

Pradeep G Siddheshwar

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6669714/pradeep-g-siddheshwar-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145
papers

1,865
citations

24
h-index

35
g-index

156
ext. papers

2,211
ext. citations

2.4
avg, IF

5.6
L-index

#	Paper	IF	Citations
145	Effects of radiation and heat source on MHD flow of a viscoelastic liquid and heat transfer over a stretching sheet. <i>International Journal of Non-Linear Mechanics</i> , 2005 , 40, 807-820	2.8	159
144	Heat transfer in a viscoelastic boundary layer flow over a stretching sheet with viscous dissipation and non-uniform heat source. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 960-966	4.9	117
143	Local thermal non-equilibrium effects arising from the injection of a hot fluid into a porous medium. <i>Journal of Fluid Mechanics</i> , 2008 , 594, 379-398	3.7	64
142	Effects of thermal buoyancy and variable thermal conductivity on the MHD flow and heat transfer in a power-law fluid past a vertical stretching sheet in the presence of a non-uniform heat source. <i>International Journal of Non-Linear Mechanics</i> , 2009 , 44, 1-12	2.8	49
141	Steady Finite-Amplitude Rayleigh-Benard Convection in Nanoliquids Using a Two-Phase Model: Theoretical Answer to the Phenomenon of Enhanced Heat Transfer. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	43
140	THERMAL INSTABILITY OF A NANOFUID SATURATING A ROTATING ANISOTROPIC POROUS MEDIUM. <i>Special Topics and Reviews in Porous Media</i> , 2011 , 2, 53-64	2.5	39
139	Unicellular unsteady Rayleigh-Benard convection in Newtonian liquids and Newtonian nanoliquids occupying enclosures : New findings. <i>International Journal of Mechanical Sciences</i> , 2017 , 131-132, 1061-1072	5.5	37
138	A weak nonlinear stability analysis of double diffusive convection with cross-diffusion in a fluid-saturated porous medium. <i>Heat and Mass Transfer</i> , 1998 , 33, 287-293	2.2	37
137	Convective instability of ferromagnetic fluids bounded by fluid-permeable, magnetic boundaries. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 149, 148-150	2.8	37
136	Chaotic convection in a ferrofluid. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 2436-2447	3.7	36
135	Nonlinear Convection in Porous Media: A Review. <i>Journal of Porous Media</i> , 2003 , 6, 1-32	2.9	36
134	Study of heat transport by stationary magneto-convection in a Newtonian liquid under temperature or gravity modulation using Ginzburg-Andau model. <i>International Journal of Non-Linear Mechanics</i> , 2012 , 47, 418-425	2.8	35
133	Effect of a non-uniform basic temperature gradient on Rayleigh-Benard convection in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1998 , 36, 1183-1196	5.7	30
132	Effect of Rotation on Thermal Convection in an Anisotropic Porous Medium with Temperature-dependent Viscosity. <i>Transport in Porous Media</i> , 2010 , 81, 73-87	3.1	28
131	Effect of time-periodic vertical oscillations of the Rayleigh-Benard system on nonlinear convection in viscoelastic liquids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 1412-1418	2.7	28
130	Magnetoconvection in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1998 , 36, 1173-1187	5.7	28
129	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	5.5	27

128	Weakly Nonlinear Stability Analysis of Temperature/Gravity-Modulated Stationary Rayleigh-Benard Convection in a Rotating Porous Medium. <i>Transport in Porous Media</i> , 2012 , 92, 633-647	3.1	27
127	Effect of temperature/gravity modulation on the onset of magneto-convection in weak electrically conducting fluids with internal angular momentum. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 192, 159-176	2.8	26
126	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,	1.8	25
125	Effect of trigonometric sine, square and triangular wave-type time-periodic gravity-aligned oscillations on Rayleigh-Benard convection in Newtonian liquids and Newtonian nanoliquids. <i>Meccanica</i> , 2019 , 54, 451-469	2.1	25
124	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	2.8	25
123	A Series Solution for the Ginzburg-Landau Equation with a Time-Periodic Coefficient. <i>Applied Mathematics</i> , 2010 , 01, 542-554	0.4	24
122	Effect of time-periodic boundary temperatures/body force on Rayleigh-Benard convection in a ferromagnetic fluid. <i>Acta Mechanica</i> , 2003 , 161, 131-150	2.1	24
121	Effect of temperature/gravity modulation on the onset of magneto-convection in electrically conducting fluids with internal angular momentum. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 219, 153-162	2.8	24
120	Amplitude Equation and Heat Transport for Rayleigh-Benard Convection in Newtonian Liquids with Nanoparticles. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 271-292	1.3	23
119	An analytical study of nonlinear double-diffusive convection in a porous medium under temperature/gravity modulation. <i>Transport in Porous Media</i> , 2012 , 91, 585-604	3.1	23
118	Magnetoconvection in fluids with suspended particles under 1g and \bar{g} . <i>Aerospace Science and Technology</i> , 2002 , 6, 105-114	4.9	23
117	Darcy-Benard convection of Newtonian liquids and Newtonian nanoliquids in cylindrical enclosures and cylindrical annuli. <i>Physics of Fluids</i> , 2019 , 31, 084102	4.4	21
116	Effects of Time-Periodic Thermal Boundary Conditions and Internal Heating on Heat Transport in a Porous Medium. <i>Transport in Porous Media</i> , 2013 , 97, 185-200	3.1	21
115	Synchronous and asynchronous boundary temperature modulations of Benard-Darcy convection. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 49, 84-89	2.8	21
114	Nonlinear Rayleigh-Benard Convection With Variable Heat Source. <i>Journal of Heat Transfer</i> , 2013 , 135,	1.8	21
113	An analytical study of linear and non-linear convection in Boussinesq-Stokes suspensions. <i>International Journal of Non-Linear Mechanics</i> , 2004 , 39, 165-172	2.8	21
112	Linear and nonlinear electroconvection under AC electric field. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 2883-2895	3.7	20
111	Effect of Thermal Modulation on the Onset of Convection in a Viscoelastic Fluid Saturated Porous Layer. <i>Transport in Porous Media</i> , 2006 , 62, 55-79	3.1	20

110	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 2629-2635	1.1	18
109	A Theoretical Study of Natural Convection of Water-Based Nanoliquids in Low-Porosity Enclosures Using Single-Phase Model. <i>Journal of Nanofluids</i> , 2018 , 7, 163-174	2.2	18
108	Linear and Weakly Nonlinear Stability Analyses of Two-Dimensional, Steady Brinkman-BBard Convection Using Local Thermal Non-equilibrium Model. <i>Transport in Porous Media</i> , 2017 , 120, 605-631	3.1	17
107	Rayleigh-BBard and Marangoni magnetoconvection in Newtonian liquid with thermorheological effects. <i>International Journal of Engineering Science</i> , 2011 , 49, 1078-1094	5.7	17
106	A comparative study of individual influences of suspended multiwalled carbon nanotubes and alumina nanoparticles on Rayleigh-BBard convection in water. <i>Physics of Fluids</i> , 2018 , 30, 084101	4.4	16
105	Heat Transport in an Anisotropic Porous Medium Saturated with Variable Viscosity Liquid Under G-jitter and Internal Heating Effects. <i>Transport in Porous Media</i> , 2013 , 99, 359-376	3.1	16
104	Linear and non-linear analyses of convection in a micropolar fluid occupying a porous medium. <i>International Journal of Non-Linear Mechanics</i> , 2003 , 38, 1561-1579	2.8	16
103	Unsteady convective diffusion with heterogeneous chemical reaction in a plane-Poiseuille flow of a micropolar fluid. <i>International Journal of Engineering Science</i> , 2000 , 38, 765-783	5.7	16
102	A Study of Unsteady, Unicellular Rayleigh-BBard Convection of Nanoliquids in Enclosures Using Additional Modes. <i>Journal of Nanofluids</i> , 2018 , 7, 791-800	2.2	16
101	Comparison of the effects of three types of time-periodic body force on linear and non-linear stability of convection in nanoliquids. <i>European Journal of Mechanics, B/Fluids</i> , 2019 , 77, 221-229	2.4	14
100	Regulation of heat transfer in Rayleigh-BBard convection in Newtonian liquids and Newtonian nanoliquids using gravity, boundary temperature and rotational modulations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 1579-1600	4.1	14
99	Optimal Subparametric Finite Elements for Elliptic Partial Differential Equations Using Higher-Order Curved Triangular Elements. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2014 , 15, 83-100	0.7	14
98	Linear and nonlinear stability analysis of binary viscoelastic fluid convection. <i>Applied Mathematical Modelling</i> , 2013 , 37, 8162-8178	4.5	14
97	Study of Heat Transport in a Porous Medium Under G-jitter and Internal Heating Effects. <i>Transport in Porous Media</i> , 2013 , 96, 21-37	3.1	14
96	Nonlinear Thermal Instability in a Rotating Viscous Fluid Layer Under Temperature/Gravity Modulation. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	14
95	Unsteady Finite Amplitude Convection of WaterCopper Nanoliquid in High-Porosity Enclosures. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	13
94	Suction-induced magnetohydrodynamics of a viscoelastic fluid over a stretching surface within a porous medium. <i>IMA Journal of Applied Mathematics</i> , 2014 , 79, 445-458	1	13
93	Effect of internal-heating on weakly non-linear stability analysis of Rayleigh-BBard convection under g-jitter. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 54, 35-42	2.8	12

92	Numerical solution of the momentum and heat transfer equations for a hydromagnetic flow due to a stretching sheet of a non-uniform property micropolar liquid. <i>Applied Mathematics and Computation</i> , 2011 , 217, 5895-5909	2.7	12
91	Surface tension driven convection in viscoelastic liquids with thermorheological effect. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 468-473	5.8	12
90	Suction-injection effects on the onset of Rayleigh-B�ard-Marangoni convection in a fluid with suspended particles. <i>Acta Mechanica</i> , 2001 , 152, 241-252	2.1	12
89	Study of Heat Transport in B�ard-Darcy Convection with g-Jitter and Thermo-Mechanical Anisotropy in Variable Viscosity Liquids. <i>Transport in Porous Media</i> , 2012 , 92, 277-288	3.1	11
88	A theoretical study of enhanced heat transfer in nanoliquids with volumetric heat source. <i>Journal of Applied Mathematics and Computing</i> , 2018 , 57, 703-728	1.8	10
87	On double-diffusive convection and cross diffusion effects on a horizontal wavy surface in a porous medium. <i>Boundary Value Problems</i> , 2012 , 2012, 88	2.1	10
86	Unsteady non-linear convection in a second-order fluid. <i>International Journal of Non-Linear Mechanics</i> , 2002 , 37, 321-330	2.8	10
85	A study of RayleighB�ard convection in hybrid nanoliquids with physically realistic boundaries. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2511-2530	2.3	10
84	K�pperslortz Instability in the Rotating BrinkmanB�ard Problem. <i>Transport in Porous Media</i> , 2020 , 132, 465-493	3.1	9
83	Natural convection of water-copper nanoliquids confined in low-porosity cylindrical annuli. <i>Chinese Journal of Physics</i> , 2020 , 68, 121-136	3.5	9
82	Effects of second diffusing component and cross diffusion on primary and secondary thermoconvective instabilities in couple stress liquids. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017 , 38, 1579-1600	3.2	8
81	Thermorheological effect on magnetoconvection in weak electrically conducting fluids under 1g or �. <i>Journal of Applied Mathematics</i> , 2004 , 62, 61-68		8
80	Effect of non-uniform basic temperature gradient on the onset of Marangoni convection in a fluid with suspended particles. <i>Aerospace Science and Technology</i> , 2000 , 4, 517-523	4.9	8
79	Analysis of the Laminar Newtonian Fluid Flow Through a Thin Fracture Modelled as a Fluid-Saturated Sparsely Packed Porous Medium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 253-259	1.4	7
78	Thermoconvective instability in a vertically oscillating horizontal ferrofluid layer with variable viscosity. <i>Heat Transfer</i> , 2020 , 49, 4543-4564	3.1	7
77	Effects of variable viscosity and temperature modulation on linear Rayleigh-B�ard convection in Newtonian dielectric liquid. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019 , 40, 1601-1614	3.2	7
76	Study of RayleighB�ard Convection of a Newtonian Nanoliquid in a High Porosity Medium Using Local Thermal Non-equilibrium Model. <i>International Journal of Applied and Computational Mathematics</i> , 2019 , 5, 1	1.3	7
75	MHD Flow Of WalterslLiquid B Over A Nonlinearly Stretching Sheet. <i>International Journal of Applied Mechanics and Engineering</i> , 2015 , 20, 589-603	0.6	7

74	A New Analytical Procedure for Solving the Non-Linear Differential Equation Arising in the Stretching Sheet Problem. <i>International Journal of Applied Mechanics and Engineering</i> , 2013 , 18, 955-964	0.6	7
73	A study on the onset of thermally modulated Darcy-Bénard convection. <i>Journal of Engineering Mathematics</i> , 2016 , 101, 175-188	1.2	7
72	Analytical Solution to the MHD Flow of Micropolar Fluid Over a Linear Stretching Sheet. <i>International Journal of Applied Mechanics and Engineering</i> , 2015 , 20, 397-406	0.6	6
71	Rayleigh-Benard convection in a dielectric liquid: time-periodic body force. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 2100083-2100084	0.2	6
70	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTIVE DIFFUSION:PART I, PLANE-POISEUILLE FLOW OF A POWER-LAW FLUID IN A CHANNEL. <i>Chemical Engineering Communications</i> , 2000 , 180, 187-207	2.2	6
69	Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. <i>Biorheology</i> , 1986 , 23, 349-58	1.7	6
68	Flow and heat transfer of an exponential stretching sheet in a viscoelastic liquid with Navier slip boundary condition. <i>Journal of Applied Fluid Mechanics</i> , 2015 , 8, 223-229	1.5	6
67	A Local Nonlinear Stability Analysis of Modulated Double Diffusive Stationary Convection in a Couple Stress Liquid. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 1255-1264	1.5	6
66	Unsteady natural convection in a liquid-saturated porous enclosure with local thermal non-equilibrium effect. <i>Meccanica</i> , 2020 , 55, 1763-1780	2.1	6
65	Steady finite-amplitude Rayleigh-Bénard convection of ethylene glycol-copper nanoliquid in a high-porosity medium made of 30% glass fiber-reinforced polycarbonate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 485-502	4.1	6
64	Finite-amplitude ferro-convection and electro-convection in a rotating fluid. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	5
63	Rayleigh-Benard convection in a viscoelastic fluid-filled high-porosity medium with nonuniform basic temperature gradient. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2001 , 25, 609-619	0.8	5
62	Nonlinear Analysis of Effect of Rigid Body Rotation on Ferroconvection. <i>Journal of Heat Transfer</i> , 2020 , 142,	1.8	5
61	A study of the natural convection of water-AA7075 nanoliquids in low-porosity cylindrical annuli using a local thermal non-equilibrium model. <i>Physics of Fluids</i> , 2021 , 33, 032018	4.4	5
60	Flow and Heat Transfer to a Newtonian Fluid Over Non-linear Extrusion Stretching Sheet. <i>International Journal of Applied and Computational Mathematics</i> , 2018 , 4, 1	1.3	5
59	Convection in a horizontal layer of water with three diffusing components. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	4
58	Lorenz and Ginzburg-Landau equations for thermal convection in a high-porosity medium with heat source. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 1547-1555	4.4	4
57	Analytical Study of Turbulent Pollutant Dispersion near a Low Hill. <i>Journal of Engineering Mechanics - ASCE</i> , 2006 , 132, 99-106	2.4	4

56	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTIVE DIFFUSION: PART II HAGEN POISEUILLE FLOW OF A POWER LAW FLUID IN A TUBE. <i>Chemical Engineering Communications</i> , 2000 , 180, 209-229	2.2	4
55	Linear and nonlinear stability of thermal convection in Newtonian dielectric liquid with field-dependent viscosity. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	4
54	On Dispersion of a Reactive Solute in a Pulsatile Flow of a Two-Fluid Model. <i>Journal of Applied Fluid Mechanics</i> , 2019 , 12, 987-1000	1.5	4
53	Study of rotating Bénard-Brinkman convection of Newtonian liquids and nanoliquids in enclosures. <i>International Journal of Mechanical Sciences</i> , 2020 , 188, 105931	5.5	4
52	A study of Darcy-Bénard regular and chaotic convection using a new local thermal non-equilibrium formulation. <i>Physics of Fluids</i> , 2021 , 33, 044107	4.4	4
51	Study of Brinkman-Bénard nanofluid convection with idealistic and realistic boundary conditions and by considering the effects of shape of nanoparticles. <i>Heat Transfer</i> , 2021 , 50, 3948-3976	3.1	4
50	Natural Convection of Newtonian Liquids and Nanoliquids Confined in Low-Porosity Enclosures. <i>Trends in Mathematics</i> , 2019 , 255-263	0.3	3
49	A Study of Rayleigh-Bénard-Taylor Convection in Very-Shallow, Shallow, Square and Tall Enclosures. <i>International Journal of Applied and Computational Mathematics</i> , 2020 , 6, 1	1.3	3
48	Brinkman-Bénard convection in water with a dilute concentration of single-walled carbon nanotubes. <i>European Journal of Mechanics, B/Fluids</i> , 2020 , 83, 175-189	2.4	3
47	Körpersortz instability in rotating Rayleigh-Bénard convection bounded by rigid/free isothermal boundaries. <i>Applied Mathematics and Computation</i> , 2020 , 385, 125406	2.7	3
46	The effect of boundary conditions on the onset of chaos in Rayleigh-Bénard convection using energy-conserving Lorenz models. <i>Applied Mathematical Modelling</i> , 2020 , 88, 349-366	4.5	3
45	Shooting Method for Good Estimates of the Eigenvalue in the Rayleigh-Bénard-Marangoni Convection Problem With General Boundary Conditions on Velocity and Temperature 2009 ,		3
44	Closed form solution for unsteady convective diffusion in a fluid-saturated sparsely packed porous medium. <i>International Communications in Heat and Mass Transfer</i> , 1987 , 14, 137-145	5.8	3
43	Forced Convective Flow of a Nanoliquid due to a Stretching Cylinder with Free Stream. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 463-474	1.5	3
42	A study on entropy generation and heat transfer in a magnetohydrodynamic flow of a couple-stress fluid through a thermal nonequilibrium vertical porous channel. <i>Heat Transfer</i> , 2021 , 50, 6377-6400	3.1	3
41	Effects of Suction and Freestream Velocity on a Hydromagnetic Stagnation-Point Flow and Heat Transport in a Newtonian Fluid Toward a Stretching Sheet. <i>Journal of Heat Transfer</i> , 2016 , 138,	1.8	3
40	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS 2002 ,		2
39	Transforming Analytically Intractable Dynamical Systems with a Control Parameter into a Tractable Ginzburg-Landau Equation: Few Illustrations 2020 , 35, 35-44		2

38	Rayleigh-B̄ard convection in a newtonian liquid bounded by rigid isothermal boundaries. <i>Applied Mathematics and Computation</i> , 2020 , 371, 124942	2.7	2
37	Convective heat and mass transports and chaos in two-component systems: comparison of results of physically realistic boundary conditions with those of artificial ones. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	2
36	Linear and nonlinear triple diffusive convection in the presence of sinusoidal/non-sinusoidal gravity modulation: A comparative study. <i>Mechanics Research Communications</i> , 2021 , 113, 103694	2.2	2
35	Steady Finite-Amplitude Rayleigh-B̄ard-Taylor Convection of Newtonian Nanoliquid in a High-Porosity Medium. <i>Trends in Mathematics</i> , 2019 , 79-86	0.3	1
34	Existence of Meromorphic Solution of Riccati-Abel Differential Equation. <i>Trends in Mathematics</i> , 2019 , 21-28	0.3	1
33	Primary and secondary instabilities in Rayleigh-B̄ard convection of water-copper nanoliquid. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 90, 105392	3.7	1
32	Meromorphic solutions of nonlinear ordinary differential equations. <i>Tbilisi Mathematical Journal</i> , 2019 , 12,	0.9	1
31	Flow and Heat Transfer in a Newtonian Nanoliquid due to a Curved Stretching Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 833-842	1.4	1
30	Finite Element Solution of DarcyBrinkman Equation for Irregular Cross-Section Flow Channel Using Curved Triangular Elements. <i>Procedia Engineering</i> , 2015 , 127, 301-308		1
29	Energy Stability of Benard-Darcy Two-Component Convection of Maxwell Fluid. <i>International Journal of Applied Mechanics and Engineering</i> , 2013 , 18, 125-135	0.6	1
28	Unsteady Convective Diffusion of Solute in a Micropolar Fluid Flow through a Cylindrical Tube. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1999 , 79, 821-833	1	1
27	Natural convection of a binary liquid in cylindrical porous annuli/rectangular porous enclosures with cross-diffusion effects under local thermal non-equilibrium state. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 184, 122294	4.9	1
26	Study of Steady, Two-Dimensional, Unicellular Convection in a Water-Copper Nanoliquid-Saturated Porous Enclosure Using Single-Phase Model. <i>Trends in Mathematics</i> , 2019 , 147-155	0.3	1
25	Solution of the Lorenz Model with Help from the Corresponding Ginzburg-Landau Model. <i>Trends in Mathematics</i> , 2019 , 47-55	0.3	1
24	Effect of gravity modulation on linear, weakly-nonlinear and local-nonlinear stability analyses of stationary double-diffusive convection in a dielectric liquid. <i>Meccanica</i> , 2020 , 55, 2003-2019	2.1	1
23	A New Series Solution Applicable to a Class of Boundary Layer Equations with Exponential Decay in Solution. <i>International Journal of Applied and Computational Mathematics</i> , 2020 , 6, 1	1.3	1
22	Effects of variable viscosity and rotation modulation on ferroconvection. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
21	Effect of Non-inertial Acceleration on BrinkmanB̄ard Convection in Water-Copper Nanoliquid-Saturated Porous Enclosures. <i>International Journal of Applied and Computational Mathematics</i> , 2021 , 7, 1	1.3	1

20	Oberbeck-Boussinesq 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	6.1	1
19	Meromorphic solution of a class of non-linear differential equations with sharing one value 2020 , 28, 415-430		1
18	Nonlinear analysis of the effect of viscoelasticity on ferroconvection. <i>Heat Transfer</i> , 2021 , 50, 3861-3878	3.1	1
17	Study of Rayleigh-Benard convection in a chemically reactive fluid using a generalized Lorenz model and the cubic-quintic Ginzburg-Landau equation. <i>Physics of Fluids</i> , 2022 , 34, 023607	4.4	1
16	Boundary Layer Flow and Thermal Analysis of a Cu-Nanoliquid Past a Stretching Cylinder. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 2559-2572	1.3	0
15	Rayleigh-Benard Convection With Second-Sound in a Viscoelastic Fluid-Filled High-Porosity Medium 2003 , 2509		0
14	Study of Rayleigh-Benard Convection of a Newtonian Nanoliquid in a Porous Medium Using General Boundary Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 121-134	0.4	0
13	Rayleigh-Benard and Benard-Marangoni magnetoconvection in variable viscosity finitely conducting liquids. <i>Heat Transfer</i> , 2021 , 50, 5674-5696	3.1	0
12	Individual effects of sinusoidal and non-sinusoidal gravity modulation on Rayleigh-Benard convection in a ferromagnetic liquid and in a nanoliquid with couple stress. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 1415	2.3	0
11	Effects of Variable Viscosity and Internal Heat Generation on Rayleigh-Benard Convection in Newtonian Dielectric Liquid. <i>International Journal of Applied and Computational Mathematics</i> , 2021 , 7, 1	1.3	0
10	Linear and Global Stability Analyses on the Influences of Thermal Non-Equilibrium and Non-uniform Gravity Field on Darcy-Brinkman-Benard Convection. <i>International Journal of Applied and Computational Mathematics</i> , 2021 , 7, 1	1.3	0
9	Optimal sub-parametric finite element approach for a Darcy-Brinkman fluid flow problem through a circular channel using curved triangular elements. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 310, 012129	0.4	
8	An Analytical Study of Weakly Nonlinear Dynamics of a Walters-Liquid B around a Flexible Sheet Undergoing Super Linear Stretching. <i>ISRN Applied Mathematics</i> , 2012 , 2012, 1-13		
7	Study of Natural Convection with Local Thermal Non Equilibrium Effects in Nanoliquid-Saturated Low Porosity Enclosures. <i>International Journal of Applied and Computational Mathematics</i> , 2022 , 8, 1	1.3	
6	Weakly nonlinear stability analysis of salt-finger convection in a longitudinally infinite cavity. <i>Physics of Fluids</i> , 2022 , 34, 011908	4.4	
5	Nevanlinna Theory for Existence of Meromorphic Solution to Stuart-Landau Equation. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 373-379	0.4	
4	On the differential transform method of solving boundary eigenvalue problems: An illustration. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021 , 101, e202000114	1	
3	Reduction of a Tri-Modal Lorenz Model of Ferrofluid Convection to a Cubic-Quintic Ginzburg-Landau Equation Using the Center Manifold Theorem. <i>Differential Equations and Dynamical Systems</i> , 1	0.8	

2	Effect of rotation on Brinkman-BBard convection of a Newtonian nanoliquid using local thermal non-equilibrium model. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 100994	3.6
1	Linear and non-linear stability analyses of Rayleigh-BBard convection in water-copper and water-alloy nanoliquids. <i>International Journal of Ambient Energy</i> , 1-17	2