

# Ishak Hashim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9210281/publications.pdf>

Version: 2024-02-01

160  
papers

4,304  
citations

94433

37  
h-index

144013

57  
g-index

160  
all docs

160  
docs citations

160  
times ranked

1855  
citing authors

#	ARTICLE	IF	CITATIONS
1	On convergence of homotopy analysis method and its application to fractional integro-differential equations. <i>Quaestiones Mathematicae</i> , 2013, 36, 93-105.	0.6	135
2	Effect of local thermal non-equilibrium model on natural convection in a nanofluid-filled wavy-walled porous cavity containing inner solid cylinder. <i>Chemical Engineering Science</i> , 2019, 201, 247-263.	3.8	130
3	Mixed convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiorno's two-phase model. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 939-961.	4.8	127
4	Effect of rotating cylinder on heat transfer in a square enclosure filled with nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7247-7256.	4.8	107
5	Solutions of Emden-Fowler equations by homotopy-perturbation method. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 104-115.	1.7	97
6	Flow and Heat Transfer of Cu-Water Nanofluid between a Stretching Sheet and a Porous Surface in a Rotating System. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-18.	0.9	94
7	Homotopy analysis method for singular IVPs of Emden-Fowler type. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 1121-1131.	3.3	93
8	Numerical investigation of natural convection of $Al_2O_3$ -water nanofluid in a wavy cavity with conductive inner block using Buongiorno's two-phase model. <i>Advanced Powder Technology</i> , 2019, 30, 399-414.	4.8	91
9	Thermocapillarity and magnetic field effects in a thin liquid film on an unsteady stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 2044-2051.	4.8	91
10	Solutions of time-dependent Emden-Fowler type equations by homotopy analysis method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 371, 72-82.	2.1	88
11	Fluid-structure interaction analysis of entropy generation and mixed convection inside a cavity with flexible right wall and heated rotating cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 331-345.	4.8	88
12	Thin film flow and heat transfer on an unsteady stretching sheet with internal heating. <i>Meccanica</i> , 2011, 46, 349-357.	2.0	87
13	Effect of rotating solid cylinder on entropy generation and convective heat transfer in a wavy porous cavity heated from below. <i>International Communications in Heat and Mass Transfer</i> , 2018, 95, 197-209.	5.6	87
14	Impact of two-phase hybrid nanofluid approach on mixed convection inside wavy lid-driven cavity having localized solid block. <i>Journal of Advanced Research</i> , 2021, 30, 63-74.	9.5	85
15	Effect of nonhomogeneous nanofluid model on transient natural convection in a non-Darcy porous cavity containing an inner solid body. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104442.	5.6	82
16	Heatline visualization of conjugate natural convection in a square cavity filled with nanofluid with sinusoidal temperature variations on both horizontal walls. <i>International Journal of Heat and Mass Transfer</i> , 2016, 100, 835-850.	4.8	81
17	Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 275-293.	2.6	78
18	Conjugate natural convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a square cavity with a concentric solid insert using Buongiorno's two-phase model. <i>International Journal of Mechanical Sciences</i> , 2018, 136, 200-219.	6.7	76

#	ARTICLE	IF	CITATIONS
19	Impact of nonhomogeneous nanofluid model on transient mixed convection in a double lid-driven wavy cavity involving solid circular cylinder. <i>International Journal of Mechanical Sciences</i> , 2019, 150, 637-655.	6.7	76
20	Natural Convection Flow of a Nanofluid in an Inclined Square Enclosure Partially Filled with a Porous Medium. <i>Scientific Reports</i> , 2017, 7, 2357.	3.3	74
21	Solving systems of ODEs by homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 2060-2070.	3.3	73
22	Solutions of time-dependent Emden–Fowler type equations by homotopy-perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 368, 305-313.	2.1	72
23	Heatline visualization of natural convection in a trapezoidal cavity partly filled with nanofluid porous layer and partly with non-Newtonian fluid layer. <i>Advanced Powder Technology</i> , 2015, 26, 1230-1244.	4.1	62
24	MHD convective heat transfer in a discretely heated square cavity with conductive inner block using two-phase nanofluid model. <i>Scientific Reports</i> , 2018, 8, 7410.	3.3	62
25	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 729-750.	3.6	60
26	Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. <i>Entropy</i> , 2018, 20, 664.	2.2	56
27	Heatlines visualisation of mixed convection flow in a wavy heated cavity filled with nanofluids and having an inner solid block. <i>International Journal of Mechanical Sciences</i> , 2020, 175, 105529.	6.7	56
28	Fluid-structure interaction in natural convection heat transfer in an oblique cavity with a flexible oscillating fin and partial heating. <i>Applied Thermal Engineering</i> , 2018, 145, 80-97.	6.0	55
29	Residual Series Representation Algorithm for Solving Fuzzy Duffing Oscillator Equations. <i>Symmetry</i> , 2020, 12, 572.	2.2	51
30	MHD flow and heat transfer in a thin liquid film on an unsteady stretching sheet by the homotopy analysis method. <i>International Journal for Numerical Methods in Fluids</i> , 2010, 63, 357-373.	1.6	50
31	Natural convection in an enclosure containing a sinusoidally heated cylindrical source. <i>International Journal of Heat and Mass Transfer</i> , 2014, 70, 119-127.	4.8	47
32	Two-phase nanofluid model and magnetic field effects on mixed convection in a lid-driven cavity containing heated triangular wall. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 129-148.	6.4	46
33	Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks. <i>Energies</i> , 2020, 13, 2942.	3.1	44
34	Effects of two-phase nanofluid model and localized heat source/sink on natural convection in a square cavity with a solid circular cylinder. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 952-981.	6.6	42
35	Approximate solutions of singular two-point BVPs by modified homotopy analysis method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4062-4066.	2.1	41
36	Role of Rotating Cylinder toward Mixed Convection inside a Wavy Heated Cavity via Two-Phase Nanofluid Concept. <i>Nanomaterials</i> , 2020, 10, 1138.	4.1	41

#	ARTICLE	IF	CITATIONS
37	Solution of fractional-order differential equations based on the operational matrices of new fractional Bernstein functions. <i>Journal of King Saud University - Science</i> , 2017, 29, 1-18.	3.5	40
38	Numerical investigation for handling fractional-order Rabinovich-Fabrikant model using the multistep approach. <i>Soft Computing</i> , 2018, 22, 773-782.	3.6	40
39	Adaptation of homotopy-perturbation method for numeric-analytic solution of system of ODEs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 470-481.	2.1	39
40	A Novel Representation of the Exact Solution for Differential Algebraic Equations System Using Residual Power-Series Method. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-12.	0.9	34
41	Effects of two-phase nanofluid model on convection in a double lid-driven cavity in the presence of a magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1272-1299.	2.8	34
42	Effects of two-phase nanofluid model on natural convection in a square cavity in the presence of an adiabatic inner block and magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 1613-1647.	2.8	33
43	Natural convection of $\text{Al}_2\text{O}_3$ -water nanofluid in a non-Darcian wavy porous cavity under the local thermal non-equilibrium condition. <i>Scientific Reports</i> , 2020, 10, 18048.	3.3	33
44	Application of variational iteration method to heat- and wave-like equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 369, 55-61.	2.1	32
45	Liquid Film on Unsteady Stretching Sheet with General Surface Temperature and Viscous Dissipation. <i>Chinese Physics Letters</i> , 2010, 27, 110202.	3.3	30
46	Effects of Non-Homogeneous Nanofluid Model on Natural Convection in a Square Cavity in the Presence of Conducting Solid Block and Corner Heater. <i>Energies</i> , 2018, 11, 2507.	3.1	30
47	Homotopy analysis method for fully developed MHD micropolar fluid flow between vertical porous plates. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 78, 817-827.	2.8	29
48	Transient natural convection heat transfer in nanoliquid-saturated porous oblique cavity using thermal non-equilibrium model. <i>International Journal of Mechanical Sciences</i> , 2016, 114, 233-245.	6.7	29
49	Effects of Nonuniform Heating and Wall Conduction on Natural Convection in a Square Porous Cavity Using LTNE Model. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	29
50	Entropy Generation Analysis and Natural Convection in a Nanofluid-Filled Square Cavity with a Concentric Solid Insert and Different Temperature Distributions. <i>Entropy</i> , 2018, 20, 336.	2.2	29
51	Conjugate heat transfer of $\text{Al}_2\text{O}_3$ -water nanofluid in a square cavity heated by a triangular thick wall using Buongiorno's two-phase model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 161-176.	3.6	29
52	Entropy Generation and Mixed Convection Flow Inside a Wavy-Walled Enclosure Containing a Rotating Solid Cylinder and a Heat Source. <i>Entropy</i> , 2020, 22, 606.	2.2	29
53	Numerical Investigation of the Effect of Magnetic Field on Natural Convection in a Curved-Shape Enclosure. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	1.1	28
54	Transient free convective heat transfer in nanoliquid-saturated porous square cavity with a concentric solid insert and sinusoidal boundary condition. <i>Superlattices and Microstructures</i> , 2016, 100, 1006-1028.	3.1	28

#	ARTICLE	IF	CITATIONS
55	Effect of spatial side-wall temperature variation on transient natural convection of a nanofluid in a trapezoidal cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 1365-1384.	2.8	28
56	Low Prandtl number chaotic convection in porous media with uniform internal heat generation. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 629-636.	5.6	27
57	Fully Developed Free Convection Heat and Mass Transfer of a Micropolar Fluid Between Porous Vertical Plates. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009, 55, 270-288.	2.1	26
58	Effects of Thermocapillarity and Thermal Radiation on Flow and Heat Transfer in a Thin Liquid Film on an Unsteady Stretching Sheet. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-14.	1.1	26
59	Unsteady flow and entropy analysis of nanofluids inside cubic porous container holding inserted body and wavy bottom wall. <i>International Journal of Mechanical Sciences</i> , 2021, 193, 106161.	6.7	25
60	Solutions to Uncertain Volterra Integral Equations by Fitted Reproducing Kernel Hilbert Space Method. <i>Journal of Function Spaces</i> , 2016, 2016, 1-11.	0.9	24
61	Non-uniqueness solutions for the thin Carreau film flow and heat transfer over an unsteady stretching sheet. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104776.	5.6	22
62	Entropy production and mixed convection within trapezoidal cavity having nanofluids and localised solid cylinder. <i>Scientific Reports</i> , 2021, 11, 14700.	3.3	22
63	Analytical treatment of two-dimensional fractional Helmholtz equations. <i>Journal of King Saud University - Science</i> , 2019, 31, 659-666.	3.5	21
64	Magnetohydrodynamics energy transport inside a double lid-driven wavy-walled chamber: Impacts of inner solid cylinder and two-phase nanofluid approach. <i>International Journal of Mechanical Sciences</i> , 2020, 184, 105846.	6.7	21
65	Effects of a magnetic field on chaotic convection in fluid layer heated from below. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 481-486.	5.6	20
66	Solving directly third-order ODEs using operational matrices of Bernstein polynomials method with applications to fluid flow equations. <i>Journal of King Saud University - Science</i> , 2019, 31, 822-826.	3.5	20
67	The effect of a uniform vertical magnetic field on the onset of oscillatory marangoni convection in a horizontal layer of conducting fluid. <i>Acta Mechanica</i> , 1999, 132, 129-146.	2.1	19
68	Effects of a magnetic field on chaos for low Prandtl number convection in porous media. <i>Nonlinear Dynamics</i> , 2010, 62, 905-917.	5.2	19
69	Modified Fractional Reduced Differential Transform Method for the Solution of Multiterm Time-Fractional Diffusion Equations. <i>Advances in Mathematical Physics</i> , 2019, 2019, 1-14.	0.8	19
70	On the rational second kind Chebyshev pseudospectral method for the solution of the Thomasâ€™Fermi equation over an infinite interval. <i>Journal of Computational and Applied Mathematics</i> , 2014, 257, 79-85.	2.0	18
71	Buoyant Marangoni convection of nanofluids in square cavity. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 1169-1184.	3.6	18
72	Fractional Multi-Step Differential Transformed Method for Approximating a Fractional Stochastic SIS Epidemic Model with Imperfect Vaccination. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 973.	2.6	18

#	ARTICLE	IF	CITATIONS
73	Impact of finite wavy wall thickness on entropy generation and natural convection of nanofluid in cavity partially filled with non-Darcy porous layer. <i>Neural Computing and Applications</i> , 2020, 32, 13679-13699.	5.6	18
74	Radiative MHD Sutterby Nanofluid Flow Past a Moving Sheet: Scaling Group Analysis. <i>Mathematics</i> , 2020, 8, 1430.	2.2	16
75	Impact of heat source on combined convection flow inside wavy-walled cavity filled with nanofluids via heatline concept. <i>Applied Mathematics and Computation</i> , 2021, 393, 125754.	2.2	16
76	Transient nanofluid flow and energy dissipation from wavy surface using magnetic field and two rotating cylinders. <i>Computers and Mathematics With Applications</i> , 2021, 97, 329-343.	2.7	16
77	Small and Moderate Prandtl Number Chaotic Convection in Porous Media in the Presence of Feedback Control. <i>Transport in Porous Media</i> , 2010, 84, 421-440.	2.6	15
78	Dynamical System Analysis of Thermal Convection in a Horizontal Layer of Nanofluids Heated from Below. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-13.	1.1	15
79	Two new efficient sixth order iterative methods for solving nonlinear equations. <i>Journal of King Saud University - Science</i> , 2019, 31, 701-705.	3.5	15
80	Conjugate Natural Convection in a Porous Enclosure with Non-Uniform Heat Generation. <i>Transport in Porous Media</i> , 2012, 94, 759-774.	2.6	14
81	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	1.1	14
82	Residual Power Series Technique for Simulating Fractional Bagley-Torvik Problems Emerging in Applied Physics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5029.	2.5	14
83	Impacts of amplitude and heat source on natural convection of hybrid nanofluids into a wavy enclosure via heatline approach. <i>Waves in Random and Complex Media</i> , 2023, 33, 1060-1084.	2.7	14
84	Natural Convection in a Differentially Heated Square Enclosure with a Solid Polygon. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	2.1	13
85	Multistage Bernstein polynomials for the solutions of the Fractional Order Stiff Systems. <i>Journal of King Saud University - Science</i> , 2016, 28, 280-285.	3.5	13
86	Role of fluid-structure interaction in mixed convection from a circular cylinder in a square enclosure with double flexible oscillating fins. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105080.	6.7	13
87	Optimal fourth- and eighth-order of convergence derivative-free modifications of King's method. <i>Journal of King Saud University - Science</i> , 2019, 31, 1499-1504.	3.5	13
88	Optimal Homotopy Asymptotic Method for Solving Delay Differential Equations. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-11.	1.1	12
89	Flow and Heat Transfer in a Nanofluid Thin Film Over an Unsteady Stretching Sheet. <i>Sains Malaysiana</i> , 2018, 47, 1599-1605.	0.5	12
90	Nanofluid mixed convection inside wavy cavity with heat source: A non-homogeneous study. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102049.	5.7	12

#	ARTICLE	IF	CITATIONS
91	Analysis of IVPs and BVPs on Semi-Infinite Domains via Collocation Methods. Journal of Applied Mathematics, 2012, 2012, 1-21.	0.9	11
92	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
93	Effects of flexible fin on natural convection in enclosure partially-filled with porous medium. AEJ - Alexandria Engineering Journal, 2020, 59, 3515-3529.	6.4	11
94	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
95	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
96	Adaptation of residual power series method to solve Fredholm fuzzy integro-differential equations. AIP Conference Proceedings, 2019, , .	0.4	10
97	Triple Solutions of Carreau Thin Film Flow with Thermocapillarity and Injection on an Unsteady Stretching Sheet. Energies, 2020, 13, 3177.	3.1	10
98	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
99	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
100	New Optimal Newton-Householder Methods for Solving Nonlinear Equations and their Dynamics. Computers, Materials and Continua, 2020, 65, 69-85.	1.9	10
101	Entropy Analysis and Melting Heat Transfer in the Carreau Thin Hybrid Nanofluid Film Flow. Mathematics, 2021, 9, 3092.	2.2	10
102	Effect of Conduction in Bottom Wall on Bénard Convection in a Porous Enclosure with Localized Heating and Lateral Cooling. Transport in Porous Media, 2013, 96, 305-318.	2.6	9
103	Homotopy Decomposition Method for Solving Higher-Order Time- Fractional Diffusion Equation via Modified Beta Derivative. Sains Malaysiana, 2018, 47, 2899-2905.	0.5	9
104	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
105	The onset of oscillatory Marangoni convection in a semi-infinitely deep layer of fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 1999, 50, 546.	1.4	8
106	Advanced Analytical Treatment of Fractional Logistic Equations Based on Residual Error Functions. International Journal of Differential Equations, 2019, 2019, 1-11.	0.8	8
107	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
108	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



#	ARTICLE	IF	CITATIONS
109	Conjugate Heat Transfer in Rayleigh-Bénard Convection in a Square Enclosure. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	7
110	Applications of fractional power series approach in solving fractional Volterra integro-differential equations. AIP Conference Proceedings, 2019, . .	0.4	7
111	Efficacy of Optimal Methods for Nonlinear Equations with Chemical Engineering Applications. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	7
112	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
113	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
114	Fractional Bernstein operational matrices for solving integro-differential equations involved by Caputo fractional derivative. Results in Applied Mathematics, 2022, 14, 100258.	1.3	7
115	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
116	Multistage Bernstein collocation method for solving strongly nonlinear damped systems. JVC/Journal of Vibration and Control, 2019, 25, 122-131.	2.6	6
117	Effective Method for Solving Different Types of Nonlinear Fractional Burgers's Equations. Mathematics, 2020, 8, 729.	2.2	6
118	Fractional Bernstein Series Solution of Fractional Diffusion Equations with Error Estimate. Axioms, 2021, 10, 6.	1.9	6
119	An Enhanced Adaptive Bernstein Collocation Method for Solving Systems of ODEs. Mathematics, 2021, 9, 425.	2.2	6
120	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
121	Dynamic Modelling of Interactions between Microglia and Endogenous Neural Stem Cells in the Brain during a Stroke. Mathematics, 2020, 8, 132.	2.2	6
122	Forced convection of turbulent flow into the wavy parallel channel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11183-11194.	3.6	6
123	Numerical Scheme for Solving Singular Two-Point Boundary Value Problems. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.9	5
124	Inhibition or enhancement of chaotic convection via inclined magnetic field. Applied Mathematical Modelling, 2014, 38, 2996-3002.	4.2	5
125	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
126	CFD Simulation of a 3D Solar Chimney Integrated with an Axial Turbine for Power Generation. Energies, 2021, 14, 5771.	3.1	5



#	ARTICLE	IF	CITATIONS
127	A New Approximation Method for Solving Fuzzy Heat Equations. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 7825-7832.	0.4	5
128	Effects of Magnetic Field and Nonlinear Temperature Profile on Marangoni Convection in Micropolar Fluid. <i>Differential Equations and Nonlinear Mechanics</i> , 2009, 2009, 1-11.	0.3	4
129	Local Stability of Period Two Cycles of Second Order Rational Difference Equation. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-11.	0.9	4
130	On a Five-Dimensional Chaotic System Arising from Double-Diffusive Convection in a Fluid Layer. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-10.	0.7	4
131	Numerical Analysis of Nanofluids in Differentially Heated Enclosure Undergoing Orthogonal Rotation. <i>Advances in Mathematical Physics</i> , 2014, 2014, 1-11.	0.8	4
132	Bernstein polynomials for solving nonlinear stiff system of ordinary differential equations. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
133	New Cubic B-Spline Approximation for Solving Linear Two-Point Boundary-Value Problems. <i>Mathematics</i> , 2021, 9, 1250.	2.2	4
134	Energy and Entropy Production of Nanofluid within an Annulus Partly Saturated by a Porous Region. <i>Entropy</i> , 2021, 23, 1237.	2.2	4
135	Flow Reversal of Fully Developed Mixed Convection in a Vertical Channel with Chemical Reaction. <i>International Journal of Chemical Engineering</i> , 2013, 2013, 1-4.	2.4	3
136	An Efficient Scheme for Time-Dependent Emden-Fowler Type Equations Based on Two-Dimensional Bernstein Polynomials. <i>Mathematics</i> , 2020, 8, 1473.	2.2	3
137	Buoyant Marangoni convection of nanofluids in right-angled trapezoidal cavity. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020, 78, 656-673.	2.1	3
138	Dynamical Simulation of Effective Stem Cell Transplantation for Modulation of Microglia Responses in Stroke Treatment. <i>Symmetry</i> , 2021, 13, 404.	2.2	3
139	Numerical and Theoretical Study of Performance and Mechanical Behavior of PEM-FC Using Innovative Channel Geometrical Configurations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5597.	2.5	3
140	Solving a Higher-Dimensional Time-Fractional Diffusion Equation via the Fractional Reduced Differential Transform Method. <i>Fractal and Fractional</i> , 2021, 5, 168.	3.3	3
141	A Reliable Approach for Solving Delay Fractional Differential Equations. <i>Fractal and Fractional</i> , 2022, 6, 124.	3.3	3
142	Transient Natural Convection in Porous Square Cavity Heated and Cooled on Adjacent Walls. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-10.	1.1	2
143	Pseudospectral methods based on nonclassical orthogonal polynomials for solving nonlinear variational problems. <i>International Journal of Computer Mathematics</i> , 2014, 91, 1552-1573.	1.8	2
144	Homotopy decomposition method for solving one-dimensional time-fractional diffusion equation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2

#	ARTICLE	IF	CITATIONS
145	Dynamic behavior and stabilization of brain cell reconstitution after stroke under the proliferation and differentiation processes for stem cells. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 6288-6304.	1.9	2
146	Residual Correction Procedure with Bernstein Polynomials for Solving Important Systems of Ordinary Differential Equations. <i>Computers, Materials and Continua</i> , 2020, 64, 63-80.	1.9	2
147	Analysis of fully developed flow and heat transfer in a vertical channel with prescribed wall heat fluxes by the homotopy analysis method. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 67, 805-819.	1.6	1
148	Multiple Solutions of Problems in Fluid Mechanics by Predictor Optimal Homotopy Asymptotic Method. <i>Advances in Mechanical Engineering</i> , 2014, 6, 372537.	1.6	1
149	Stability of Hyperbolic Equilibrium Solution of Second Order Nonlinear Rational Difference Equation. <i>Journal of Difference Equations</i> , 2015, 2015, 1-21.	0.1	1
150	Oberbeckâ€œBoussinesq free convection of water based nanoliquids in a vertical channel using Dirichlet, Neumann and Robin boundary conditions on temperature. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 2285-2297.	6.4	1
151	Analysis of zero and nonzero normal mass fluxes of a Newtonian nanofluid flow. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
152	Laplace transform on the recursive moments of copula-dependent aggregate discounted claims. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
153	Laplace transform on the recursive moments of aggregate discounted claims with Weibull interwaiting time. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
154	Thermal performance of a vertical double-passage channel separated by a flexible thin sheet. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106238.	5.6	1
155	On the Period-Two Cycles of $x_{n+1} = (\hat{I}_1 + \hat{I}_2 x_n + \hat{I}_3 x_n - k) / (A + Bx_n + Cx_n - k)$ . <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-10.	0.7	0
156	Flow reversal of fully developed double diffusive mixed convection in a vertical channel. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
157	Stability of Nonhyperbolic Equilibrium Solution of Second Order Nonlinear Rational Difference Equation. <i>Journal of Difference Equations</i> , 2015, 2015, 1-12.	0.1	0
158	Direct solution of second-order system of ODEs using Bernstein polynomials. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
159	Modification of Newton-HousehÃ¶lder Method for Determining Multiple Roots of Unknown Multiplicity of Nonlinear Equations. <i>Mathematics</i> , 2021, 9, 1020.	2.2	0
160	Bernstein Collocation Method for Solving MHD Jefferyâ€œHamel Blood Flow Problem with Error Estimations. <i>International Journal of Differential Equations</i> , 2022, 2022, 1-9.	0.8	0