (2+1)-dimensional Bogoyavlenskyâ€“Konopelchenko equation in wave propagation. Computers and Mathematics With Applications, 2017, 74, 1158-1165.	2.7	58
11	Solitary wave solutions for time fractional third order modified KdV equation using two reliable techniques <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si191.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:msup><mml:mrow><mml:mi>G</mml:mi></mml:mrow><mml:mrow><m method and improved <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" al. Physica A: Statistical Mechanics and its Applications, 2016, 448, 265-282.	2.6	57
12	Comparison between homotopy perturbation method and optimal homotopy asymptotic method for the soliton solutions of Boussinesqâ€“Burger equations. Computers and Fluids, 2014, 103, 34-41.	2.5	56
13	Numerical treatment for the solution of fractional fifth-order Sawadaâ€“Kotera equation using second kind Chebyshev wavelet method. Applied Mathematical Modelling, 2015, 39, 5121-5130.	4.2	56
14	New analytical exact solutions of time fractional KdVâ€“KZK equation by Kudryashov methods. Chinese Physics B, 2016, 25, 040204.	1.4	56
15	New exact solutions of nonlinear fractional acoustic wave equations in ultrasound. Computers and Mathematics With Applications, 2016, 71, 859-868.	2.7	52
16	Lie symmetry analysis and exact solutions of (3<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 152 Td (xmlns:mml="http://www.w3.o equation in mathematical physics. Computers and Mathematics With Applications, 2017, 73, 253-260.	2.7	49
17	Analytical approximate solution of nonlinear dynamic system containing fractional derivative by modified decomposition method. Applied Mathematics and Computation, 2006, 182, 544-552.	2.2	45
18	Haar wavelet operational methods for the numerical solutions of fractional order nonlinear oscillatory Van der Pol system. Applied Mathematics and Computation, 2013, 220, 659-667.	2.2	45

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19	A new Bernoulli wavelet method for accurate solutions of nonlinear fuzzy Hammersteinâ€“Volterra delay integral equations. Fuzzy Sets and Systems, 2017, 309, 131-144.	2.7	43
20	A Novel Analytical Method with Fractional Complex Transform for New Exact Solutions of Time-Fractional Fifth-Order Sawada-Kotera Equation. Reports on Mathematical Physics, 2015, 75, 63-72.	0.8	41
21	New exact solutions of coupled Boussinesqâ€“Burgers equations by Exp-function method. Journal of Ocean Engineering and Science, 2017, 2, 34-46.	4.3	40
22	Numerical solution of fractional stochastic neutron point kinetic equation for nuclear reactor dynamics. Annals of Nuclear Energy, 2013, 54, 154-161.	1.8	39
23	A novel method for travelling wave solutions of fractional Whithamâ€“Broerâ€“Kaup, fractional modified Boussinesq and fractional approximate long wave equations in shallow water. Mathematical Methods in the Applied Sciences, 2015, 38, 1352-1368.	2.3	38
24	Solution of an extraordinary differential equation by Adomian decomposition method. Journal of Applied Mathematics, 2004, 2004, 331-338.	0.9	37
25	Numerical simulation of stochastic point kinetic equation in the dynamical system of nuclear reactor. Annals of Nuclear Energy, 2012, 49, 154-159.	1.8	36
26	Dispersive optical solitons of time-fractional SchrÃ¶dingerâ€“Hirota equation in nonlinear optical fibers. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122619.	2.6	35
27	New Exact Solutions of Fractional Zakharovâ€”Kuznetsov and Modified Zakharovâ€”Kuznetsov Equations Using Fractional Sub-Equation Method. Communications in Theoretical Physics, 2015, 63, 25-30.	2.5	34
28	Analytical approximate solutions of Riesz fractional diffusion equation and Riesz fractional advectionâ€“dispersion equation involving nonlocal space fractional derivatives. Mathematical Methods in the Applied Sciences, 2015, 38, 2840-2849.	2.3	34
29	New Optical Soliton Solutions of Nolinear Evolution Equation Describing Nonlinear Dispersion. Communications in Theoretical Physics, 2019, 71, 1063.	2.5	34
30	New exact solutions for time-fractional Kaup-Kupershmidt equation using improved (Gâ€²/G)-expansion and extended (Gâ€²/G)-expansion methods. AEJ - Alexandria Engineering Journal, 2020, 59, 3105-3110.	6.4	33
31	Two efficient reliable methods for solving fractional fifth order modified Sawadaâ€“Kotera equation appearing in mathematical physics. Journal of Ocean Engineering and Science, 2016, 1, 219-225.	4.3	32
32	The solution of coupled fractional neutron diffusion equations with delayed neutrons. International Journal of Nuclear Energy Science and Technology, 2010, 5, 105.	0.0	31
33	Analysis of Lie symmetries with conservation laws for the (3+1) dimensional time-fractional mKdVâ€“ZK equation in ion-acoustic waves. Nonlinear Dynamics, 2017, 90, 1105-1113.	5.2	31
34	On the solitary wave solution of fractional Kudryashovâ€“Sinelshchikov equation describing nonlinear wave processes in a liquid containing gas bubbles. Applied Mathematics and Computation, 2017, 298, 1-12.	2.2	31
35	Comparison on wavelets techniques for solving fractional optimal control problems. JVC/Journal of Vibration and Control, 2018, 24, 1185-1201.	2.6	31
36	Application of modified decomposition method for the analytical solution of space fractional diffusion equation. Applied Mathematics and Computation, 2008, 196, 294-302.	2.2	30

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37	On the Solutions of Fractional Burgers-Fisher and Generalized Fisherâ€™s Equations Using Two Reliable Methods. International Journal of Mathematics and Mathematical Sciences, 2014, 2014, 1-16.	0.7	30
38	On the Solution of the Nonlinear Fractional Neutron Point-Kinetics Equation with Newtonian Temperature Feedback Reactivity. Nuclear Technology, 2015, 189, 103-109.	1.2	30
39	An investigation with Hermite Wavelets for accurate solution of Fractional Jaulentâ€“Miodek equation associated with energy-dependent SchrÃ¶dinger potential. Applied Mathematics and Computation, 2015, 270, 458-471.	2.2	30
40	New double periodic exact solutions of the coupled SchrÃ¶dingerâ€“Boussinesq equations describing physical processes in laser and plasma physics. Chinese Journal of Physics, 2017, 55, 2039-2047.	3.9	28
41	New approach to find exact solutions of time-fractional Kuramotoâ€“Sivashinsky equation. Physica A: Statistical Mechanics and Its Applications, 2015, 434, 240-245.	2.6	26
42	New solitary wave solutions of time-fractional coupled Jaulentâ€“Miodek equation by using two reliable methods. Nonlinear Dynamics, 2016, 85, 1167-1176.	5.2	26
43	Numerical Solution of Fractional Partial Differential Equation of Parabolic Type With Dirichlet Boundary Conditions Using Two-Dimensional Legendre Wavelets Method. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	26
44	Invariant analysis with conservation laws for the time fractional Drinfeldâ€“Sokolovâ€“Satsumaâ€“Hirota equations. Chaos, Solitons and Fractals, 2017, 104, 725-733.	5.1	26
45	The analytical approximate solution of the multi-term fractionally damped Van der Pol equation. Physica Scripta, 2009, 80, 025003.	2.5	23
46	Homotopy perturbation sumudu transform method for solving convective radial fins with temperature-dependent thermal conductivity of fractional order energy balance equation. International Journal of Heat and Mass Transfer, 2014, 76, 162-170.	4.8	23
47	New double-periodic solutions of fractional Drinfeldâ€“Sokolovâ€“Wilson equation in shallow water waves. Nonlinear Dynamics, 2017, 88, 1869-1882.	5.2	23
48	Two-dimensional Legendre wavelet method for travelling wave solutions of time-fractional generalized seventh order KdV equation. Computers and Mathematics With Applications, 2017, 73, 1118-1133.	2.7	23
49	Invariant analysis and conservation laws of (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 277 Td (xmlns:mml="http://ww dimensional time-fractional ZKâ€“BBM equation in gravity water waves. Computers and Mathematics With Applications, 2018, 75, 2271-2279.	2.7	22
50	A plentiful supply of soliton solutions for DNA Peyrardâ€“Bishop equation by means of a new auxiliary equation strategy. International Journal of Modern Physics B, 2021, 35, .	2.0	22
51	Numerical simulation based on Haar wavelet operational method to solve neutron point kinetics equation involving sinusoidal and pulse reactivity. Annals of Nuclear Energy, 2014, 73, 408-412.	1.8	21
52	A two-dimensional Haar wavelet approach for the numerical simulations of time and space fractional Fokkerâ€“Planck equations in modelling of anomalous diffusion systems. Journal of Mathematical Chemistry, 2014, 52, 2277-2293.	1.5	21
53	A new method for exact solutions of variant types of timeâ€fractional Kortewegâ€de Vries equations in shallow water waves. Mathematical Methods in the Applied Sciences, 2017, 40, 106-114.	2.3	21
54	Soliton solutions for time fractional coupled modified KdV equations using new coupled fractional reduced differential transform method. Journal of Mathematical Chemistry, 2013, 51, 2214-2229.	1.5	19

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55	Numerical solutions for the system of Fredholm integral equations of second kind by a new approach involving semiorthogonal B-spline wavelet collocation method. Applied Mathematics and Computation, 2014, 234, 368-379.	2.2	19
56	The comparison of two reliable methods for accurate solution of time-fractional Kaup-Kupershmidt equation arising in capillary gravity waves. Mathematical Methods in the Applied Sciences, 2016, 39, 583-592.	2.3	19
57	Lie symmetry analysis and reduction for exact solution of (2+1)-dimensional Bogoyavlenskyâ€“Konopelchenko equation by geometric approach. Modern Physics Letters B, 2018, 32, 1850127.	1.9	19
58	On the solution of time-fractional KdVâ€“Burgers equation using Petrovâ€“Galerkin method for propagation of long wave in shallow water. Chaos, Solitons and Fractals, 2018, 116, 376-380.	5.1	19
59	Lie symmetries, exact solutions and conservation laws of the Oskolkovâ€“Benjaminâ€“Bonaâ€“Mahonyâ€“Burgers equation. Modern Physics Letters B, 2020, 34, 2050012.	1.9	19
60	Two-dimensional Haar wavelet Collocation Method for the solution of Stationary Neutron Transport Equation in a homogeneous isotropic medium. Annals of Nuclear Energy, 2014, 70, 30-35.	1.8	18
61	Legendre spectral collocation method for Fredholm integro-differential-difference equation with variable coefficients and mixed conditions. Applied Mathematics and Computation, 2015, 268, 575-580.	2.2	18
62	Legendre spectral collocation method for the solution of the model describing biological species living together. Journal of Computational and Applied Mathematics, 2016, 296, 47-55.	2.0	18
63	New optical soliton solutions of Biswasâ€“Arshed model with Kerr law nonlinearity. International Journal of Modern Physics B, 2021, 35, .	2.0	18
64	New optical soliton solutions of fractional perturbed nonlinear SchrÃ¶dinger equation in nanofibers. Modern Physics Letters B, 2022, 36, .	1.9	18
65	A numerical approach based on Haar wavelet operational method to solve neutron point kinetics equation involving imposed reactivity insertions. Annals of Nuclear Energy, 2014, 68, 112-117.	1.8	17
66	A numerical investigation of time-fractional modified Fornbergâ€“Whitham equation for analyzing the behavior of water waves. Applied Mathematics and Computation, 2015, 266, 135-148.	2.2	17
67	Numerical solutions and solitary wave solutions of fractional KDV equations using modified fractional reduced differential transform method. Computational Mathematics and Mathematical Physics, 2013, 53, 1870-1881.	0.8	16
68	Traveling wave solution of fractional KdV-Burger-Kuramoto equation describing nonlinear physical phenomena. AIP Advances, 2014, 4, 097120.	1.3	16
69	The conservation laws with Lie symmetry analysis for time fractional integrable coupled KdVâ€“mKdV system. International Journal of Non-Linear Mechanics, 2018, 98, 114-121.	2.6	16
70	New travelling wave and anti-kink wave solutions of space-time fractional (3+1)-Dimensional Jimboâ€“Miwa equation. Chinese Journal of Physics, 2020, 67, 79-85.	3.9	16
71	PainlevÃ© analysis, auto-BÃcklund transformation and analytic solutions for modified KdV equation with variable coefficients describing dust acoustic solitary structures in magnetized dusty plasmas. Modern Physics Letters B, 2021, 35, .	1.9	16
72	Novel optical soliton solutions for time-fractional resonant nonlinear SchrÃ¶dinger equation in optical fiber. Optical and Quantum Electronics, 2022, 54, 1.	3.3	16

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73	An operational matrix based scheme for numerical solutions of nonlinear weakly singular partial integro-differential equations. Applied Mathematics and Computation, 2020, 367, 124771.	2.2	15
74	Numerical soliton solutions of fractional (2 + 1)-dimensional Nizhnikâ€“Novikovâ€“Veselov equations in nonlinear optics. International Journal of Modern Physics B, 2021, 35, 2150090.	2.0	15
75	An efficient numerical method based on Euler wavelets for solving fractional order pantograph Volterra delay-integro-differential equations. Journal of Computational and Applied Mathematics, 2022, 406, 113825.	2.0	15
76	Numerical solution for stochastic point-kinetics equations with sinusoidal reactivity in dynamical system of nuclear reactor. International Journal of Nuclear Energy Science and Technology, 2013, 7, 231.	0.0	14
77	Hybrid Legendre Block-Pulse functions for the numerical solutions of system of nonlinear Fredholmâ€“Hammerstein integral equations. Applied Mathematics and Computation, 2015, 270, 871-878.	2.2	14
78	Lie symmetries analysis and conservation laws for the fractional Calogeroâ€“Degasperisâ€“Ibragimovâ€“Shabat equation. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850110.	2.0	13
79	Invariant analysis and conservation laws for the time fractional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml12" display="inline" overflow="scroll" altimg="si12.gif"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo> Zakharovâ€“Kuznetsov modified equal width equation using Lie group analysis. Computers and Mathematics With Applications, 2018, 76, 2110-2118.	2.7	13
80	The new soliton wave solutions of conformable time-fractional Rosenauâ€“Kawahara-RLW equation. Modern Physics Letters B, 2019, 33, 1950365.	1.9	13
81	On the Soliton Solution and Jacobi Doubly Periodic Solution of the Fractional Coupled SchrÃ¶dingerâ€“KdV Equation by a Novel Approach. International Journal of Nonlinear Sciences and Numerical Simulation, 2015, 16, 79-95.	1.0	12
82	An efficient and novel technique for solving continuously variable fractional order mass-spring-damping system. Engineering Computations, 2017, 34, 2815-2835.	1.4	12
83	On the conservation laws and invariant analysis for time-fractional coupled Fitzhugh-Nagumo equations using the Lie symmetry analysis. European Physical Journal Plus, 2019, 134, 1.	2.6	12
84	A new approach based on semi-orthogonal B-spline wavelets for the numerical solutions of the system of nonlinear Fredholm integral equations of second kind. Computational and Applied Mathematics, 2014, 33, 859-872.	1.3	11
85	Numerical simulation for fractional order stationary neutron transport equation using Haar wavelet collocation method. Nuclear Engineering and Design, 2014, 278, 71-85.	1.7	11
86	A comparative study on the analytic solutions of fractional coupled sineâ€“Gordon equations by using two reliable methods. Applied Mathematics and Computation, 2015, 253, 72-82.	2.2	11
87	A new numerical approach for the solution of nonlinear Fredholm integral equations system of second kind by using Bernstein collocation method. Mathematical Methods in the Applied Sciences, 2015, 38, 274-280.	2.3	11
88	Analysis for fin efficiency with temperature-dependent thermal conductivity of fractional order energy balance equation using HPST Method. AEJ - Alexandria Engineering Journal, 2016, 55, 77-85.	6.4	11
89	Invariant analysis with conservation law of time fractional coupled Ablowitzâ€“Kaupâ€“Newellâ€“Segur equations in water waves. Waves in Random and Complex Media, 2020, 30, 530-543.	2.7	11
90	Two-dimensional wavelets operational method for solving Volterra weakly singular partial integro-differential equations. Journal of Computational and Applied Mathematics, 2020, 366, 112411.	2.0	11

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91	Fractal Ion Acoustic Waves of the Space-Time Fractional Three Dimensional KP Equation. Advances in Mathematical Physics, 2020, 2020, 1-7.	0.8	11
92	Lie symmetry reductions, power series solutions and conservation laws of the coupled Gerdjikovâ€“Ivanov equation using optimal system of Lie subalgebra. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1.	1.4	11
93	Numerical soliton solutions of fractional Newellâ€“Whiteheadâ€“Segel equation in binary fluid mixtures. Computational and Applied Mathematics, 2021, 40, 1.	2.2	11
94	Multistep Differential Transform Method for Numerical Solution of Classical Neutron Point Kinetic Equation. Computational Mathematics and Modeling, 2013, 24, 604-615.	0.5	10
95	New soliton solutions of conformable time fractional Caudreyâ€“Doddâ€“Gibbonâ€“Sawadaâ€“Kotera equation in modeling wave phenomena. Modern Physics Letters B, 2019, 33, 1950202.	1.9	10
96	Application of Novel Schemes Based on Haar Wavelet Collocation Method for Burger and Boussinesq-Burger Equations. Applied Mathematics and Information Sciences, 2016, 10, 1513-1524.	0.5	10
97	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si36.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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109	Comparative experiment on the numerical solutions of Hammerstein integral equation arising from chemical phenomenon. Journal of Computational and Applied Mathematics, 2016, 291, 402-409.	2.0	7
110	New Exact Solutions for the Wick-Type Stochastic Kudryashovâ€“Sinelshchikov Equation. Communications in Theoretical Physics, 2017, 67, 197.	2.5	7
111	The solitons and periodic travelling wave solutions for Doddâ€“Bulloughâ€“Mikhailov and Tzitzeicaâ€“Doddâ€“Bullough equations in quantum field theory. Optik, 2018, 168, 807-816.	2.9	7
112	Numerical and analytical investigation for solutions of fractional Oskolkovâ€“Benjaminâ€“Bonaâ€“Mahonyâ€“Burgers equation describing propagation of long surface waves. International Journal of Modern Physics B, 2021, 35, .	2.0	7
113	Numerical simulation for solving fractional neutron point kinetic equations using the multi-step differential transform method. Physica Scripta, 2014, 89, 015204.	2.5	6
114	A Novel Approach with Time-Splitting Spectral Technique for the Coupled SchrÃ¶dingerâ€“Boussinesq Equations Involving Riesz Fractional Derivative. Communications in Theoretical Physics, 2017, 68, 301.	2.5	6
115	Stochastic operational matrix of Chebyshev wavelets for solving multi-dimensional stochastic ItÃ´â€“Volterra integral equations. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950007.	1.3	6
116	A New Coupled Fractional Reduced Differential Transform Method for Solving Time Fractional Coupled KdV Equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2013, 14, 501-511.	1.0	5
117	New exact solutions of time fractional modified Kawahara equations in modelling surface tension in shallow-water and capillary gravity water waves. European Physical Journal Plus, 2017, 132, 1.	2.6	5
118	B-spline Wavelet Method for Solving Fredholm Hammerstein Integral Equation Arising from Chemical Reactor Theory. Nonlinear Engineering, 2018, 7, 163-169.	2.7	5
119	A novel wavelets operational matrix method for the time variable-order fractional mobileâ€“immobile advectionâ€“dispersion model. Engineering With Computers, 2022, 38, 2629-2650.	6.1	5
120	Application of Semiorthogonal B-Spline Wavelets for the Solutions of Linear Second Kind Fredholm Integral Equations. Applied Mathematics and Information Sciences, 2014, 8, 1179-1184.	0.5	5
121	A wavelet-based novel technique for linear and nonlinear fractional Volterraâ€“Fredholm integro-differential equations. Computational and Applied Mathematics, 2022, 41, 1.	2.2	5
122	An efficient numerical method based on Lucas polynomials to solve multi-dimensional stochastic ItÃ´-Volterra integral equations. Mathematics and Computers in Simulation, 2023, 203, 826-845.	4.4	5
123	Sinc-Galerkin Technique for the Numerical Solution of Fractional Volterraâ€“Fredholm Integro-Differential Equations with Weakly Singular Kernels. International Journal of Nonlinear Sciences and Numerical Simulation, 2016, 17, 315-323.	1.0	4
124	Comparison Between Two Reliable Methods for Accurate Solution of Fractional Modified Fornbergâ€“Whitham Equation Arising in Water Waves. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	1.2	4
125	New exact solutions for the Wick-type stochastic modified Boussinesq equation for describing wave propagation in nonlinear dispersive systems. Chinese Journal of Physics, 2017, 55, 1653-1662.	3.9	4
126	On the comparison of two split-step methods for the numerical simulation of stochastic point kinetics equations in presence of Newtonian temperature feedback effects. Annals of Nuclear Energy, 2017, 110, 865-873.	1.8	4

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127	A novel technique based on Bernoulli wavelets for numerical solutions of two-dimensional Fredholm integral equation of second kind. Engineering Computations, 2019, 36, 1798-1819.	1.4	4
128	Symmetry analysis with similarity reduction, new exact solitary wave solutions and conservation laws of (3 + 1)-dimensional extended quantum Zakharovâ€“Kuznetsov equation in quantum physics. Modern Physics Letters B, 2021, 35, 2150163.	1.9	4
129	The effect of pulse reactivity for stochastic neutron point kinetic equation in nuclear reactor dynamics. International Journal of Nuclear Energy Science and Technology, 2014, 8, 117.	0.0	3
130	Solution of non-linear neutron point kinetics equations with feedback reactivity in nuclear reactor dynamics. International Journal of Nuclear Energy Science and Technology, 2015, 9, 23.	0.0	3
131	A novel attempt for finding comparatively accurate solution for sineâ€Gordon equation comprising Riesz space fractional derivative. Mathematical Methods in the Applied Sciences, 2016, 39, 2871-2882.	2.3	3
132	New exact solutions for the Wick-type stochastic Zakharovâ€“Kuznetsov equation for modelling waves on shallow water surfaces. Random Operators and Stochastic Equations, 2017, 25, .	0.1	3
133	Higher-order approximate solutions of fractional stochastic point kinetics equations in nuclear reactor dynamics. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	3
134	The Petrovâ€“Galerkin finite element method for the numerical solution of time-fractional Sharmaâ€“Tassoâ€“Olver equation. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 10, 1941007.	1.4	3
135	On the invariant analysis, symmetry reduction with group-invariant solution and the conservation laws for (2 + 1)-dimensional modified Heisenberg ferromagnetic system. International Journal of Modern Physics B, 2020, 34, 2050305.	2.0	3
136	Two-dimensional wavelets scheme for numerical solutions of linear and nonlinear Volterra integro-differential equations. Mathematics and Computers in Simulation, 2022, 198, 332-358.	4.4	3
137	Numerical and analytical investigations for solution of fractional Ito equationÂdescribing motions of long waves in shallow water under gravity. Journal of Ocean Engineering and Science, 2022, , .	4.3	3
138	Two-Dimensional Chebyshev Wavelet Method for Camassa-Holm Equation with Riesz Fractional Derivative Describing Propagation of Shallow Water Waves. Fundamenta Informaticae, 2017, 151, 77-89.	0.4	2
139	The comparison of two reliable methods for the accurate solution of fractional Fisher type equation. Engineering Computations, 2017, 34, 2598-2613.	1.4	2
140	Invariant analysis, optimal system of Lie sub-algebra and conservation laws of (3+1)-dimensional KdVâ€“BBM equation. European Physical Journal Plus, 2020, 135, 1.	2.6	2
141	PainlevÃ© integrability, auto-BÃcklund transformations, new abundant analytic solutions including multi-soliton solutions for time-dependent extended KdV8 equationÂin nonlinear physics. Journal of Ocean Engineering and Science, 2022, , .	4.3	2
142	Optimal system of Lie subalgebra for symmetry reductions, group invariant solutions and exact solutions to the coupled Hirotaâ€“Maccari system driving pulse propagation in optical fiber. International Journal of Modern Physics B, 2022, 36, .	2.0	2
143	Analytical Treatment for Solving a Class of Laneâ€“Emden Equations. International Journal of Applied and Computational Mathematics, 2015, 1, 369-379.	1.6	1
144	The Transport Dynamics Induced by Riesz Potential in Modeling Fractional Reactionâ€“Diffusion-Mechanics System. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	1

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145	Numerical solutions of stochastic nonlinear point reactor kinetics equations in presence of Newtonian temperature feedback effects. Journal of Computational and Theoretical Transport, 2019, 48, 47-57.	0.8	1
146	The Time-Splitting Spectral Method for the Gerdjikovâ€“Ivanov Equation With the Riesz Fractional Derivative in the Quantum Field Theory. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	1
147	A stochastic operational matrix method for numerical solutions of mixed stochastic Volterraâ€“Fredholm integral equations. International Journal of Wavelets, Multiresolution and Information Processing, 2020, 18, 2050005.	1.3	1