Pradeep G Siddheshwar

List of Publications by Year
in descending order

152 papers	2,689 citations	201674 27 h-index	265206 42 g-index
156 all docs	156 docs citations	156 times ranked	744 citing authors

#	Article	IF	Citations
1	Effects of radiation and heat source on MHD flow of a viscoelastic liquid and heat transfer over a stretching sheet. International Journal of Non-Linear Mechanics, 2005, 40, 807-820.	2.6	211
2	Heat transfer in a viscoelastic boundary layer flow over a stretching sheet with viscous dissipation and non-uniform heat source. International Journal of Heat and Mass Transfer, 2007, 50, 960-966.	4.8	145
3	Local thermal non-equilibrium effects arising from the injection of a hot fluid into a porous medium. Journal of Fluid Mechanics, 2008, 594, 379-398.	3.4	82
4	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. International Journal of Non-Linear Mechanics, 2009, 44, 1-12.	2.6	61
5	Steady Finite-Amplitude Rayleighâ€"BÃ©nard Convection in Nanoliquids Using a Two-Phase Model: Theoretical Answer to the Phenomenon of Enhanced Heat Transfer. Journal of Heat Transfer, 2017, 139, .	2.1	55
6	Study of heat transport by stationary magneto-convection in a Newtonian liquid under temperature or gravity modulation using Ginzburgâ€"Landau model. International Journal of Non-Linear Mechanics, 2012, 47, 418-425.	2.6	52
7	THERMAL INSTABILITY OF A NANOFLUID SATURATING A ROTATING ANISOTROPIC POROUS MEDIUM. Special Topics and Reviews in Porous Media, 2011, 2, 53-64.	1.1	51
8	Unicellular unsteady Rayleighâ€"BÃ©nard convection in Newtonian liquids and Newtonian nanoliquids occupying enclosures : New findings. International Journal of Mechanical Sciences, 2017, 131-132, 1061-1072.	6.7	50
9	Chaotic convection in a ferrofluid. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2436-2447.	3.3	49
10	Effect of a non-uniform basic temperature gradient on Rayleighâ€"Benard convection in a micropolar fluid. International Journal of Engineering Science, 1998, 36, 1183-1196.	5.0	46
11	A weak nonlinear stability analysis of double diffusive convection with cross-diffusion in a fluid-saturated porous medium. Heat and Mass Transfer, 1998, 33, 287-293.	2.1	45
12	Convective instability of ferromagnetic fluids bounded by fluid-permeable, magnetic boundaries. Journal of Magnetism and Magnetic Materials, 1995, 149, 148-150.	2.3	44
13	Effect of temperature/gravity modulation on the onset of magneto-convection in electrically conducting fluids with internal angular momentum. Journal of Magnetism and Magnetic Materials, 2000, 219, 153-162.	2.3	39
14	Effect of time-periodic vertical oscillations of the Rayleighâ€"BÃ©nard system on nonlinear convection in viscoelastic liquids. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1412-1418.	2.4	39
15	Magnetoconvection in a micropolar fluid. International Journal of Engineering Science, 1998, 36, 1173-1181.	5.0	38
16	Nonlinear Convection in Porous Media: A Review. Journal of Porous Media, 2003, 6, 1-32.	1.9	38
17	An analytical study of nonlinear double-diffusive convection in a porous medium under temperature/gravity modulation. Transport in Porous Media, 2012, 91, 585-604.	2.6	36
18	Weakly Nonlinear Stability Analysis of Temperature/Gravity-Modulated Stationary Rayleighâ€"BÃ©nard Convection in a Rotating Porous Medium. Transport in Porous Media, 2012, 92, 633-647.	2.6	36

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19	Amplitude Equation and Heat Transport for Rayleighâ€“BÃ©nard Convection in Newtonian Liquids with Nanoparticles. International Journal of Applied and Computational Mathematics, 2017, 3, 271-292.	1.6	36
20	Effect of temperature/gravity modulation on the onset of magneto-convection in weak electrically conducting fluids with internal angular momentum. Journal of Magnetism and Magnetic Materials, 1999, 192, 159-176.	2.3	35
21	Magnetoconvection in fluids with suspended particles under 1g and Î¼g. Aerospace Science and Technology, 2002, 6, 105-114.	4.8	35
22	Effect of trigonometric sine, square and triangular wave-type time-periodic gravity-aligned oscillations on Rayleighâ€“BÃ©nard convection in Newtonian liquids and Newtonian nanoliquids. Meccanica, 2019, 54, 451-469.	2.0	35
23	Effect of time-periodic boundary temperatures/body force on Rayleighâ€“Benard convection in a ferromagnetic fluid. Acta Mechanica, 2003, 161, 131-150.	2.1	34
24	Darcy-BÃ©nard convection of Newtonian liquids and Newtonian nanoliquids in cylindrical enclosures and cylindrical annuli. Physics of Fluids, 2019, 31, .	4.0	33
25	Effect of Rotation on Thermal Convection in an Anisotropic Porous Medium with Temperature-dependent Viscosity. Transport in Porous Media, 2010, 81, 73-87.	2.6	31
26	A Series Solution for the Ginzburg-Landau Equation with a Time-Periodic Coefficient. Applied Mathematics, 2010, 01, 542-554.	0.4	31
27	Nonlinear Rayleighâ€“BÃ©nard Convection With Variable Heat Source. Journal of Heat Transfer, 2013, 135, .	2.1	30
28	An analytical study of linear and non-linear convection in Boussinesqâ€“Stokes suspensions. International Journal of Non-Linear Mechanics, 2004, 39, 165-172.	2.6	29
29	Rayleighâ€“BÃ©nard and Marangoni magnetoconvection in Newtonian liquid with thermorheological effects. International Journal of Engineering Science, 2011, 49, 1078-1094.	5.0	29
30	Suction-induced magnetohydrodynamics of a viscoelastic fluid over a stretching surface within a porous medium. IMA Journal of Applied Mathematics, 2014, 79, 445-458.	1.6	29
31	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
32	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
33	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
34	Linear and Weakly Nonlinear Stability Analyses of Two-Dimensional, Steady Brinkmanâ€“BÃ©nard Convection Using Local Thermal Non-equilibrium Model. Transport in Porous Media, 2017, 120, 605-631.	2.6	28
35	A comparative study of individual influences of suspended multiwalled carbon nanotubes and alumina nanoparticles on Rayleigh-BÃ©nard convection in water. Physics of Fluids, 2018, 30, .	4.0	28
36	Synchronous and asynchronous boundary temperature modulations of BÃ©nardâ€“Darcy convection. International Journal of Non-Linear Mechanics, 2013, 49, 84-89.	2.6	27

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37	Nonlinear Thermal Instability in a Rotating Viscous Fluid Layer Under Temperature/Gravity Modulation. Journal of Heat Transfer, 2012, 134, .	2.1	26
38	Linear and nonlinear electroconvection under AC electric field. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2883-2895.	3.3	26
39	Regulation of heat transfer in Rayleighâ€“BÃ©nard convection in Newtonian liquids and Newtonian nanoliquids using gravity, boundary temperature and rotational modulations. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1579-1600.	3.6	25
40	Effects of Time-Periodic Thermal Boundary Conditions and Internal Heating on Heat Transport in a Porous Medium. Transport in Porous Media, 2013, 97, 185-200.	2.6	24
41	Study of Heat Transport in a Porous Medium Under G-jitter and Internal Heating Effects. Transport in Porous Media, 2013, 96, 21-37.	2.6	24
42	Heat Transport in an Anisotropic Porous Medium Saturated with Variable Viscosity Liquid Under G-jitter and Internal Heating Effects. Transport in Porous Media, 2013, 99, 359-376.	2.6	23
43	A Theoretical Study of Natural Convection of Water-Based Nanoliquids in Low-Porosity Enclosures Using Single-Phase Model. Journal of Nanofluids, 2018, 7, 163-174.	2.7	23
44	Effect of Thermal Modulation on the Onset of Convection in a Viscoelastic Fluid Saturated Porous Layer. Transport in Porous Media, 2006, 62, 55-79.	2.6	22
45	Unsteady convective diffusion with heterogeneous chemical reaction in a plane-Poiseuille flow of a micropolar fluid. International Journal of Engineering Science, 2000, 38, 765-783.	5.0	21
46	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS. International Journal of Modern Physics B, 2002, 16, 2629-2635.	2.0	21
47	Linear and non-linear analyses of convection in a micropolar fluid occupying a porous medium. International Journal of Non-Linear Mechanics, 2003, 38, 1561-1579.	2.6	21
48	Linear and nonlinear stability analysis of binary viscoelastic fluid convection. Applied Mathematical Modelling, 2013, 37, 8162-8178.	4.2	20
49	Surface tension driven convection in viscoelastic liquids with thermorheological effect. International Communications in Heat and Mass Transfer, 2011, 38, 468-473.	5.6	19
50	Effect of internal-heating on weakly non-linear stability analysis of Rayleighâ€“BÃ©nard convection under g-jitter. International Journal of Non-Linear Mechanics, 2013, 54, 35-42.	2.6	19
51	A Study of Unsteady, Unicellular Rayleigh-BÃ©nard Convection of Nanoliquids in Enclosures Using Additional Modes. Journal of Nanofluids, 2018, 7, 791-800.	2.7	19
52	Suction-injection effects on the onset of Rayleigh-Bï¿½nard-Marangoni convection in a fluid with suspended particles. Acta Mechanica, 2001, 152, 241-252.	2.1	18
53	Optimal Subparametric Finite Elements for Elliptic Partial Differential Equations Using Higher-Order Curved Triangular Elements. International Journal for Computational Methods in Engineering Science and Mechanics, 2014, 15, 83-100.	2.1	18
54	Comparison of the effects of three types of time-periodic body force on linear and non-linear stability of convection in nanoliquids. European Journal of Mechanics, B/Fluids, 2019, 77, 221-229.	2.5	18

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55	Unsteady Finite Amplitude Convection of Waterâ€“Copper Nanoliquid in High-Porosity Enclosures. Journal of Heat Transfer, 2019, 141, .	2.1	18
56	A study of Rayleighâ€“BÃ©nard convection in hybrid nanoliquids with physically realistic boundaries. European Physical Journal: Special Topics, 2019, 228, 2511-2530.	2.6	17
57	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. Applied Mathematics and Computation, 2011, 217, 5895-5909.	2.2	16
58	Unsteady non-linear convection in a second-order fluid. International Journal of Non-Linear Mechanics, 2002, 37, 321-330.	2.6	15
59	Study of rotating BÃ©nard-Brinkman convection of Newtonian liquids and nanoliquids in enclosures. International Journal of Mechanical Sciences, 2020, 188, 105931.	6.7	14
60	Brinkmanâ€“BÃ©nard convection in water with a dilute concentration of single-walled carbon nanotubes. European Journal of Mechanics, B/Fluids, 2020, 83, 175-189.	2.5	14
61	KÃ¼ppersâ€“Lortz Instability in the Rotating Brinkmanâ€“BÃ©nard Problem. Transport in Porous Media, 2020, 132, 465-493.	2.6	14
62	A New Analytical Procedure for Solving the Non-Linear Differential Equation Arising in the Stretching Sheet Problem. International Journal of Applied Mechanics and Engineering, 2013, 18, 955-964.	0.7	13
63	A theoretical study of enhanced heat transfer in nanoliquids with volumetric heat source. Journal of Applied Mathematics and Computing, 2018, 57, 703-728.	2.5	13
64	Unsteady natural convection in a liquid-saturated porous enclosure with local thermal non-equilibrium effect. Meccanica, 2020, 55, 1763-1780.	2.0	13
65	Steady finite-amplitude Rayleighâ€“BÃ©nard convection of ethylene glycolâ€“copper nanoliquid in a high-porosity medium made of 30% glass fiber-reinforced polycarbonate. Journal of Thermal Analysis and Calorimetry, 2021, 143, 485-502.	3.6	13
66	A study of the natural convection of water-AA7075 nanoliquids in low-porosity cylindrical annuli using a local thermal non-equilibrium model. Physics of Fluids, 2021, 33, 032018.	4.0	13
67	Effect of non-uniform basic temperature gradient on the onset of Marangoni convection in a fluid with suspended particles. Aerospace Science and Technology, 2000, 4, 517-523.	4.8	12
68	Thermorheological effect on magnetoconvection in weak electrically conducting fluids under 1g or Î¼g. Pramana - Journal of Physics, 2004, 62, 61-68.	1.8	12
69	On double-diffusive convection and cross diffusion effects on a horizontal wavy surface in a porous medium. Boundary Value Problems, 2012, 2012, 88.	0.7	12
70	Study of Heat Transport in BÃ©nard-Darcy Convection with g-Jitter and Thermo-Mechanical Anisotropy in Variable Viscosity Liquids. Transport in Porous Media, 2012, 92, 277-288.	2.6	12
71	A study on the onset of thermally modulated Darcyâ€“BÃ©nard convection. Journal of Engineering Mathematics, 2016, 101, 175-188.	1.2	12
72	Effects of second diffusing component and cross diffusion on primary and secondary thermoconvective instabilities in couple stress liquids. Applied Mathematics and Mechanics (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	12

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73	KÃ¼ppersâ€"Lortz instability in rotating Rayleighâ€"BÃ©nard convection bounded by rigid/free isothermal boundaries. Applied Mathematics and Computation, 2020, 385, 125406.	2.2	12
74	The effect of boundary conditions on the onset of chaos in Rayleighâ€"BÃ©nard convection using energy-conserving Lorenz models. Applied Mathematical Modelling, 2020, 88, 349-366.	4.2	12
75	Rayleighâ€Benard convection in a dielectric liquid: timeâ€periodic body force. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2100083-2100084.	0.2	11
76	Effects of variable viscosity and temperature modulation on linear Rayleigh-BÃ©nard convection in Newtonian dielectric liquid. Applied Mathematics and Mechanics (English Edition), 2019, 40, 1601-1614.	3.6	11
77	Study of Rayleighâ€"BÃ©nard Convection of a Newtonian Nanoliquid in a High Porosity Medium Using Local Thermal Non-equilibrium Model. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	11
78	Rayleigh-BÃ©nard convection in a newtonian liquid bounded by rigid isothermal boundaries. Applied Mathematics and Computation, 2020, 371, 124942.	2.2	11
79	Natural convection of water-copper nanoliquids confined in low-porosity cylindrical annuli. Chinese Journal of Physics, 2020, 68, 121-136.	3.9	11
80	Thermoconvective instability in a vertically oscillating horizontal ferrofluid layer with variable viscosity. Heat Transfer, 2020, 49, 4543-4564.	3.0	11
81	Linear and nonlinear triple diffusive convection in the presence of sinusoidal/non-sinusoidal gravity modulation: A comparative study. Mechanics Research Communications, 2021, 113, 103694.	1.8	11
82	A Local Nonlinear Stability Analysis of Modulated Double Diffusive Stationary Convection in a Couple Stress Liquid. Journal of Applied Fluid Mechanics, 2016, 9, 1255-1264.	0.2	11
83	Rayleigh-Benard convection in a viscoelastic fluid-filled high-porosity medium with nonuniform basic temperature gradient. International Journal of Mathematics and Mathematical Sciences, 2001, 25, 609-619.	0.7	10
84	A study of Darcyâ€"BÃ©nard regular and chaotic convection using a new local thermal non-equilibrium formulation. Physics of Fluids, 2021, 33, .	4.0	10
85	Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. Biorheology, 1986, 23, 349-358.	0.4	9
86	MHD Flow Of Waltersâ€™ Liquid B Over A Nonlinearly Stretching Sheet. International Journal of Applied Mechanics and Engineering, 2015, 20, 589-603.	0.7	9
87	Analysis of the Laminar Newtonian Fluid Flow Through a Thin Fracture Modelled as a Fluid-Saturated Sparsely Packed Porous Medium. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 253-259.	1.5	9
88	Finite-amplitude ferro-convection and electro-convection in a rotating fluid. SN Applied Sciences, 2019, 1, 1.	2.9	9
89	Analytical Solution to the MHD Flow of Micropolar Fluid Over a Linear Stretching Sheet. International Journal of Applied Mechanics and Engineering, 2015, 20, 397-406.	0.7	8
90	Flow and Heat Transfer to a Newtonian Fluid Over Non-linear Extrusion Stretching Sheet. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	1.6	8

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91	A Study of Rayleigh-BÃ©nard-Taylor Convection in Very-Shallow, Shallow, Square and Tall Enclosures. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	8
92	Effects of variable viscosity and rotation modulation on ferroconvection. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	8
93	Closed form solution for unsteady convective diffusion in a fluid-saturated sparsely packed porous medium. International Communications in Heat and Mass Transfer, 1987, 14, 137-145.	5.6	7
94	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTIVE DIFFUSION:PART I, PLANE-POISEUELLE FLOW OF A POWER-LAW FLUID IN A CHANNEL. Chemical Engineering Communications, 2000, 180, 187-207.	2.6	7
95	A study on entropy generation and heat transfer in a magnetohydrodynamic flow of a coupleâ€stress fluid through a thermal nonequilibrium vertical porous channel. Heat Transfer, 2021, 50, 6377-6400.	3.0	7
96	Nonlinear Analysis of Effect of Rigid Body Rotation on Ferroconvection. Journal of Heat Transfer, 2020, 142, .	2.1	7
97	Flow and heat transfer of an exponential stretching sheet in a viscoelastic liquid with Navier slip boundary condition. Journal of Applied Fluid Mechanics, 2015, 8, 223-229.	0.2	7
98	Convection in a horizontal layer of water with three diffusing components. SN Applied Sciences, 2020, 2, 1.	2.9	6
99	Nonlinear analysis of the effect of viscoelasticity on ferroconvection. Heat Transfer, 2021, 50, 3861-3878.	3.0	6
100	Linear and nonlinear stability of thermal convection in Newtonian dielectric liquid with field-dependent viscosity. European Physical Journal Plus, 2020, 135, 1.	2.6	6
101	Natural convection of a binary liquid in cylindrical porous annuli/rectangular porous enclosures with cross-diffusion effects under local thermal non-equilibrium state. International Journal of Heat and Mass Transfer, 2022, 184, 122294.	4.8	6
102	Study of Rayleighâ€“BÃ©nard convection in a chemically reactive fluid using a generalized Lorenz model and the cubicâ€“quintic Ginzburgâ€“Landau equation. Physics of Fluids, 2022, 34, 023607.	4.0	6
103	Linear and weakly non-linear stability analyses of Rayleigh-BÃ©nard convection in a water-saturated porous medium with different shapes of copper nanoparticles. European Physical Journal Plus, 2022, 137, .	2.6	6
104	Analytical Study of Turbulent Pollutant Dispersion near a Low Hill. Journal of Engineering Mechanics - ASCE, 2006, 132, 99-106.	2.9	5
105	Shooting Method for Good Estimates of the Eigenvalue in the Rayleigh-BeÂ´nard-Marangoni Convection Problem With General Boundary Conditions on Velocity and Temperature. , 2009, , .		5
106	Lorenz and Ginzburg-Landau equations for thermal convection in a high-porosity medium with heat source. Ain Shams Engineering Journal, 2018, 9, 1547-1555.	6.1	5
107	Individual effects of sinusoidal and non-sinusoidal gravity modulation on Rayleigh-BÃ©nard convection in a ferromagnetic liquid and in a nanoliquid with couple stress. European Physical Journal: Special Topics, 2021, 230, 1415-1425.	2.6	5
108	Linear and Global Stability Analyses on the Influences of Thermal Non-Equilibrium and Non-uniform Gravity Field on Darcyâ€“Brinkmanâ€“BÃ©nard Convection. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	5

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109	Study of Brinkmanâ€"BÃ¨nard nanofluid convection with idealistic and realistic boundary conditions and by considering the effects of shape of nanoparticles. Heat Transfer, 2021, 50, 3948-3976.	3.0	5
110	Forced Convective Flow of a Nanoliquid due to a Stretching Cylinder with Free Stream. Journal of Applied Fluid Mechanics, 2016, 9, 463-474.	0.2	5
111	On Dispersion of a Reactive Solute in a Pulsatile Flow of a Two-Fluid Model. Journal of Applied Fluid Mechanics, 2019, 12, 987-1000.	0.2	5
112	Flow and Heat Transfer in a Newtonian Liquid with Temperature Dependent Properties over an Exponential Stretching Sheet. Journal of Applied Fluid Mechanics, 2014, 7, .	0.2	5
113	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTTVE DIFFUSION: PART II HAGEN POISEUILLE FLOW OF A POWER LAW FLUID IN A TUBE. Chemical Engineering Communications, 2000, 180, 209-229.	2.6	4
114	Effects of Suction and Freestream Velocity on a Hydromagnetic Stagnation-Point Flow and Heat Transport in a Newtonian Fluid Toward a Stretching Sheet. Journal of Heat Transfer, 2016, 138, .	2.1	4
115	Effect of rotation on Brinkman-BÃ©nard convection of a Newtonian nanoliquid using local thermal non-equilibrium model. Thermal Science and Engineering Progress, 2021, 25, 100994.	2.7	4
116	Weakly nonlinear stability analysis of salt-finger convection in a longitudinally infinite cavity. Physics of Fluids, 2022, 34, .	4.0	4
117	Unsteady Convective Diffusion of Solute in a Micropolar Fluid Flow through a Cylindrical Tube. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1999, 79, 821-833.	1.6	3
118	Flow and Heat Transfer in a Newtonian Nanoliquid due to a Curved Stretching Sheet. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 833-842.	1.5	3
119	Natural Convection of Newtonian Liquids and Nanoliquids Confined in Low-Porosity Enclosures. Trends in Mathematics, 2019, , 255-263.	0.1	3
120	Effect of gravity modulation on linear, weakly-nonlinear and local-nonlinear stability analyses of stationary double-diffusive convection in a dielectric liquid. Meccanica, 2020, 55, 2003-2019.	2.0	3
121	Primary and secondary instabilities in Rayleigh-BÃ©nard convection of water-copper nanoliquid. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105392.	3.3	3
122	On the differential transform method of solving boundary eigenvalue problems: An illustration. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000114.	1.6	3
123	Convective heat and mass transports and chaos in two-component systems: comparison of results of physically realistic boundary conditions with those of artificial ones. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3247-3266.	3.6	3
124	Effects of Variable Viscosity and Internal Heat Generation on Rayleighâ€"BÃ©nard Convection in Newtonian Dielectric Liquid. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	3
125	Finite Element Solution of Darcyâ€"Brinkman Equation for Irregular Cross-Section Flow Channel Using Curved Triangular Elements. Procedia Engineering, 2015, 127, 301-308.	1.2	2
126	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS. , 2002, , .		2

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127	Transforming Analytically Intractable Dynamical Systems with a Control Parameter into a Tractable Ginzburg-Landau Equation: Few Illustrations. The Nepali Mathematical Sciences Report, 2020, 35, 35-44.	0.1	2
128	Controlling Rayleighâ€"BÃ©nard Magnetoconvection in Newtonian Nanoliquids by Rotational, Gravitational and Temperature Modulations: A Comparative Study. Arabian Journal for Science and Engineering, 2022, 47, 7837-7857.	3.0	2
129	A Comparative Study of Thermoconvective Flows of a Newtonian Fluid Over Three Horizontal Undulated Surfaces in a Porous Medium. Journal of Heat Transfer, 2022, 144, .	2.1	2
130	Rayleigh-Benard Convection With Second-Sound in a Viscoelastic Fluid-Filled High-Porosity Medium. , 2003, , 2509.		1
131	Energy Stability of Benard-Darcy Two-Component Convection of Maxwell Fluid. International Journal of Applied Mechanics and Engineering, 2013, 18, 125-135.	0.7	1
132	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
133	Boundary Layer Flow and Thermal Analysis of a Cu-Nanoliquid Past a Stretching Cylinder. International Journal of Applied and Computational Mathematics, 2017, 3, 2559-2572.	1.6	1
134	Optimal sub-parametric finite element approach for a Darcy-Brinkman fluid flow problem through a circular channel using curved triangular elements. IOP Conference Series: Materials Science and Engineering, 2018, 310, 012129.	0.6	1
135	Meromorphic solutions of nonlinear ordinary differential equations. Tbilisi Mathematical Journal, 2019, 12, .	0.3	1
136	Steady Finite-Amplitude Rayleigh-BÃ©nard-Taylor Convection of Newtonian Nanoliquid in a High-Porosity Medium. Trends in Mathematics, 2019, , 79-86.	0.1	1
137	Existence of Meromorphic Solution of Riccati-Abel Differential Equation. Trends in Mathematics, 2019, , 21-28.	0.1	1
138	Meromorphic solution of a class of non-linear differential equations with sharing one value. Journal of Analysis, 2020, 28, 415-430.	0.6	1
139	A New Series Solution Applicable to a Class of Boundary Layer Equations with Exponential Decay in Solution. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	1
140	Rayleighâ€"BÃ©nard and BÃ©nardâ€"Marangoni magnetoconvection in variable viscosity finitely conducting liquids. Heat Transfer, 2021, 50, 5674-5696.	3.0	1
141	Effect of Non-inertial Acceleration on Brinkmanâ€"BÃ©nard Convection in Water-Copper Nanoliquid-Saturated Porous Enclosures. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	1
142	Study of Steady, Two-Dimensional, Unicellular Convection in a Water-Copper Nanoliquid-Saturated Porous Enclosure Using Single-Phase Model. Trends in Mathematics, 2019, , 147-155.	0.1	1
143	Solution of the Lorenz Model with Help from the Corresponding Ginzburg-Landau Model. Trends in Mathematics, 2019, , 47-55.	0.1	1
144	MHD Flow and Heat Transfer of an Exponential Stretching Sheet in a Boussinesq-Stokes Suspension. Journal of Applied Fluid Mechanics, 2014, 7, .	0.2	1

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145	Dispersion in a Non-Linear Non-Darcy Flow of a Variable Viscosity Liquid. Mapana Journal of Sciences, 2012, 11, 113-127.	0.1	1
146	Study of Rayleigh-BÃ©nard Convection of a Newtonian Nanoliquid in a Porous Medium Using General Boundary Conditions. Lecture Notes in Mechanical Engineering, 2021, , 121-134.	0.4	1
147	Linear and non-linear stability analyses of Rayleigh-BÃ©nard convection in waterâ€“copper and waterâ€“alloy nanoliquids. International Journal of Ambient Energy, 2022, 43, 7229-7236.	2.5	1
148	Effect of couple-stress on the ultrafiltration process. , 0, , .		0
149	An Analytical Study of Weakly Nonlinear Dynamics of a Waltersâ€™ Liquid B around a Flexible Sheet Undergoing Super Linear Stretching. ISRN Applied Mathematics, 2012, 2012, 1-13.	0.5	0
150	Mixed convection nanofluid flow in a vertical channel with boundary conditions of the third kind. AIP Conference Proceedings, 2015, , .	0.4	0
151	Reduction of a Tri-Modal Lorenz Model of Ferrofluid Convection to a Cubicâ€“Quintic Ginzburgâ€“Landau Equation Using the Center Manifold Theorem. Differential Equations and Dynamical Systems, 2024, 32, 151-169.	1.0	0
152	Study of Natural Convection with Local Thermal Non Equilibrium Effects in Nanoliquid-Saturated Low Porosity Enclosures. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	0