# Hossein Jafari

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 183 papers | 4,002 citations | 32 h-index | 55 g-index |
| 193 ext. papers | 4,744 ext. citations | 2.3 avg, IF | 6.54 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 183 | A stable collocation approach to solve a neutral delay stochastic differential equation of fractional order. *Journal of Computational and Applied Mathematics*, **2022**, 403, 113845 | 2.4 | 2 |
| 182 | Lie Group Theory for Nonlinear Fractional K(m, n) Type Equation with Variable Coefficients. *Studies in Systems, Decision and Control*, **2022**, 207-227 | 0.8 | 1 |
| 181 | A Chebyshev Collocation Approach to Solve Fractional Fisher□Kolmogorov□Petrovskii□Piskunov Equation with Nonlocal Condition. *Fractal and Fractional*, **2022**, 6, 160 | 3 | |
| 180 | An efficient computational scheme to solve a class of fractional stochastic systems with mixed delays. *Communications in Nonlinear Science and Numerical Simulation*, **2022**, 111, 106408 | 3.7 | |
| 179 | Analytical method to solve the local fractional vehicular traffic flow model. *Mathematical Methods in the Applied Sciences*, **2022**, 45, 3983-4001 | 2.3 | 1 |
| 178 | Inverse Problem Approach to Machine Learning with Application in the Option Price Correction. *Optical Memory and Neural Networks (Information Optics)*, **2022**, 31, 46-58 | 0.7 | |
| 177 | Towards new general double integral transform and its applications to differential equations. *Mathematical Methods in the Applied Sciences*, **2021**, | 2.3 | 3 |
| 176 | Numerical approach to simulate diffusion model of a fluid-flow in a porous media. *Thermal Science*, **2021**, 25, 255-261 | 1.2 | 0 |
| 175 | A semi-analytical approach for fractional order Boussinesq equation in a gradient unconfined aquifers. *Mathematical Methods in the Applied Sciences*, **2021**, | 2.3 | 8 |
| 174 | Operational matrices based on the shifted fifth-kind Chebyshev polynomials for solving nonlinear variable order integro-differential equations. *Advances in Difference Equations*, **2021**, 2021, 435 | 3.6 | 0 |
| 173 | ON THE APPROXIMATE SOLUTIONS FOR A SYSTEM OF COUPLED KORTEWEG□DE VRIES EQUATIONS WITH LOCAL FRACTIONAL DERIVATIVE. *Fractals*, **2021**, 29, 2140012 | 3.2 | 10 |
| 172 | SOLUTION OF THE LOCAL FRACTIONAL GENERALIZED KDV EQUATION USING HOMOTOPY ANALYSIS METHOD. *Fractals*, **2021**, 29, 2140014 | 3.2 | 7 |
| 171 | Mathematical analysis of a stochastic model for spread of Coronavirus. *Chaos, Solitons and Fractals*, **2021**, 145, 110788 | 9.3 | 19 |
| 170 | A numerical approach for solving fractional optimal control problems with mittag-leffler kernel. *JVC/Journal of Vibration and Control*, **2021**, 107754632110169 | 2 | 14 |
| 169 | More efficient estimates via ?-discrete fractional calculus theory and applications. *Chaos, Solitons and Fractals*, **2021**, 147, 110981 | 9.3 | 8 |
| 168 | Existence and uniqueness of the solutions of the nonlinear impulse differential equations with nonlocal boundary conditions. *Quaestiones Mathematicae*, **2021**, 1-14 | 0.6 | 0 |
| 167 | Lie symmetry and □symmetry methods for nonlinear generalized Camassa□Holm equation. *Advances in Difference Equations*, **2021**, 2021, | 3.6 | 1 |

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| 166 | A new general integral transform for solving integral equations. *Journal of Advanced Research*, **2021**, 32, 133-138 | 13 | 22 |
| 165 | Bivariate Generalized Taylor Formula and Its Applications to Solve FPDEs. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1 | 1.3 | 0 |
| 164 | A mathematical model to examine the effect of quarantine on the spread of coronavirus. *Chaos, Solitons and Fractals*, **2021**, 142, 110418 | 9.3 | 18 |
| 163 | A novel numerical manner for two-dimensional space fractional diffusion equation arising in transport phenomena. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 1397-1406 | 2.5 | 7 |
| 162 | A new numerical scheme for solving pantograph type nonlinear fractional integro-differential equations. *Journal of King Saud University - Science*, **2021**, 33, 101185 | 3.6 | 20 |
| 161 | Solving fractional Advection-diffusion equation using Genocchi operational matrix based on Atangana-Baleanu derivative. *Discrete and Continuous Dynamical Systems - Series S*, **2021**, 14, 3747 | 2.8 | |
| 160 | Numerical investigation of space fractional order diffusion equation by the Chebyshev collocation method of the fourth kind and compact finite difference scheme. *Discrete and Continuous Dynamical Systems - Series S*, **2021**, 14, 2025 | 2.8 | 1 |
| 159 | A new numerical method to solve pantograph delay differential equations with convergence analysis. *Advances in Difference Equations*, **2021**, 2021, | 3.6 | 12 |
| 158 | Numerical treatment of a fractional order system of nonlinear stochastic delay differential equations using a computational scheme. *Chaos, Solitons and Fractals*, **2021**, 149, 111018 | 9.3 | 4 |
| 157 | New general integral transform via Atangana Baleanu derivatives. *Advances in Difference Equations* , **2021**, 2021, | 3.6 | 10 |
| 156 | A New Approach to Solve Linear Systems. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1 | 1.3 | 0 |
| 155 | A numerical study of fractional order population dynamics model. *Results in Physics*, **2021**, 27, 104456 | 3.7 | 19 |
| 154 | The Numerical Strategy of Tempered Fractional Derivative in European Double Barrier Option. *Fractals*, **2021**, | 3.2 | 3 |
| 153 | A mathematical model and numerical solution for brain tumor derived using fractional operator. *Results in Physics*, **2021**, 28, 104671 | 3.7 | 15 |
| 152 | Numerical solutions of time-fractional Klein-Gordon equations by clique polynomials. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 4563-4571 | 6.1 | 22 |
| 151 | On a final value problem for a nonlinear fractional pseudo-parabolic equation. *Electronic Research Archive*, **2021**, 29, 1709-1734 | 1.9 | 7 |
| 150 | Numerical simulation of the nonlinear fractional regularized long-wave model arising in ion acoustic plasma waves. *Discrete and Continuous Dynamical Systems - Series S*, **2021**, 14, 3685 | 2.8 | 3 |
| 149 | Fractional calculus in data fitting. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3269-3274 | 6.1 | 4 |

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| 148 | A numerical scheme to solve a class of two-dimensional nonlinear time-fractional diffusion equations of distributed order. *Engineering With Computers*, **2020**, 1 | 4.5 | |
| 147 | Approximate technique for solving fractional variational problems **2020**, 94, 1 | | 1 |
| 146 | Mathematical models of HIV/AIDS and drug addiction in prisons. *European Physical Journal Plus*, **2020**, 135, 1 | 3.1 | 24 |
| 145 | Operational matrix for AtanganaBaleanu derivative based on Genocchi polynomials for solving FDEs. *Chaos, Solitons and Fractals*, **2020**, 135, 109736 | 9.3 | 26 |
| 144 | A Collocation Approach for Solving Time-Fractional Stochastic Heat Equation Driven by an Additive Noise. *Symmetry*, **2020**, 12, 904 | 2.7 | 13 |
| 143 | Numerical analysis of the fractional evolution model for heat flow in materials with memory. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 2627-2637 | 6.1 | 29 |
| 142 | A Decomposition Method for Solving Quaternion Differential Equations. *International Journal of Applied and Computational Mathematics*, **2020**, 6, 1 | 1.3 | 0 |
| 141 | Numerical evaluation of fractional Tricomi-type model arising from physical problems of gas dynamics. *Journal of Advanced Research*, **2020**, 25, 205-216 | 13 | 23 |
| 140 | Numerical solution of variable order fractional nonlinear quadratic integro-differential equations based on the sixth-kind Chebyshev collocation method. *Journal of Computational and Applied Mathematics*, **2020**, 377, 112908 | 2.4 | 42 |
| 139 | Lie symmetry reductions and conservation laws for fractional order coupled KdV system. *Advances in Difference Equations*, **2020**, 2020, | 3.6 | 4 |
| 138 | Numerical computation of the time non-linear fractional generalized equal width model arising in shallow water channel. *Thermal Science*, **2020**, 24, 49-58 | 1.2 | 8 |
| 137 | A new approach for solving nonlinear Volterra integro-differential equations with Mittag--Leffler kernel **2020**, 46, 144-158 | | 10 |
| 136 | Solving time-fractional chemical engineering equations by generalized differential transform method. *Thermal Science*, **2020**, 24, 157-164 | 1.2 | 0 |
| 135 | A numerical study of fractional rheological models and fractional Newell-Whitehead-Segel equation with non-local and non-singular kernel. *Chinese Journal of Physics*, **2020**, 68, 308-320 | 3.5 | 37 |
| 134 | An effective approach to solve a system fractional differential equations. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3213-3219 | 6.1 | 4 |
| 133 | Numerical solution of multi-variable order fractional integro-differential equations using the Bernstein polynomials. *Engineering With Computers*, **2020**, 1 | 4.5 | 14 |
| 132 | On Iterative Solutions and Error Estimations of a Coupled System of Fractional Order Differential-Integral Equations with Initial and Boundary Conditions. *Differential Equations and Dynamical Systems*, **2020**, 28, 1059-1071 | 0.8 | 2 |
| 131 | A new approach for solving multi variable orders differential equations with Mittag Leffler kernel. *Chaos, Solitons and Fractals*, **2020**, 130, 109405 | 9.3 | 74 |

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| 130 | A new approach for solving integro-differential equations of variable order. *Journal of Computational and Applied Mathematics*, **2020**, 379, 112946 | 2.4 | 21 |
| 129 | Local fractional system for economic order quantity using entropy solution. *Advances in Difference Equations*, **2019**, 2019, | 3.6 | 8 |
| 128 | A fractional order HIV/AIDS model based on the effect of screening of unaware infectives. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 2334-2343 | 2.3 | 44 |
| 127 | A Numerical Approach for Multi-variable Orders Differential Equations Using Jacobi Polynomials. *International Journal of Applied and Computational Mathematics*, **2019**, 5, 1 | 1.3 | 18 |
| 126 | Numerical Solution of Nonlinear ReactionAdvectionDiffusion Equation. *Journal of Computational and Nonlinear Dynamics*, **2019**, 14, | 1.4 | 18 |
| 125 | A Novel Approach for Solving an Inverse ReactionDiffusionConvection Problem. *Journal of Optimization Theory and Applications*, **2019**, 183, 688-704 | 1.6 | 25 |
| 124 | A numerical approach for solving variable order differential equations based on Bernstein polynomials. *Computational and Mathematical Methods*, **2019**, 1, e1055 | 0.9 | 15 |
| 123 | An Adaptive Collocation Method for Solving Delay Fractional Differential Equations. *International Journal of Applied and Computational Mathematics*, **2019**, 5, 1 | 1.3 | 2 |
| 122 | An analytical approach to obtain exact solutions of some space-time conformable fractional differential equations. *Advances in Difference Equations*, **2019**, 2019, | 3.6 | 20 |
| 121 | An operational matrix for solving time-fractional order Cahn-Hilliard equation. *Thermal Science*, **2019**, 23, 2045-2052 | 1.2 | 3 |
| 120 | A numerical scheme to solve variable order diffusion-wave equations. *Thermal Science*, **2019**, 23, 2063-2071 | 1.2 | 14 |
| 119 | Fractional calculus for modeling unconfined groundwater **2019**, 119-138 | | 3 |
| 118 | Stability of a finite volume element method for the time-fractional advection-diffusion equation. *Numerical Methods for Partial Differential Equations*, **2018**, 34, 1459-1471 | 2.5 | 35 |
| 117 | Numerical approach of FokkerPlanck equation with CaputoFabrizio fractional derivative using Ritz approximation. *Journal of Computational and Applied Mathematics*, **2018**, 339, 367-373 | 2.4 | 38 |
| 116 | New method for solving a class of fractional partial differential equations with applications. *Thermal Science*, **2018**, 22, 277-286 | 1.2 | 11 |
| 115 | Reduced differential transform and variational iteration methods for 3-D diffusion model in fractal heat transfer within local fractional operators. *Thermal Science*, **2018**, 22, 301-307 | 1.2 | 14 |
| 114 | Differential Transform Method: A Tool for Solving Fuzzy Differential Equations. *International Journal of Applied and Computational Mathematics*, **2018**, 4, 1 | 1.3 | 5 |
| 113 | Fuzzy Malliavin derivative and linear Skorohod fuzzy stochastic differential equation. *Journal of Intelligent and Fuzzy Systems*, **2018**, 35, 2447-2458 | 1.6 | 2 |

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| 112 | Solving FDEs with Caputo-Fabrizio derivative by operational matrix based on Genocchi polynomials. *Mathematical Methods in the Applied Sciences*, **2018**, 41, 9134-9141 | 2.3 | 28 |
| 111 | A new algorithm for solving dynamic equations on a time scale. *Journal of Computational and Applied Mathematics*, **2017**, 312, 167-173 | 2.4 | 8 |
| 110 | Stability of Dirac Equation in Four-Dimensional Gravity. *Chinese Physics Letters*, **2017**, 34, 060301 | 1.8 | 5 |
| 109 | Analytical solutions of the Gerdjikov□Ivanov equation by using exp(□(□))-expansion method. *Optik*, **2017**, 139, 72-76 | 2.5 | 68 |
| 108 | Analysis of Riccati Differential Equations within a New Fractional Derivative without Singular Kernel. *Fundamenta Informaticae*, **2017**, 151, 161-171 | 1 | 4 |
| 107 | Error estimate of the MQ-RBF collocation method for fractional differential equations with Caputo□Fabrizio derivative. *Mathematical Sciences*, **2017**, 11, 297-305 | 1.6 | 9 |
| 106 | Application of Homotopy Perturbation Method for Heat and Mass Transfer in the Two-Dimensional Unsteady Flow Between Parallel Plates. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 1677-1688 | 1.3 | 2 |
| 105 | Solution of time-fractional Cahn□Hilliard equation with reaction term using homotopy analysis method. *Advances in Mechanical Engineering*, **2017**, 9, 168781401774077 | 1.2 | 7 |
| 104 | Group classification of the time-fractional Kaup-Kupershmidt equation. *Scientia Iranica*, **2017**, 24, 302-307 | 1.5 | 11 |
| 103 | On systems of nonlinear equations: some modified iteration formulas by the homotopy perturbation method with accelerated fourth- and fifth-order convergence. *Applied Mathematical Modelling*, **2016**, 40, 1467-1476 | 4.5 | 11 |
| 102 | On comparison between iterative methods for solving nonlinear optimal control problems. *JVC/Journal of Vibration and Control*, **2016**, 22, 2281-2287 | 2 | 10 |
| 101 | Study of fractional order Van der Pol equation. *Journal of King Saud University - Science*, **2016**, 28, 55-60 | 3.6 | 19 |
| 100 | Laplace homotopy perturbation method for Burgers equation with space- and time-fractional order. *Open Physics*, **2016**, 14, 247-252 | 1.3 | 27 |
| 99 | Reductions and conservation laws for BBM and modified BBM equations. *Open Mathematics*, **2016**, 14, 1138-1148 | 0.8 | 2 |
| 98 | Reduced differential transform method for partial differential equations within local fractional derivative operators. *Advances in Mechanical Engineering*, **2016**, 8, 168781401663301 | 1.2 | 31 |
| 97 | Approximate Analytical Solution of a Coupled System of Fractional Partial Differential Equations by Bernstein Polynomials. *International Journal of Applied and Computational Mathematics*, **2016**, 2, 85-96 | 1.3 | 7 |
| 96 | Numerical Solution of Time-Fractional Klein□Gordon Equation by Using the Decomposition Methods. *Journal of Computational and Nonlinear Dynamics*, **2016**, 11, | 1.4 | 18 |
| 95 | OPTIMAL SYSTEM AND SYMMETRY REDUCTION OF THE (1+1) DIMENSIONAL SAWADA-KOTERA EQUATION. *International Journal of Pure and Applied Mathematics*, **2016**, 108, | | 4 |

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|---|---|---|---|
| 94 | On the Approximate Solutions of Local Fractional Differential Equations with Local Fractional Operators. *Entropy*, **2016**, 18, 150 | 2.8 | 14 |
| 93 | Solution of Higher Order Nonlinear Time-Fractional Reaction Diffusion Equation. *Entropy*, **2016**, 18, 329 | 2.8 | 11 |
| 92 | On the Existence and Uniqueness of Solutions for Local Fractional Differential Equations. *Entropy*, **2016**, 18, 420 | 2.8 | 17 |
| 91 | Numerical solutions of multi-order fractional differential equations by Boubaker polynomials. *Open Physics*, **2016**, 14, 226-230 | 1.3 | 14 |
| 90 | Fractional Lie group method of the time-fractional Boussinesq equation. *Nonlinear Dynamics*, **2015**, 81, 1569-1574 | 5 | 45 |
| 89 | On existence results for solutions of a coupled system of hybrid boundary value problems with hybrid conditions. *Advances in Difference Equations*, **2015**, 2015, | 3.6 | 38 |
| 88 | Results for Mild solution of fractional coupled hybrid boundary value problems. *Open Mathematics*, **2015**, 13, | 0.8 | 17 |
| 87 | Existence criterion for the solutions of fractional order p-Laplacian boundary value problems. *Boundary Value Problems*, **2015**, 2015, | 2.1 | 28 |
| 86 | On the Exact Solution of Wave Equations on Cantor Sets. *Entropy*, **2015**, 17, 6229-6237 | 2.8 | 17 |
| 85 | Partial Fractional Equations and Their Applications. *Mathematical Problems in Engineering*, **2015**, 2015, 1-1 | 1.1 | 5 |
| 84 | On a Numerical Approach to Solve Multi-Order Fractional Differential Equations With Initial/Boundary Conditions. *Journal of Computational and Nonlinear Dynamics*, **2015**, 10, | 1.4 | 9 |
| 83 | A Numerical Approach for Fractional Order Riccati Differential Equation Using B-Spline Operational Matrix. *Fractional Calculus and Applied Analysis*, **2015**, 18, 387-399 | 2.7 | 25 |
| 82 | Local Fractional Laplace Decomposition Method for Solving Linear Partial Differential Equations with Local Fractional Derivative **2015**, 286-306 | | |
| 81 | On the existence of solution for fractional differential equations of order 3 Advances in Difference Equations, **2015**, 2015, | 3.6 | 14 |
| 80 | Fractional derivative generalization of Noether□ theorem. *Open Mathematics*, **2015**, 13, | 0.8 | 6 |
| 79 | A Decomposition Method for Solving the Fractional Davey-Stewartson Equations. *International Journal of Applied and Computational Mathematics*, **2015**, 1, 559-568 | 1.3 | 3 |
| 78 | Complex B-spline Collocation method for solving weakly singular Volterra integral equations of the second kind. *Miskolc Mathematical Notes*, **2015**, 16, 1091-1103 | 2.1 | 8 |
| 77 | A decomposition method for solving diffusion equations via local fractional time derivative. *Thermal Science*, **2015**, 19, 123-129 | 1.2 | 12 |

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| 76 | A comparison between the variational iteration method and the successive approximations method. *Applied Mathematics Letters*, **2014**, 32, 1-5 | 3.5 | 18 |
| 75 | LOCAL FRACTIONAL VARIATIONAL ITERATION METHOD FOR SOLVING VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITHIN LOCAL FRACTIONAL OPERATORS. *Journal of Mathematics and Statistics*, **2014**, 10, 401-407 | 0.3 | 3 |
| 74 | Analytical and Numerical Approaches for Complicated Nonlinear Equations. *Abstract and Applied Analysis*, **2014**, 2014, 1-1 | 0.7 | |
| 73 | Numerical solutions of the nonlinear fractional-order brusselator system by Bernstein polynomials. *Scientific World Journal, The*, **2014**, 2014, 257484 | 2.2 | 5 |
| 72 | Local Fractional Adomian Decomposition and Function Decomposition Methods for Laplace Equation within Local Fractional Operators. *Advances in Mathematical Physics*, **2014**, 2014, 1-7 | 1.1 | 36 |
| 71 | The Yang-Laplace Transform for Solving the IVPs with Local Fractional Derivative. *Abstract and Applied Analysis*, **2014**, 2014, 1-5 | 0.7 | 18 |
| 70 | Picard Successive Approximation Method for Solving Differential Equations Arising in Fractal Heat Transfer with Local Fractional Derivative. *Abstract and Applied Analysis*, **2014**, 2014, 1-5 | 0.7 | 4 |
| 69 | Local Fractional Variational Iteration Method for Local Fractional Poisson Equations in Two Independent Variables. *Abstract and Applied Analysis*, **2014**, 2014, 1-7 | 0.7 | 2 |
| 68 | Homotopy Perturbation Method to Obtain Positive Solutions of Nonlinear Boundary Value Problems of Fractional Order. *Abstract and Applied Analysis*, **2014**, 2014, 1-5 | 0.7 | 1 |
| 67 | Mathematical Models Arising in the Fractal Forest Gap via Local Fractional Calculus. *Abstract and Applied Analysis*, **2014**, 2014, 1-6 | 0.7 | 6 |
| 66 | Recent Advances on Methods and Applications of Nonlinear Differential Equations. *Mathematical Problems in Engineering*, **2014**, 2014, 1-1 | 1.1 | |
| 65 | Variational Iteration Method for a Fractional-Order Brusselator System. *Abstract and Applied Analysis*, **2014**, 2014, 1-6 | 0.7 | 6 |
| 64 | Application of a Homogeneous Balance Method to Exact Solutions of Nonlinear Fractional Evolution Equations. *Journal of Computational and Nonlinear Dynamics*, **2014**, 9, | 1.4 | 39 |
| 63 | Computational method based on Bernstein operational matrices for multi-order fractional differential equations. *Filomat*, **2014**, 28, 591-601 | 0.7 | 11 |
| 62 | Exact solutions of two nonlinear partial differential equations by using the first integral method. *Boundary Value Problems*, **2013**, 2013, | 2.1 | 9 |
| 61 | Fractional complex transform method for wave equations on Cantor sets within local fractional differential operator. *Advances in Difference Equations*, **2013**, 2013, 97 | 3.6 | 36 |
| 60 | Damped wave equation and dissipative wave equation in fractal strings within the local fractional variational iteration method. *Fixed Point Theory and Applications*, **2013**, 2013, 89 | 1.4 | 24 |
| 59 | Homotopy analysis method for solving Abel differential equation of fractional order. *Open Physics*, **2013**, 11, | 1.3 | 2 |

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| 58 | Numerical solution of fractional differential equations by using fractional B-spline. *Open Physics*, **2013**, 11, | 1.3 | 6 |
| 57 | Comments on He's Homotopy Perturbation Method for Calculating Adomian Polynomials *International Journal of Nonlinear Sciences and Numerical Simulation*, **2013**, 14, | 1.8 | 1 |
| 56 | Fractional calculus: theory and numerical methods. *Open Physics*, **2013**, 11, | 1.3 | 4 |
| 55 | A modified variational iteration method for solving fractional Riccati differential equation by Adomian polynomials. *Fractional Calculus and Applied Analysis*, **2013**, 16, | 2.7 | 46 |
| 54 | Fractional sub-equation method for the fractional generalized reaction Duffing model and nonlinear fractional Sharma-Tasso-Olver equation. *Open Physics*, **2013**, 11, | 1.3 | 10 |
| 53 | A new approach for solving a system of fractional partial differential equations. *Computers and Mathematics With Applications*, **2013**, 66, 838-843 | 2.7 | 90 |
| 52 | A mathematical model for simulation of a water table profile between two parallel subsurface drains using fractional derivatives. *Computers and Mathematics With Applications*, **2013**, 66, 785-794 | 2.7 | 26 |
| 51 | Dark solitons of the Biswas Milovic equation by the first integral method. *Optik*, **2013**, 124, 3929-3932 | 2.5 | 31 |
| 50 | The G?/G-expansion method for solutions of evolution equations from isothermal magnetostatic atmospheres. *Journal of King Saud University - Science*, **2013**, 25, 57-62 | 3.6 | 14 |
| 49 | Derivation of a fractional Boussinesq equation for modelling unconfined groundwater. *European Physical Journal: Special Topics*, **2013**, 222, 1805-1812 | 2.3 | 22 |
| 48 | Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrdinger's Equation. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 1182-1191 | 0.3 | 62 |
| 47 | The Bernstein Operational Matrices for Solving the Fractional Quadratic Riccati Differential Equations with the Riemann-Liouville Derivative. *Abstract and Applied Analysis*, **2013**, 2013, 1-7 | 0.7 | 11 |
| 46 | An Interior Inverse Problem for the Diffusion Operator. *Abstract and Applied Analysis*, **2013**, 2013, 1-6 | 0.7 | |
| 45 | Fractional Subequation Method for Cahn-Hilliard and Klein-Gordon Equations. *Abstract and Applied Analysis*, **2013**, 2013, 1-5 | 0.7 | 35 |
| 44 | Analytical Solutions of the One-Dimensional Heat Equations Arising in Fractal Transient Conduction with Local Fractional Derivative. *Abstract and Applied Analysis*, **2013**, 2013, 1-5 | 0.7 | 5 |
| 43 | Revised Variational Iteration Method for Solving Systems of Nonlinear Fractional-Order Differential Equations. *Abstract and Applied Analysis*, **2013**, 2013, 1-7 | 0.7 | 2 |
| 42 | A Comparison between Adomian Polynomials and Hes Polynomials for Nonlinear Functional Equations. *Mathematical Problems in Engineering*, **2013**, 2013, 1-4 | 1.1 | 4 |
| 41 | Application of Lie Symmetry Analysis and Simplest Equation Method for Finding Exact Solutions of Boussinesq Equations. *Mathematical Problems in Engineering*, **2013**, 2013, 1-4 | 1.1 | 1 |

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|---|---|---|---|
| 40 | Davey-Stewartson equation with fractional coordinate derivatives. *Scientific World Journal, The*, **2013**, 2013, 941645 | 2.2 | 1 |
| 39 | Helmholtz and Diffusion Equations Associated with Local Fractional Derivative Operators Involving the Cantorian and Cantor-Type Cylindrical Coordinates. *Advances in Mathematical Physics*, **2013**, 2013, 1-5 | 1.1 | 24 |
| 38 | An algorithm for the numerical solution of nonlinear fractional-order Van der Pol oscillator equation. *Mathematical and Computer Modelling*, **2012**, 55, 1782-1786 | | 15 |
| 37 | Travelling wave solutions of nonlinear evolution equations using the simplest equation method. *Computers and Mathematics With Applications*, **2012**, 64, 2084-2088 | 2.7 | 21 |
| 36 | The variational iteration method for solving n-th order fuzzy differential equations. *Open Physics*, **2012**, 10, | 1.3 | 20 |
| 35 | Exact Solutions of?4Equation Using Lie Symmetry Approach along with the Simplest Equation and Exp-Function Methods. *Abstract and Applied Analysis*, **2012**, 2012, 1-7 | 0.7 | 3 |
| 34 | Exact Travelling Wave Solutions for Isothermal Magnetostatic Atmospheres by Fan Subequation Method. *Abstract and Applied Analysis*, **2012**, 2012, 1-11 | 0.7 | 0 |
| 33 | The first integral method and traveling wave solutions to Davey Stewartson equation. *Nonlinear Analysis: Modelling and Control*, **2012**, 17, 182-193 | 1.3 | 32 |
| 32 | Homotopy analysis method for solving a couple of evolution equations and comparison with Adomian's decomposition method. *Waves in Random and Complex Media*, **2011**, 21, 657-667 | 1.9 | 5 |
| 31 | Fractional variational iteration method via modified Riemann Liouville derivative. *Journal of King Saud University - Science*, **2011**, 23, 413-417 | 3.6 | 45 |
| 30 | Application of Legendre wavelets for solving fractional differential equations. *Computers and Mathematics With Applications*, **2011**, 62, 1038-1045 | 2.7 | 114 |
| 29 | A new method for calculating general lagrange multiplier in the variational iteration method. *Numerical Methods for Partial Differential Equations*, **2011**, 27, 996-1001 | 2.5 | 15 |
| 28 | Application of the Laplace decomposition method for solving linear and nonlinear fractional diffusion wave equations. *Applied Mathematics Letters*, **2011**, 24, 1799-1805 | 3.5 | 75 |
| 27 | Solving a multi-order fractional differential equation using homotopy analysis method. *Journal of King Saud University - Science*, **2011**, 23, 151-155 | 3.6 | 29 |
| 26 | The Variational IterationMethod for Finding Exact Solution of Nonlinear Gas Dynamics Equations. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2011**, 66, 161-164 | 1.4 | 2 |
| 25 | New Exact-analytical Solutions For The Mkdv Equation. *Journal of Mathematics and Computer Science*, **2011**, 02, 413-416 | 2.6 | 2 |
| 24 | Numerical Solution of Non-linear Riccati Differential Equations with Fractional Order. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2010**, 11, | 1.8 | 2 |
| 23 | He's Variational Iteration Method for Solving Fractional Riccati Differential Equation. *International Journal of Differential Equations*, **2010**, 2010, 1-8 | 0.8 | 30 |

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| 22 | Homotopy Perturbation Pade Technique for Solving Fractional Riccati Differential Equations. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2010**, 11, | 1.8 | 7 |
| 21 | New solitary wave solutions for generalized regularized long-wave equation. *International Journal of Computer Mathematics*, **2010**, 87, 509-514 | 1.2 | 12 |
| 20 | Application of homotopy perturbation method to multidimensional partial differential equations. *International Journal of Computer Mathematics*, **2010**, 87, 2444-2449 | 1.2 | 1 |
| 19 | The homotopy analysis method for solving higher dimensional initial boundary value problems of variable coefficients. *Numerical Methods for Partial Differential Equations*, **2010**, 26, 1021-1032 | 2.5 | 9 |
| 18 | Application of variational iteration method for modified Camassa-Holm and Degasperis-Procesi equations. *Numerical Methods for Partial Differential Equations*, **2010**, 26, 1033-1039 | 2.5 | 4 |
| 17 | Homotopy analysis method for solving multi-term linear and nonlinear diffusion-wave equations of fractional order. *Computers and Mathematics With Applications*, **2010**, 59, 1337-1344 | 2.7 | 51 |
| 16 | New solitary wave solutions for the bad Boussinesq and good Boussinesq equations. *Numerical Methods for Partial Differential Equations*, **2009**, 25, 1231-1237 | 2.5 | 21 |
| 15 | Solving a system of nonlinear fractional partial differential equations using homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 1962-1969 | 3.7 | 83 |
| 14 | Homotopy analysis method for solving linear and nonlinear fractional diffusion-wave equation. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 2006-2012 | 3.7 | 107 |
| 13 | Numerical method for the wave and nonlinear diffusion equations with the homotopy perturbation method. *Computers and Mathematics With Applications*, **2009**, 57, 1226-1231 | 2.7 | 20 |
| 12 | Analysis of nonlinear oscillation systems using He's variational approach. *Journal of Physics: Conference Series*, **2008**, 96, 012077 | 0.3 | 3 |
| 11 | Solving a fourth-order fractional diffusion-wave equation in a bounded domain by decomposition method. *Numerical Methods for Partial Differential Equations*, **2008**, 24, 1115-1126 | 2.5 | 29 |
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