

# Farzad Khani

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,142  
citations

361413

20  
h-index

414414

32  
g-index

50  
all docs

50  
docs citations

50  
times ranked

575  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The homotopy analysis method to solve the Burgersâ€™Huxley equation. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 589-600.   | 1.7 | 124       |
| 2  | Analytical solutions and efficiency of the nonlinear fin problem with temperature-dependent thermal conductivity and heat transfer coefficient. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 3327-3338. | 3.3 | 102       |
| 3  | Thermal analysis of a longitudinal trapezoidal fin with temperature-dependent thermal conductivity and heat transfer coefficient. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 590-601.                 | 3.3 | 93        |
| 4  | Convectionâ€™radiation from a continuously moving fin of variable thermal conductivity. <i>Journal of the Franklin Institute</i> , 2011, 348, 640-651.   | 3.4 | 68        |
| 5  | Spectral collocation method and Darvishiâ€™s preconditionings to solve the generalized Burgersâ€™Huxley equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 2091-2103.                               | 3.3 | 58        |
| 6  | The numerical simulation for stiff systems of ordinary differential equations. <i>Computers and Mathematics With Applications</i> , 2007, 54, 1055-1063.   | 2.7 | 52        |
| 7  | A series solution of the fin problem with a temperature-dependent thermal conductivity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 3007-3017.   | 3.3 | 51        |
| 8  | New solitary wave and periodic solutions of the foam drainage equation using the Exp-function method. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 1904-1911.  | 1.7 | 47        |
| 9  | Thermal analysis of natural convection and radiation in a fully wet porous fin. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 2419-2431.   | 2.8 | 39        |
| 10 | A series solution of the foam drainage equation. <i>Computers and Mathematics With Applications</i> , 2009, 58, 360-368.   | 2.7 | 33        |
| 11 | Analytic solution for heat transfer of a third grade viscoelastic fluid in non-Darcy porous media with thermophysical effects. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 3867-3878.                  | 3.3 | 28        |
| 12 | Analytic solutions for a rotating radial fin of rectangular and various convex parabolic profiles. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 1565-1574.  | 3.3 | 28        |
| 13 | Analytical investigation for cooling turbine disks with a non-Newtonian viscoelastic fluid. <i>Computers and Mathematics With Applications</i> , 2011, 61, 1728-1738.  | 2.7 | 28        |
| 14 | Numerical investigation for a hyperbolic annular fin with temperature dependent thermal conductivity. <i>Propulsion and Power Research</i> , 2016, 5, 55-62.   | 4.3 | 27        |
| 15 | Thermal performance of a porous radial fin with natural convection and radiative heat losses. <i>Thermal Science</i> , 2015, 19, 669-678.  | 1.1 | 27        |
| 16 | Natural convection and radiation in porous fins. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 1406-1420.  | 2.8 | 26        |
| 17 | Soliton solutions of the two-dimensional KdV-Burgers equation by homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 370, 433-436.  | 2.1 | 25        |
| 18 | Numerical and explicit solutions of the fifth-order Korteweg-de Vries equations. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2484-2490.  | 5.1 | 25        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | NEW EXACT SOLUTIONS OF COUPLED (2+1)-DIMENSIONAL NONLINEAR SYSTEMS OF SCHRÖDINGER EQUATIONS. ANZIAM Journal, 2010, 52, 110-121.   | 0.2 | 24        |
| 20 | New modification of the HPM for numerical solutions of the sine-Gordon and coupled sine-Gordon equations. International Journal of Computer Mathematics, 2010, 87, 908-919.                                   | 1.8 | 23        |
| 21 | Unsteady thermal response of a porous fin under the influence of natural convection and radiation. Heat and Mass Transfer, 2014, 50, 1311-1317.   | 2.1 | 22        |
| 22 | Application of He's Homotopy Perturbation Method to Stiff Systems of Ordinary Differential Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 19-23.               | 1.5 | 18        |
| 23 | A numerical solution of the Korteweg-de Vries equation by pseudospectral method using Darvishi's preconditionings. Applied Mathematics and Computation, 2006, 182, 98-105.                                    | 2.2 | 16        |
| 24 | A reliable treatment for nonlinear Schrödinger equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 234-240.  | 2.1 | 15        |
| 25 | Spectral collocation solution of a generalized Hirota's Satsuma coupled KdV equation. International Journal of Computer Mathematics, 2007, 84, 541-551.   | 1.8 | 14        |
| 26 | Homotopy Analysis Method for Variable Thermal Conductivity Heat Flux Gage with Edge Contact Resistance. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 771-776.           | 1.5 | 14        |
| 27 | Numerical solutions of highly oscillatory integrals. Applied Mathematics and Computation, 2008, 198, 657-664.   | 2.2 | 11        |
| 28 | Thermal analysis of a fully wet porous radial fin with natural convection and radiation using the spectral collocation method. International Journal of Applied Mechanics and Engineering, 2016, 21, 377-392. | 0.7 | 10        |
| 29 | New Exact Solutions of the Brusselator Reaction Diffusion Model Using the Exp-Function Method. Mathematical Problems in Engineering, 2009, 2009, 1-9.   | 1.1 | 9         |
| 30 | Analytic study on the higher order Ito equations: New solitary wave solutions using the Exp-function method. Chaos, Solitons and Fractals, 2009, 41, 2128-2134.   | 5.1 | 9         |
| 31 | Some new exact solutions of the variable coefficient Broer-Kaup system using the Exp-function method. Computers and Mathematics with Applications, 2009, 58, 2325-2330.                                       | 2.7 | 9         |
| 32 | Symmetric block-SOR methods for rank-deficient least squares problems. Journal of Computational and Applied Mathematics, 2008, 215, 14-27.  | 2.0 | 7         |
| 33 | Hawking temperature and entropy of Kerr-Sen black hole as a series with dependence on Planck constant. Astrophysics and Space Science, 2013, 348, 189-191.  | 1.4 | 7         |
| 34 | New Exact Solutions of a Relativistic Toda Lattice System. Chinese Physics Letters, 2012, 29, 094101.   | 3.3 | 6         |
| 35 | Measuring the relative efficiency of Ilam hospitals using data envelopment analysis. Management Science Letters, 2012, 2, 1189-1194.  | 1.5 | 6         |
| 36 | Simultaneous heat and mass transfer in natural convection about an isothermal vertical plate. Journal of King Saud University - Science, 2012, 24, 123-129.   | 3.5 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Synthesis, characterization, and experimental investigation of surface activity of SERS substrates using neodymium oxide (Nd <sub>2</sub> O <sub>3</sub> ). Journal of Nanostructure in Chemistry, 2013, 3, 1. | 9.1 | 6         |
| 38 | Symmetric modified AOR method to solve systems of linear equations. Journal of Applied Mathematics and Computing, 2011, 36, 41-59.   | 2.5 | 5         |
| 39 | Numerical investigation of the flow of a micropolar fluid through a porous channel with expanding or contracting walls. Propulsion and Power Research, 2014, 3, 133-142.                                       | 4.3 | 5         |
| 40 | Generalized uncertainty principle and quantum gravitational effects on tunneling rate of Reissner-Nordström black hole. Astrophysics and Space Science, 2013, 343, 161-164.                                    | 1.4 | 4         |
| 41 | Generalized uncertainty principle and Bekenstein-Hawking entropy in tunneling rate of Kerr black hole. Astrophysics and Space Science, 2013, 346, 127-130.   | 1.4 | 3         |
| 42 | The phase space of quantum cosmology. Astrophysics and Space Science, 2013, 345, 421-425.  | 1.4 | 3         |
| 43 | Corrected horizon of Kerr-Sen black hole as a series with terms involve powers of the inverse of the area. Astrophysics and Space Science, 2014, 350, 275-277.   | 1.4 | 3         |
| 44 | Deformed time-energy uncertainty in string theory. Chaos, Solitons and Fractals, 2009, 42, 1097-1099.  | 5.1 | 2         |
| 45 | Minimal length uncertainty and generalized non-commutative geometry. Chaos, Solitons and Fractals, 2009, 42, 2833-2835.  | 5.1 | 2         |
| 46 | Generalized uncertainty principle and s-wave semiclassical tunneling radiation of Kerr black hole. Astrophysics and Space Science, 2012, 341, 465-468.   | 1.4 | 1         |
| 47 | Neural networks and forecasting stock price movements-accounting approach: Empirical evidence from Iran , Pages 1417-1424. Management Science Letters, 2012, 2, 1417-1424.                                     | 1.5 | 1         |
| 48 | Solution of Some Systems of Nonlinear Partial Differential Equations by Variational Iteration Method. Journal of Algorithms and Computational Technology, 2010, 4, 1-14.                                       | 0.7 | 0         |
| 49 | A correction of (2+1) Dimensional BTZ Black Hole Entropy as a New Series with Dependence on Plank Constant. International Journal of Theoretical Physics, 2018, 57, 127-130.                                   | 1.2 | 0         |
| 50 | AN EFFICIENT NUMERICAL METHOD FOR SOLVING FREDHOLM INTEGRAL EQUATIONS OVER (0,+infinity). International Journal of Pure and Applied Mathematics, 2013, 85, .   | 0.2 | 0         |