# Ishak Hashim

List of Publications by Year
in descending order



| 160 | 4,304 | 94433 | 144013 |
|---|---|---|---|
| papers | citations | 37 h-index | 57 g-index |

| 160 | 160 | 160 | 1855 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Impacts of amplitude and heat source on natural convection of hybrid nanofluids into a wavy enclosure via heatline approach. Waves in Random and Complex Media, 2023, 33, 1060-1084. | 2.7 | 14 |
| 2 | Role of fluid-structure interaction in free convection in square open cavity with double flexible oscillating fins. AEJ - Alexandria Engineering Journal, 2022, 61, 1217-1234. | 6.4 | 6 |
| 3 | Energy transport of wavy non-homogeneous hybrid nanofluid cavity partially filled with porous LTNE layer. Journal of Petroleum Science and Engineering, 2022, 208, 109655. | 4.2 | 7 |
| 4 | A Reliable Approach for Solving Delay Fractional Differential Equations. Fractal and Fractional, 2022, 6, 124. | 3.3 | 3 |
| 5 | Impacts of two-phase nanofluid approach toward forced convection heat transfer within a 3D wavy horizontal channel. Chinese Journal of Physics, 2022, 77, 350-365. | 3.9 | 9 |
| 6 | Fractional Bernstein operational matrices for solving integro-differential equations involved by Caputo fractional derivative. Results in Applied Mathematics, 2022, 14, 100258. | 1.3 | 7 |
| 7 | Shifted Fractional-Order Jacobi Collocation Method for Solving Variable-Order Fractional Integro-Differential Equation with Weakly Singular Kernel. Fractal and Fractional, 2022, 6, 19. | 3.3 | 7 |
| 8 | Forced convection of turbulent flow into the wavy parallel channel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11183-11194. | 3.6 | 6 |
| 9 | Bernstein Collocation Method for Solving MHD Jefferyâ€“Hamel Blood Flow Problem with Error Estimations. International Journal of Differential Equations, 2022, 2022, 1-9. | 0.8 | 0 |
| 10 | Nanofluid mixed convection inside wavy cavity with heat source: A non-homogeneous study. Case Studies in Thermal Engineering, 2022, 34, 102049. | 5.7 | 12 |
| 11 | Thermal performance of a vertical double-passage channel separated by a flexible thin sheet. International Communications in Heat and Mass Transfer, 2022, 137, 106238. | 5.6 | 1 |
| 12 | Impact of heat source on combined convection flow inside wavy-walled cavity filled with nanofluids via heatline concept. Applied Mathematics and Computation, 2021, 393, 125754. | 2.2 | 16 |
| 13 | Impact of two-phase hybrid nanofluid approach on mixed convection inside wavy lid-driven cavity having localized solid block. Journal of Advanced Research, 2021, 30, 63-74. | 9.5 | 85 |
| 14 | Unsteady flow and entropy analysis of nanofluids inside cubic porous container holding inserted body and wavy bottom wall. International Journal of Mechanical Sciences, 2021, 193, 106161. | 6.7 | 25 |
| 15 | Dynamic behavior and stabilization of brain cell reconstitution after stroke under the proliferation and differentiation processes for stem cells. Mathematical Biosciences and Engineering, 2021, 18, 6288-6304. | 1.9 | 2 |
| 16 | Fractional Bernstein Series Solution of Fractional Diffusion Equations with Error Estimate. Axioms, 2021, 10, 6. | 1.9 | 6 |
| 17 | An Enhanced Adaptive Bernstein Collocation Method for Solving Systems of ODEs. Mathematics, 2021, 9, 425. | 2.2 | 6 |
| 18 | Dynamical Simulation of Effective Stem Cell Transplantation for Modulation of Microglia Responses in Stroke Treatment. Symmetry, 2021, 13, 404. | 2.2 | 3 |

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|---|---|---|---|
| 19 | Modification of Newton-HousehÃ¶lder Method for Determining Multiple Roots of Unknown Multiplicity of Nonlinear Equations. Mathematics, 2021, 9, 1020. | 2.2 | 0 |
| 20 | New Cubic B-Spline Approximation for Solving Linear Two-Point Boundary-Value Problems. Mathematics, 2021, 9, 1250. | 2.2 | 4 |
| 21 | Impacts of Amplitude and Local Thermal Non-Equilibrium Design on Natural Convection within NanoflUid Superposed Wavy Porous Layers. Nanomaterials, 2021, 11, 1277. | 4.1 | 10 |
| 22 | Numerical and Theoretical Study of Performance and Mechanical Behavior of PEM-FC Using Innovative Channel Geometrical Configurations. Applied Sciences (Switzerland), 2021, 11, 5597. | 2.5 | 3 |
| 23 | Entropy production and mixed convection within trapezoidal cavity having nanofluids and localised solid cylinder. Scientific Reports, 2021, 11, 14700. | 3.3 | 22 |
| 24 | Extension of Operational Matrix Technique for the Solution of Nonlinear System of Caputo Fractional Differential Equations Subjected to Integral Type Boundary Constrains. Entropy, 2021, 23, 1154. | 2.2 | 5 |
| 25 | CFD Simulation of a 3D Solar Chimney Integrated with an Axial Turbine for Power Generation. Energies, 2021, 14, 5771. | 3.1 | 5 |
| 26 | Energy and Entropy Production of Nanofluid within an Annulus Partly Saturated by a Porous Region. Entropy, 2021, 23, 1237. | 2.2 | 4 |
| 27 | Transient nanofluid flow and energy dissipation from wavy surface using magnetic field and two rotating cylinders. Computers and Mathematics With Applications, 2021, 97, 329-343. | 2.7 | 16 |
| 28 | Solving a Higher-Dimensional Time-Fractional Diffusion Equation via the Fractional Reduced Differential Transform Method. Fractal and Fractional, 2021, 5, 168. | 3.3 | 3 |
| 29 | Entropy Analysis and Melting Heat Transfer in the Carreau Thin Hybrid Nanofluid Film Flow. Mathematics, 2021, 9, 3092. | 2.2 | 10 |
| 30 | Two-phase nanofluid model and magnetic field effects on mixed convection in a lid-driven cavity containing heated triangular wall. AEJ - Alexandria Engineering Journal, 2020, 59, 129-148. | 6.4 | 46 |
| 31 | Effect of nonhomogeneous nanofluid model on transient natural convection in a non-Darcy porous cavity containing an inner solid body. International Communications in Heat and Mass Transfer, 2020, 110, 104442. | 5.6 | 82 |
| 32 | An Efficient Scheme for Time-Dependent Emden-Fowler Type Equations Based on Two-Dimensional Bernstein Polynomials. Mathematics, 2020, 8, 1473. | 2.2 | 3 |
| 33 | Natural convection of $$mathrm {Al}_{2}mathrm {O}_{3}$$-water nanofluid in a non-Darcian wavy porous cavity under the local thermal non-equilibrium condition. Scientific Reports, 2020, 10, 18048. | 3.3 | 33 |
| 34 | Effects of flexible fin on natural convection in enclosure partially-filled with porous mediumâˆ†. AEJ - Alexandria Engineering Journal, 2020, 59, 3515-3529. | 6.4 | 11 |
| 35 | Non-uniqueness solutions for the thin Carreau film flow and heat transfer over an unsteady stretching sheet. International Communications in Heat and Mass Transfer, 2020, 117, 104776. | 5.6 | 22 |
| 36 | Radiative MHD Sutterby Nanofluid Flow Past a Moving Sheet: Scaling Group Analysis. Mathematics, 2020, 8, 1430. | 2.2 | 16 |

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| 37 | Buoyant Marangoni convection of nanofluids in right-angled trapezoidal cavity. Numerical Heat Transfer; Part A: Applications, 2020, 78, 656-673. | 2.1 | 3 |
| 38 | Effect of Rotational Speed Modulation on the Weakly Nonlinear Heat Transfer in Walter-B Viscoelastic Fluid in the Highly Permeable Porous Medium. Mathematics, 2020, 8, 1448. | 2.2 | 8 |
| 39 | Convection Heat Transfer in 3D Wavy Direct Absorber Solar Collector Based on Two-Phase Nanofluid Approach. Applied Sciences (Switzerland), 2020, 10, 7265. | 2.5 | 7 |
| 40 | Residual Series Representation Algorithm for Solving Fuzzy Duffing Oscillator Equations. Symmetry, 2020, 12, 572. | 2.2 | 51 |
| 41 | Entropy Generation and Mixed Convection Flow Inside a Wavy-Walled Enclosure Containing a Rotating Solid Cylinder and a Heat Source. Entropy, 2020, 22, 606. | 2.2 | 29 |
| 42 | Magnetohydrodynamics energy transport inside a double lid-driven wavy-walled chamber: Impacts of inner solid cylinder and two-phase nanoliquid approach. International Journal of Mechanical Sciences, 2020, 184, 105846. | 6.7 | 21 |
| 43 | Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks. Energies, 2020, 13, 2942. | 3.1 | 44 |
| 44 | Effective Method for Solving Different Types of Nonlinear Fractional Burgersâ€™ Equations. Mathematics, 2020, 8, 729. | 2.2 | 6 |
| 45 | Role of Rotating Cylinder toward Mixed Convection inside a Wavy Heated Cavity via Two-Phase Nanofluid Concept. Nanomaterials, 2020, 10, 1138. | 4.1 | 41 |
| 46 | Triple Solutions of Carreau Thin Film Flow with Thermocapillarity and Injection on an Unsteady Stretching Sheet. Energies, 2020, 13, 3177. | 3.1 | 10 |
| 47 | Impact of finite wavy wall thickness on entropy generation and natural convection of nanofluid in cavity partially filled with non-Darcy porous layer. Neural Computing and Applications, 2020, 32, 13679-13699. | 5.6 | 18 |
| 48 | Heatlines visualisation of mixed convection flow in a wavy heated cavity filled with nanofluids and having an inner solid block. International Journal of Mechanical Sciences, 2020, 175, 105529. | 6.7 | 56 |
| 49 | New Optimal Newton-Householder Methods for Solving Nonlinear Equations and their Dynamics. Computers, Materials and Continua, 2020, 65, 69-85. | 1.9 | 10 |
| 50 | Residual Correction Procedure with Bernstein Polynomials for Solving Important Systems of Ordinary Differential Equations. Computers, Materials and Continua, 2020, 64, 63-80. | 1.9 | 2 |
| 51 | Dynamic Modelling of Interactions between Microglia and Endogenous Neural Stem Cells in the Brain during a Stroke. Mathematics, 2020, 8, 132. | 2.2 | 6 |
| 52 | Conjugate heat transfer of Al2O3â€“water nanofluid in a square cavity heated by a triangular thick wall using Buongiornoâ€™s two-phase model. Journal of Thermal Analysis and Calorimetry, 2019, 135, 161-176. | 3.6 | 29 |
| 53 | Effects of two-phase nanofluid model on MHD mixed convection in a lid-driven cavity in the presence of conductive inner block and corner heater. Journal of Thermal Analysis and Calorimetry, 2019, 135, 729-750. | 3.6 | 60 |
| 54 | Solving directly third-order ODEs using operational matrices of Bernstein polynomials method with applications to fluid flow equations. Journal of King Saud University - Science, 2019, 31, 822-826. | 3.5 | 20 |

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| 55 | Adaptation of residual power series method to solve Fredholm fuzzy integro-differential equations. AIP Conference Proceedings, 2019, , . | 0.4 | 10 |
| 56 | Applications of fractional power series approach in solving fractional Volterra integro-differential equations. AIP Conference Proceedings, 2019, , . | 0.4 | 7 |
| 57 | Advanced Analytical Treatment of Fractional Logistic Equations Based on Residual Error Functions. International Journal of Differential Equations, 2019, 2019, 1-11. | 0.8 | 8 |
| 58 | Role of fluid-structure interaction in mixed convection from a circular cylinder in a square enclosure with double flexible oscillating fins. International Journal of Mechanical Sciences, 2019, 161-162, 105080. | 6.7 | 13 |
| 59 | Entropy generation and natural convection in a wavy-wall cavity filled with a nanofluid and containing an inner solid cylinder. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032044. | 0.6 | 8 |
| 60 | Efficacy of Optimal Methods for Nonlinear Equations with Chemical Engineering Applications. Mathematical Problems in Engineering, 2019, 2019, 1-11. | 1.1 | 7 |
| 61 | Optimal fourth- and eighth-order of convergence derivative-free modifications of Kingâ€™s method. Journal of King Saud University - Science, 2019, 31, 1499-1504. | 3.5 | 13 |
| 62 | Fluid-structure interaction analysis of entropy generation and mixed convection inside a cavity with flexible right wall and heated rotating cylinder. International Journal of Heat and Mass Transfer, 2019, 140, 331-345. | 4.8 | 88 |
| 63 | Modified Fractional Reduced Differential Transform Method for the Solution of Multiterm Time-Fractional Diffusion Equations. Advances in Mathematical Physics, 2019, 2019, 1-14. | 0.8 | 19 |
| 64 | Fractional Multi-Step Differential Transformed Method for Approximating a Fractional Stochastic SIS Epidemic Model with Imperfect Vaccination. International Journal of Environmental Research and Public Health, 2019, 16, 973. | 2.6 | 18 |
| 65 | Effect of local thermal non-equilibrium model on natural convection in a nanofluid-filled wavy-walled porous cavity containing inner solid cylinder. Chemical Engineering Science, 2019, 201, 247-263. | 3.8 | 130 |
| 66 | Residual Power Series Technique for Simulating Fractional Bagleyâ€“Torvik Problems Emerging in Applied Physics. Applied Sciences (Switzerland), 2019, 9, 5029. | 2.5 | 14 |
| 67 | Laplace transform on the recursive moments of aggregate discounted claims with Weibull interwaiting time. AIP Conference Proceedings, 2019, , . | 0.4 | 1 |
| 68 | Impact of nonhomogeneous nanofluid model on transient mixed convection in a double lid-driven wavy cavity involving solid circular cylinder. International Journal of Mechanical Sciences, 2019, 150, 637-655. | 6.7 | 76 |
| 69 | Effects of two-phase nanofluid model on convection in a double lid-driven cavity in the presence of a magnetic field. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1272-1299. | 2.8 | 34 |
| 70 | Numerical investigation of natural convection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si58.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Al</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m nanofluid in a wavy cavity with conductive inner block using Buongiornoâ€™s two-phase model. Advanced Powder Technology, 2019, 30, 399-414. | 1.1 | 92 |
| 71 | Effects of two-phase nanofluid model and localized heat source/sink on natural convection in a square cavity with a solid circular cylinder. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 952-981. | 6.6 | 42 |
| 72 | Two new efficient sixth order iterative methods for solving nonlinear equations. Journal of King Saud University - Science, 2019, 31, 701-705. | 3.5 | 15 |

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| 73 | Analytical treatment of two-dimensional fractional Helmholtz equations. Journal of King Saud University - Science, 2019, 31, 659-666. | 3.5 | 21 |
| 74 | Multistage Bernstein collocation method for solving strongly nonlinear damped systems. JVC/Journal of Vibration and Control, 2019, 25, 122-131. | 2.6 | 6 |
| 75 | Homotopy decomposition method for solving one-dimensional time-fractional diffusion equation. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 76 | Mixed convection of Al2O3-water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiornoâ€™s two-phase model. International Journal of Heat and Mass Transfer, 2018, 119, 939-961. | 4.8 | 127 |
| 77 | Conjugate natural convection of Al2O3â€“water nanofluid in a square cavity with a concentric solid insert using Buongiornoâ€™s two-phase model. International Journal of Mechanical Sciences, 2018, 136, 200-219. | 6.7 | 76 |
| 78 | Numerical investigation for handling fractional-order Rabinovichâ€“Fabrikant model using the multistep approach. Soft Computing, 2018, 22, 773-782. | 3.6 | 40 |
| 79 | Analysis of zero and nonzero normal mass fluxes of a Newtonian nanofluid flow. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 80 | Effects of Non-Homogeneous Nanofluid Model on Natural Convection in a Square Cavity in the Presence of Conducting Solid Block and Corner Heater. Energies, 2018, 11, 2507. | 3.1 | 30 |
| 81 | Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. Entropy, 2018, 20, 664. | 2.2 | 56 |
| 82 | Effects of two-phase nanofluid model on natural convection in a square cavity in the presence of an adiabatic inner block and magnetic field. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 1613-1647. | 2.8 | 33 |
| 83 | Fluid-structure interaction in natural convection heat transfer in an oblique cavity with a flexible oscillating fin and partial heating. Applied Thermal Engineering, 2018, 145, 80-97. | 6.0 | 55 |
| 84 | Effect of rotating solid cylinder on entropy generation and convective heat transfer in a wavy porous cavity heated from below. International Communications in Heat and Mass Transfer, 2018, 95, 197-209. | 5.6 | 87 |
| 85 | Laplace transform on the recursive moments of copula-dependent aggregate discounted claims. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 86 | Direct solution of second-order system of ODEs using Bernstein polynomials. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 87 | MHD convective heat transfer in a discretely heated square cavity with conductive inner block using two-phase nanofluid model. Scientific Reports, 2018, 8, 7410. | 3.3 | 62 |
| 88 | Entropy Generation Analysis and Natural Convection in a Nanofluid-Filled Square Cavity with a Concentric Solid Insert and Different Temperature Distributions. Entropy, 2018, 20, 336. | 2.2 | 29 |
| 89 | Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 275-293. | 2.6 | 78 |
| 90 | Flow and Heat Transfer in a Nanofluid Thin Film Over an Unsteady Stretching Sheet. Sains Malaysiana, 2018, 47, 1599-1605. | 0.5 | 12 |

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| 91 | Homotopy Decomposition Method for Solving Higher-Order Time- Fractional Diffusion Equation via Modified Beta Derivative. Sains Malaysiana, 2018, 47, 2899-2905. | 0.5 | 9 |
| 92 | Solution of fractional-order differential equations based on the operational matrices of new fractional Bernstein functions. Journal of King Saud University - Science, 2017, 29, 1-18. | 3.5 | 40 |
| 93 | Effect of spatial side-wall temperature variation on transient natural convection of a nanofluid in a trapezoidal cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 1365-1384. | 2.8 | 28 |
| 94 | Effects of Nonuniform Heating and Wall Conduction on Natural Convection in a Square Porous Cavity Using LTNE Model. Journal of Heat Transfer, 2017, 139, . | 2.1 | 29 |
| 95 | Natural Convection Flow of a Nanofluid in an Inclined Square Enclosure Partially Filled with a Porous Medium. Scientific Reports, 2017, 7, 2357. | 3.3 | 74 |
| 96 | Solutions to Uncertain Volterra Integral Equations by Fitted Reproducing Kernel Hilbert Space Method. Journal of Function Spaces, 2016, 2016, 1-11. | 0.9 | 24 |
| 97 | Heatline visualization of conjugate natural convection in a square cavity filled with nanofluid with sinusoidal temperature variations on both horizontal walls. International Journal of Heat and Mass Transfer, 2016, 100, 835-850. | 4.8 | 81 |
| 98 | Oberbeckâ€“Boussinesq free convection of water based nanoliquids in a vertical channel using Dirichlet, Neumann and Robin boundary conditions on temperature. AEJ - Alexandria Engineering Journal, 2016, 55, 2285-2297. | 6.4 | 1 |
| 99 | Bernstein method for the MHD flow and heat transfer of a second grade fluid in a channel with porous wall. AEJ - Alexandria Engineering Journal, 2016, 55, 2149-2156. | 6.4 | 11 |
| 100 | Transient free convective heat transfer in nanoliquid-saturated porous square cavity with a concentric solid insert and sinusoidal boundary condition. Superlattices and Microstructures, 2016, 100, 1006-1028. | 3.1 | 28 |
| 101 | Transient natural convection heat transfer in nanoliquid-saturated porous oblique cavity using thermal non-equilibrium model. International Journal of Mechanical Sciences, 2016, 114, 233-245. | 6.7 | 29 |
| 102 | Multistage Bernstein polynomials for the solutions of the Fractional Order Stiff Systems. Journal of King Saud University - Science, 2016, 28, 280-285. | 3.5 | 13 |
| 103 | A New Approximation Method for Solving Fuzzy Heat Equations. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7825-7832. | 0.4 | 5 |
| 104 | Bernstein polynomials for solving nonlinear stiff system of ordinary differential equations. AIP Conference Proceedings, 2015, , . | 0.4 | 4 |
| 105 | Flow reversal of fully developed double diffusive mixed convection in a vertical channel. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 106 | Stability of Nonhyperbolic Equilibrium Solution of Second Order Nonlinear Rational Difference Equation. Journal of Difference Equations, 2015, 2015, 1-12. | 0.1 | 0 |
| 107 | Stability of Hyperbolic Equilibrium Solution of Second Order Nonlinear Rational Difference Equation. Journal of Difference Equations, 2015, 2015, 1-21. | 0.1 | 1 |
| 108 | A Novel Representation of the Exact Solution for Differential Algebraic Equations System Using Residual Power-Series Method. Discrete Dynamics in Nature and Society, 2015, 2015, 1-12. | 0.9 | 34 |

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| 109 | Heatline visualization of natural convection in a trapezoidal cavity partly filled with nanofluid porous layer and partly with non-Newtonian fluid layer. Advanced Powder Technology, 2015, 26, 1230-1244. | 4.1 | 62 |
| 110 | Buoyant Marangoni convection of nanofluids in square cavity. Applied Mathematics and Mechanics (English Edition), 2015, 36, 1169-1184. | 3.6 | 18 |
| 111 | APPROXIMATE SOLUTIONS OF SINGULAR DIFFERENTIAL EQUATIONS WITH ESTIMATION ERROR BY USING BERNSTEIN POLYNOMIALS. International Journal of Pure and Applied Mathematics, 2015, 100, . | 0.2 | 10 |
| 112 | Natural Convection in a Differentially Heated Square Enclosure with a Solid Polygon. Scientific World Journal, The, 2014, 2014, 1-11. | 2.1 | 13 |
| 113 | Conjugate Heat Transfer in Rayleigh-BÃ©nard Convection in a Square Enclosure. Scientific World Journal, The, 2014, 2014, 1-8. | 2.1 | 7 |
| 114 | Numerical Analysis of Nanofluids in Differentially Heated Enclosure Undergoing Orthogonal Rotation. Advances in Mathematical Physics, 2014, 2014, 1-11. | 0.8 | 4 |
| 115 | On the rational second kind Chebyshev pseudospectral method for the solution of the Thomasâ€“Fermi equation over an infinite interval. Journal of Computational and Applied Mathematics, 2014, 257, 79-85. | 2.0 | 18 |
| 116 | Inhibition or enhancement of chaotic convection via inclined magnetic field. Applied Mathematical Modelling, 2014, 38, 2996-3002. | 4.2 | 5 |
| 117 | Natural convection in an enclosure containing a sinusoidally heated cylindrical source. International Journal of Heat and Mass Transfer, 2014, 70, 119-127. | 4.8 | 47 |
| 118 | Pseudospectral methods based on nonclassical orthogonal polynomials for solving nonlinear variational problems. International Journal of Computer Mathematics, 2014, 91, 1552-1573. | 1.8 | 2 |
| 119 | Multiple Solutions of Problems in Fluid Mechanics by Predictor Optimal Homotopy Asymptotic Method. Advances in Mechanical Engineering, 2014, 6, 372537. | 1.6 | 1 |
| 120 | On convergence of homotopy analysis method and its application to fractional integro-differential equations. Quaestiones Mathematicae, 2013, 36, 93-105. | 0.6 | 135 |
| 121 | Conjugate Natural Convection in a Porous Enclosure Sandwiched by Finite Walls Under the Influence of Non-uniform Heat Generation and Radiation. Transport in Porous Media, 2013, 99, 453-465. | 2.6 | 10 |
| 122 | Effect of Conduction in Bottom Wall on BÃ©nard Convection in a Porous Enclosure with Localized Heating and Lateral Cooling. Transport in Porous Media, 2013, 96, 305-318. | 2.6 | 9 |
| 123 | Numerical Investigation of the Effect of Magnetic Field on Natural Convection in a Curved-Shape Enclosure. Mathematical Problems in Engineering, 2013, 2013, 1-10. | 1.1 | 28 |
| 124 | Flow Reversal of Fully Developed Mixed Convection in a Vertical Channel with Chemical Reaction. International Journal of Chemical Engineering, 2013, 2013, 1-4. | 2.4 | 3 |
| 125 | On a Five-Dimensional Chaotic System Arising from Double-Diffusive Convection in a Fluid Layer. Abstract and Applied Analysis, 2013, 2013, 1-10. | 0.7 | 4 |
| 126 | Optimal Homotopy Asymptotic Method for Solving Delay Differential Equations. Mathematical Problems in Engineering, 2013, 2013, 1-11. | 1.1 | 12 |

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| 127 | On the Period-Two Cycles ofxn+1=(Î±+Î²xn+Î³xn-k)/(A+Bxn+Cxn-k). Abstract and Applied Analysis, 2013, 2013, 1-10. | 0.7 | 0 |
| 128 | Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem. Mathematical Problems in Engineering, 2013, 2013, 1-7. | 1.1 | 14 |
| 129 | Numerical Scheme for Solving Singular Two-Point Boundary Value Problems. Journal of Applied Mathematics, 2013, 2013, 1-8. | 0.9 | 5 |
| 130 | Transient Natural Convection in Porous Square Cavity Heated and Cooled on Adjacent Walls. Mathematical Problems in Engineering, 2012, 2012, 1-10. | 1.1 | 2 |
| 131 | Effects of Thermocapillarity and Thermal Radiation on Flow and Heat Transfer in a Thin Liquid Film on an Unsteady Stretching Sheet. Mathematical Problems in Engineering, 2012, 2012, 1-14. | 1.1 | 26 |
| 132 | Local Stability of Period Two Cycles of Second Order Rational Difference Equation. Discrete Dynamics in Nature and Society, 2012, 2012, 1-11. | 0.9 | 4 |
| 133 | Dynamical System Analysis of Thermal Convection in a Horizontal Layer of Nanofluids Heated from Below. Mathematical Problems in Engineering, 2012, 2012, 1-13. | 1.1 | 15 |
| 134 | Flow and Heat Transfer of Cu-Water Nanofluid between a Stretching Sheet and a Porous Surface in a Rotating System. Journal of Applied Mathematics, 2012, 2012, 1-18. | 0.9 | 94 |
| 135 | Analysis of IVPs and BVPs on Semi-Infinite Domains via Collocation Methods. Journal of Applied Mathematics, 2012, 2012, 1-21. | 0.9 | 11 |
| 136 | Conjugate Natural Convection in a Porous Enclosure with Non-Uniform Heat Generation. Transport in Porous Media, 2012, 94, 759-774. | 2.6 | 14 |
| 137 | Effect of rotating cylinder on heat transfer in a square enclosure filled with nanofluids. International Journal of Heat and Mass Transfer, 2012, 55, 7247-7256. | 4.8 | 107 |
| 138 | Thin film flow and heat transfer on an unsteady stretching sheet with internal heating. Meccanica, 2011, 46, 349-357. | 2.0 | 87 |
| 139 | Analysis of fully developed flow and heat transfer in a vertical channel with prescribed wall heat fluxes by the homotopy analysis method. International Journal for Numerical Methods in Fluids, 2011, 67, 805-819. | 1.6 | 1 |
| 140 | Effects of a magnetic field on chaotic convection in fluid layer heated from below. International Communications in Heat and Mass Transfer, 2011, 38, 481-486. | 5.6 | 20 |
| 141 | Thermocapillarity and magnetic field effects in a thin liquid film on an unsteady stretching surface. International Journal of Heat and Mass Transfer, 2010, 53, 2044-2051. | 4.8 | 91 |
| 142 | Small and Moderate Prandtl Number Chaotic Convection in Porous Media in the Presence of Feedback Control. Transport in Porous Media, 2010, 84, 421-440. | 2.6 | 15 |
| 143 | Effects of a magnetic field on chaos for low Prandtl number convection in porous media. Nonlinear Dynamics, 2010, 62, 905-917. | 5.2 | 19 |
| 144 | MHD flow and heat transfer in a thin liquid film on an unsteady stretching sheet by the homotopy analysis method. International Journal for Numerical Methods in Fluids, 2010, 63, 357-373. | 1.6 | 50 |

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| 145 | Low Prandtl number chaotic convection in porous media with uniform internal heat generation. International Communications in Heat and Mass Transfer, 2010, 37, 629-636. | 5.6 | 27 |
| 146 | Liquid Film on Unsteady Stretching Sheet with General Surface Temperature and Viscous Dissipation. Chinese Physics Letters, 2010, 27, 110202. | 3.3 | 30 |
| 147 | Effects of Magnetic Field and Nonlinear Temperature Profile on Marangoni Convection in Micropolar Fluid. Differential Equations and Nonlinear Mechanics, 2009, 2009, 1-11. | 0.3 | 4 |
| 148 | Solution of fully developed free convection of a micropolar fluid in a vertical channel by homotopy analysis method. International Journal for Numerical Methods in Fluids, 2009, 60, 779-789. | 1.6 | 10 |
| 149 | Homotopy analysis method for fully developed MHD micropolar fluid flow between vertical porous plates. International Journal for Numerical Methods in Engineering, 2009, 78, 817-827. | 2.8 | 29 |
| 150 | Homotopy analysis method for singular IVPs of Emdenâ€“Fowler type. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1121-1131. | 3.3 | 93 |
| 151 | Solutions of Emdenâ€“Fowler equations by homotopy-perturbation method. Nonlinear Analysis: Real World Applications, 2009, 10, 104-115. | 1.7 | 97 |
| 152 | Fully Developed Free Convection Heat and Mass Transfer of a Micropolar Fluid Between Porous Vertical Plates. Numerical Heat Transfer; Part A: Applications, 2009, 55, 270-288. | 2.1 | 26 |
| 153 | Approximate solutions of singular two-point BVPs by modified homotopy analysis method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4062-4066. | 2.1 | 41 |
| 154 | Adaptation of homotopy-perturbation method for numericâ€“analytic solution of system of ODEs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 470-481. | 2.1 | 39 |
| 155 | Solving systems of ODEs by homotopy analysis method. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 2060-2070. | 3.3 | 73 |
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