# 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 | [F] © analysis, auto-BÄcklund transformation and new exact solutions of <mml:math 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 50 and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Numerical soliton solutions of fractional Newellâ€“Whiteheadâ€“Segel equation in binary fluid mixtures. Computational and Applied Mathematics, 2021, 40, 1. | 2.2 | 11 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Fractal Ion Acoustic Waves of the Space-Time Fractional Three Dimensional KP Equation. Advances in Mathematical Physics, 2020, 2020, 1-7. | 0.8 | 11 |
| 28 | 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 |
| 29 | Numerical solution of nonlinear stochastic ItÃ´â€“ Volterra integral equation driven by fractional Brownian motion. Engineering Computations, 2020, 37, 3243-3268. | 1.4 | 9 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | New Optical Soliton Solutions of Nolinear Evolution Equation Describing Nonlinear Dispersion. Communications in Theoretical Physics, 2019, 71, 1063. | 2.5 | 34 |
| 35 | The new soliton wave solutions of conformable time-fractional Rosenauâ€“Kawahara-RLW equation. Modern Physics Letters B, 2019, 33, 1950365. | 1.9 | 13 |
| 36 | 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 |

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| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | A novel approach for stochastic solutions of wick-type stochastic time-fractional Benjaminâ€“Bonaâ€“Mahony equation for modeling long surface gravity waves of small amplitude. Stochastic Analysis and Applications, 2019, 37, 377-387. | 1.5 | 8 |
| 41 | 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 |
| 42 | A novel method for new solutions of time fractional (1+2)-dimensional nonlinear SchrÃ¶dinger equation involving dual-power law nonlinearity. International Journal of Modern Physics B, 2019, 33, 1950280. | 2.0 | 9 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Invariant analysis and conservation laws of (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 397 Td (xmlns:mml="http://www.w3.org/ dimensional time-fractional ZKâ€“BBM equation in gravity water waves. Computers and Mathematics With Applications, 2018, 75, 2271-2279. | 2.7 | 22 |
| 47 | 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 |
| 48 | 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 |
| 49 | Comparison on wavelets techniques for solving fractional optimal control problems. JVC/Journal of Vibration and Control, 2018, 24, 1185-1201. | 2.6 | 31 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 | 18 |
| 54 | B-spline Wavelet Method for Solving Fredholm Hammerstein Integral Equation Arising from Chemical Reactor Theory. Nonlinear Engineering, 2018, 7, 163-169. | 2.7 | 5 |

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| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | New double-periodic solutions of fractional Drinfeldâ€“Sokolovâ€“Wilson equation in shallow water waves. Nonlinear Dynamics, 2017, 88, 1869-1882. | 5.2 | 23 |
| 60 | New Exact Solutions for the Wick-Type Stochastic Kudryashovâ€“Sinelshchikov Equation. Communications in Theoretical Physics, 2017, 67, 197. | 2.5 | 7 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Lie symmetry analysis and exact solutions of (3<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 Td (xmlns:mml="http:/ equation in mathematical physics. Computers and Mathematics With Applications, 2017, 73, 253-260. | 2.7 | 49 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Numerical solutions of stochastic Fisher equation to study migration and population behavior in biological invasion. International Journal of Biomathematics, 2017, 10, 1750103. | 2.9 | 9 |
| 70 | The comparison of two reliable methods for the accurate solution of fractional Fisher type equation. Engineering Computations, 2017, 34, 2598-2613. | 1.4 | 2 |
| 71 | An efficient and novel technique for solving continuously variable fractional order mass-spring-damping system. Engineering Computations, 2017, 34, 2815-2835. | 1.4 | 12 |
| 72 | 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 |

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| 73 | 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 |
| 74 | Lie symmetry analysis for similarity reduction and exact solutions of modified KdVâ€“Zakharovâ€“Kuznetsov equation. Nonlinear Dynamics, 2017, 87, 1995-2000. | 5.2 | 67 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | New analytical exact solutions of time fractional KdVâ€“KZK equation by Kudryashov methods. Chinese Physics B, 2016, 25, 040204. | 1.4 | 56 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | A numerical approach for solving nonlinear fractional Volterraâ€“Fredholm integro-differential equations with mixed boundary conditions. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1650036. | 1.3 | 7 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | New exact solutions of nonlinear fractional acoustic wave equations in ultrasound. Computers and Mathematics With Applications, 2016, 71, 859-868. | 2.7 | 52 |
| 89 | 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 |
| 90 | 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 |

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| 91 | A new analytical modelling for nonlocal generalized Riesz fractional sine-Gordon equation. Journal of King Saud University - Science, 2016, 28, 48-54. | 3.5 | 8 |
| 92 | 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 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | 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 |
| 97 | 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 |
| 98 | 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 |
| 99 | A class of time-fractional-order continuous population models for interacting species with stability analysis. Neural Computing and Applications, 2015, 26, 1495-1504. | 5.6 | 7 |
| 100 | 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 |
| 101 | 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 |
| 102 | Analytical Treatment for Solving a Class of Laneâ€“Emden Equations. International Journal of Applied and Computational Mathematics, 2015, 1, 369-379. | 1.6 | 1 |
| 103 | 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 |
| 104 | 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 |
| 105 | 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 |
| 106 | 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 |
| 107 | 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 |
| 108 | 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 |

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|---|---|---|---|
| 109 | 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 |
| 110 | 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 |
| 111 | Wavelet Methods for Solving Fractional Order Differential Equations. Mathematical Problems in Engineering, 2014, 2014, 1-11. | 1.1 | 8 |
| 112 | A New Coupled Fractional Reduced Differential Transform Method for the Numerical Solutions of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ET Q q 0 0 0 r g BT /Overl Modelling and Simulation in Engineering, 2014, 2014, 1-12. | 0.2 | 7 |
| 113 | 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 |
| 114 | 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 |
| 115 | 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 |
| 116 | Numerical simulation for solving fractional neutron point kinetic equations using the multi-step differential transform method. Physica Scripta, 2014, 89, 015204. | 2.5 | 6 |
| 117 | Traveling wave solution of fractional KdV-Burger-Kuramoto equation describing nonlinear physical phenomena. AIP Advances, 2014, 4, 097120. | 1.3 | 16 |
| 118 | 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 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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 |
| 122 | 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 |
| 123 | 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 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

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| 127 | 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 |
| 128 | Multistep Differential Transform Method for Numerical Solution of Classical Neutron Point Kinetic Equation. Computational Mathematics and Modeling, 2013, 24, 604-615. | 0.5 | 10 |
| 129 | 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 |
| 130 | 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 |
| 131 | Numerical solution of fractional stochastic neutron point kinetic equation for nuclear reactor dynamics. Annals of Nuclear Energy, 2013, 54, 154-161. | 1.8 | 39 |
| 132 | Numerical solutions of (1 + 1) dimensional time fractional coupled Burger equations using new coupled fractional reduced differential transform method. International Journal of Computing Science and Mathematics, 2013, 4, 1. | 0.3 | 9 |
| 133 | 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 |
| 134 | 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 |
| 135 | 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 |
| 136 | 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 |
| 137 | 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 |
| 138 | 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 |
| 139 | The analytical approximate solution of the multi-term fractionally damped Van der Pol equation. Physica Scripta, 2009, 80, 025003. | 2.5 | 23 |
| 140 | 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 |
| 141 | Analytical solution of a fractional diffusion equation by Adomian decomposition method. Applied Mathematics and Computation, 2006, 174, 329-336. | 2.2 | 85 |
| 142 | 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 |
| 143 | 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 |
| 144 | An approximate solution of a nonlinear fractional differential equation by Adomian decomposition method. Applied Mathematics and Computation, 2005, 167, 561-571. | 2.2 | 184 |

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| 145 | Analytical solution of the Bagley Torvik equation by Adomian decomposition method. Applied Mathematics and Computation, 2005, 168, 398-410. | 2.2 | 137 |
| 146 | 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 |
| 147 | Solution of an extraordinary differential equation by Adomian decomposition method. Journal of Applied Mathematics, 2004, 2004, 331-338. | 0.9 | 37 |