

Pradeep G Siddheshwar

List of Publications by Year in descending order

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152
papers

2,689
citations

201385

27
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264894

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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. <i>International Journal of Non-Linear Mechanics</i> , 2005, 40, 807-820.	1.4	211
2	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.	2.5	145
3	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.	1.4	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. <i>International Journal of Non-Linear Mechanics</i> , 2009, 44, 1-12.	1.4	61
5	Steady Finite-Amplitude Rayleigh-Bénard 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, .	1.2	55
6	Study of heat transport by stationary magneto-convection in a Newtonian liquid under temperature or gravity modulation using Ginzburg-Landau model. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 418-425.	1.4	52
7	THERMAL INSTABILITY OF A NANOFUID SATURATING A ROTATING ANISOTROPIC POROUS MEDIUM. <i>Special Topics and Reviews in Porous Media</i> , 2011, 2, 53-64.	0.6	51
8	Unicellular unsteady Rayleigh-Bénard convection in Newtonian liquids and Newtonian nanoliquids occupying enclosures : New findings. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 1061-1072.	3.6	50
9	Chaotic convection in a ferrofluid. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2436-2447.	1.7	49
10	Effect of a non-uniform basic temperature gradient on Rayleigh-Bénard convection in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1998, 36, 1183-1196.	2.7	46
11	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.	1.2	45
12	Convective instability of ferromagnetic fluids bounded by fluid-permeable, magnetic boundaries. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 149, 148-150.	1.0	44
13	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.	1.0	39
14	Effect of time-periodic vertical oscillations of the Rayleigh-Bénard system on nonlinear convection in viscoelastic liquids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 1412-1418.	1.0	39
15	Magnetoconvection in a micropolar fluid. <i>International Journal of Engineering Science</i> , 1998, 36, 1173-1181.	2.7	38
16	Nonlinear Convection in Porous Media: A Review. <i>Journal of Porous Media</i> , 2003, 6, 1-32.	1.0	38
17	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.	1.2	36
18	Weakly Nonlinear Stability Analysis of Temperature/Gravity-Modulated Stationary Rayleigh-Bénard Convection in a Rotating Porous Medium. <i>Transport in Porous Media</i> , 2012, 92, 633-647.	1.2	36

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19	Amplitude Equation and Heat Transport for Rayleigh-Bénard Convection in Newtonian Liquids with Nanoparticles. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 271-292.	0.9	36
20	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.	1.0	35
21	Magnetoconvection in fluids with suspended particles under 1g and 1/4g. <i>Aerospace Science and Technology</i> , 2002, 6, 105-114.	2.5	35
22	Effect of trigonometric sine, square and triangular wave-type time-periodic gravity-aligned oscillations on Rayleigh-Bénard convection in Newtonian liquids and Newtonian nanoliquids. <i>Meccanica</i> , 2019, 54, 451-469.	1.2	35
23	Effect of time-periodic boundary temperatures/body force on Rayleigh-Bénard convection in a ferromagnetic fluid. <i>Acta Mechanica</i> , 2003, 161, 131-150.	1.1	34
24	Darcy-Bénard convection of Newtonian liquids and Newtonian nanoliquids in cylindrical enclosures and cylindrical annuli. <i>Physics of Fluids</i> , 2019, 31, .	1.6	33
25	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.	1.2	31
26	A Series Solution for the Ginzburg-Landau Equation with a Time-Periodic Coefficient. <i>Applied Mathematics</i> , 2010, 01, 542-554.	0.1	31
27	Nonlinear Rayleigh-Bénard Convection With Variable Heat Source. <i>Journal of Heat Transfer</i> , 2013, 135, .	1.2	30
28	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.	1.4	29
29	Rayleigh-Bénard and Marangoni magnetoconvection in Newtonian liquid with thermorheological effects. <i>International Journal of Engineering Science</i> , 2011, 49, 1078-1094.	2.7	29
30	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.	0.8	29
31	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.	3.6	29
32	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, .	1.2	29
33	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.	1.4	28
34	Linear and Weakly Nonlinear Stability Analyses of Two-Dimensional, Steady Brinkman-Bénard Convection Using Local Thermal Non-equilibrium Model. <i>Transport in Porous Media</i> , 2017, 120, 605-631.	1.2	28
35	A comparative study of individual influences of suspended multiwalled carbon nanotubes and alumina nanoparticles on Rayleigh-Bénard convection in water. <i>Physics of Fluids</i> , 2018, 30, .	1.6	28
36	Synchronous and asynchronous boundary temperature modulations of Bénard-Darcy convection. <i>International Journal of Non-Linear Mechanics</i> , 2013, 49, 84-89.	1.4	27

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37	Nonlinear Thermal Instability in a Rotating Viscous Fluid Layer Under Temperature/Gravity Modulation. <i>Journal of Heat Transfer</i> , 2012, 134, .	1.2	26
38	Linear and nonlinear electroconvection under AC electric field. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 2883-2895.	1.7	26
39	Regulation of heat transfer in Rayleigh-Bénard 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.	2.0	25
40	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.	1.2	24
41	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.	1.2	24
42	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.	1.2	23
43	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.	1.4	23
44	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.	1.2	22
45	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.	2.7	21
46	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS. <i>International Journal of Modern Physics B</i> , 2002, 16, 2629-2635.	1.0	21
47	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.	1.4	21
48	Linear and nonlinear stability analysis of binary viscoelastic fluid convection. <i>Applied Mathematical Modelling</i> , 2013, 37, 8162-8178.	2.2	20
49	Surface tension driven convection in viscoelastic liquids with thermorheological effect. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 468-473.	2.9	19
50	Effect of internal-heating on weakly non-linear stability analysis of Rayleigh-Bénard convection under g-jitter. <i>International Journal of Non-Linear Mechanics</i> , 2013, 54, 35-42.	1.4	19
51	A Study of Unsteady, Unicellular Rayleigh-Bénard Convection of Nanoliquids in Enclosures Using Additional Modes. <i>Journal of Nanofluids</i> , 2018, 7, 791-800.	1.4	19
52	Suction-injection effects on the onset of Rayleigh-Bénard-Marangoni convection in a fluid with suspended particles. <i>Acta Mechanica</i> , 2001, 152, 241-252.	1.1	18
53	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.	1.4	18
54	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.	1.2	18

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55	Unsteady Finite Amplitude Convection of Water-Copper Nanoliquid in High-Porosity Enclosures. Journal of Heat Transfer, 2019, 141, .	1.2	18
56	A study of Rayleigh-Bénard convection in hybrid nanoliquids with physically realistic boundaries. European Physical Journal: Special Topics, 2019, 228, 2511-2530.	1.2	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.	1.4	16
58	Unsteady non-linear convection in a second-order fluid. International Journal of Non-Linear Mechanics, 2002, 37, 321-330.	1.4	15
59	Study of rotating Bénard-Brinkman convection of Newtonian liquids and nanoliquids in enclosures. International Journal of Mechanical Sciences, 2020, 188, 105931.	3.6	14
60	Brinkman-Bénard convection in water with a dilute concentration of single-walled carbon nanotubes. European Journal of Mechanics, B/Fluids, 2020, 83, 175-189.	1.2	14
61	Kárpátská Lortz Instability in the Rotating Brinkman-Bénard Problem. Transport in Porous Media, 2020, 132, 465-493.	1.2	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.	0.3	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.	1.2	13
64	Unsteady natural convection in a liquid-saturated porous enclosure with local thermal non-equilibrium effect. Meccanica, 2020, 55, 1763-1780.	1.2	13
65	Steady finite-amplitude Rayleigh-Bénard convection of ethylene glycol-copper nanoliquid in a high-porosity medium made of 30% glass fiber-reinforced polycarbonate. Journal of Thermal Analysis and Calorimetry, 2021, 143, 485-502.	2.0	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.	1.6	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.	2.5	12
68	Thermorheological effect on magnetoconvection in weak electrically conducting fluids under 1g or 1/4g. Pramana - Journal of Physics, 2004, 62, 61-68.	0.9	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.	0.3	12
70	Study of Heat Transport in Bénard-Darcy Convection with g-Jitter and Thermo-Mechanical Anisotropy in Variable Viscosity Liquids. Transport in Porous Media, 2012, 92, 277-288.	1.2	12
71	A study on the onset of thermally modulated Darcy-Bénard convection. Journal of Engineering Mathematics, 2016, 101, 175-188.	0.6	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 gBT /Overlack 10 Tf		

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73	K ^{1/4} ppersâ€“Lortz instability in rotating Rayleighâ€“BÃ©nard convection bounded by rigid/free isothermal boundaries. Applied Mathematics and Computation, 2020, 385, 125406.	1.4	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.	2.2	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.	1.9	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.	0.9	11
78	Rayleigh-BÃ©nard convection in a newtonian liquid bounded by rigid isothermal boundaries. Applied Mathematics and Computation, 2020, 371, 124942.	1.4	11
79	Natural convection of water-copper nanoliquids confined in low-porosity cylindrical annuli. Chinese Journal of Physics, 2020, 68, 121-136.	2.0	11
80	Thermoconvective instability in a vertically oscillating horizontal ferrofluid layer with variable viscosity. Heat Transfer, 2020, 49, 4543-4564.	1.7	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.	1.0	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.	0.4	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.	0.3	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, .	1.6	10
85	Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. Biorheology, 1986, 23, 349-358.	1.2	9
86	MHD Flow Of Waltersâ€“™ Liquid B Over A Nonlinearly Stretching Sheet. International Journal of Applied Mechanics and Engineering, 2015, 20, 589-603.	0.3	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.	0.7	9
88	Finite-amplitude ferro-convection and electro-convection in a rotating fluid. SN Applied Sciences, 2019, 1, 1.	1.5	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.	0.3	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.	0.9	8

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91	A Study of Rayleigh-Bénard-Taylor Convection in Very-Shallow, Shallow, Square and Tall Enclosures. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	8
92	Effects of variable viscosity and rotation modulation on ferroconvection. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	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.	2.9	7
94	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTIVE DIFFUSION:PART I, PLANE-POISEUILLE FLOW OF A POWER-LAW FLUID IN A CHANNEL. Chemical Engineering Communications, 2000, 180, 187-207.	1.5	7
95	A study on entropy generation and heat transfer in a magnetohydrodynamic flow of a couple stress fluid through a thermal nonequilibrium vertical porous channel. Heat Transfer, 2021, 50, 6377-6400.	1.7	7
96	Nonlinear Analysis of Effect of Rigid Body Rotation on Ferroconvection. Journal of Heat Transfer, 2020, 142, .	1.2	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.	0.4	7
98	Convection in a horizontal layer of water with three diffusing components. SN Applied Sciences, 2020, 2, 1.	1.5	6
99	Nonlinear analysis of the effect of viscoelasticity on ferroconvection. Heat Transfer, 2021, 50, 3861-3878.	1.7	6
100	Linear and nonlinear stability of thermal convection in Newtonian dielectric liquid with field-dependent viscosity. European Physical Journal Plus, 2020, 135, 1.	1.2	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.	2.5	6
102	Study of Rayleigh-Bénard convection in a chemically reactive fluid using a generalized Lorenz model and the cubic-quintic Ginzburg-Landau equation. Physics of Fluids, 2022, 34, 023607.	1.6	6
103	Linear and weakly non-linear stability analyses of Rayleigh-Bénard convection in a water-saturated porous medium with different shapes of copper nanoparticles. European Physical Journal Plus, 2022, 137, .	1.2	6
104	Analytical Study of Turbulent Pollutant Dispersion near a Low Hill. Journal of Engineering Mechanics - ASCE, 2006, 132, 99-106.	1.6	5
105	Shooting Method for Good Estimates of the Eigenvalue in the Rayleigh-Bénard-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.	3.5	5
107	Individual effects of sinusoidal and non-sinusoidal gravity modulation on Rayleigh-Bénard convection in a ferromagnetic liquid and in a nanoliquid with couple stress. European Physical Journal: Special Topics, 2021, 230, 1415-1425.	1.2	5
108	Linear and Global Stability Analyses on the Influences of Thermal Non-Equilibrium and Non-uniform Gravity Field on Darcy-Brinkman-Bénard Convection. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	5

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109	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.	1.7	5
110	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.	0.4	5
111	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.	0.4	5
112	Flow and Heat Transfer in a Newtonian Liquid with Temperature Dependent Properties over an Exponential Stretching Sheet. <i>Journal of Applied Fluid Mechanics</i> , 2014, 7, .	0.4	5
113	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.	1.5	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. <i>Journal of Heat Transfer</i> , 2016, 138, .	1.2	4
115	Effect of rotation on Brinkman-Bénard convection of a Newtonian nanoliquid using local thermal non-equilibrium model. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 100994.	1.3	4
116	Weakly nonlinear stability analysis of salt-finger convection in a longitudinally infinite cavity. <i>Physics of Fluids</i> , 2022, 34, .	1.6	4
117	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.	0.9	3
118	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.	0.7	3
119	Natural Convection of Newtonian Liquids and Nanoliquids Confined in Low-Porosity Enclosures. <i>Trends in Mathematics</i> , 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. <i>Meccanica</i> , 2020, 55, 2003-2019.	1.2	3
121	Primary and secondary instabilities in Rayleigh-Bénard convection of water-copper nanoliquid. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 90, 105392.	1.7	3
122	On the differential transform method of solving boundary eigenvalue problems: An illustration. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000114.	0.9	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3247-3266.	2.0	3
124	Effects of Variable Viscosity and Internal Heat Generation on Rayleigh-Bénard Convection in Newtonian Dielectric Liquid. <i>International Journal of Applied and Computational Mathematics</i> , 2021, 7, 1.	0.9	3
125	Finite Element Solution of Darcy-Brinkman Equation for Irregular Cross-Section Flow Channel Using Curved Triangular Elements. <i>Procedia Engineering</i> , 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 Rayleigh-Bénard Magnetoconvection in Newtonian Nanoliquids by Rotational, Gravitational and Temperature Modulations: A Comparative Study. Arabian Journal for Science and Engineering, 2022, 47, 7837-7857.	1.7	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, .	1.2	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.	0.3	1
132	Oberbeck-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.	3.4	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.	0.9	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.	0.3	1
135	Meromorphic solutions of nonlinear ordinary differential equations. Tbilisi Mathematical Journal, 2019, 12, .	0.3	1
136	Steady Finite-Amplitude Rayleigh-Bénard-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.	0.3	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.	0.9	1
140	Rayleigh-Bénard and Bénard-Marangoni magnetoconvection in variable viscosity finitely conducting liquids. Heat Transfer, 2021, 50, 5674-5696.	1.7	1
141	Effect of Non-inertial Acceleration on Brinkman-Bénard Convection in Water-Copper Nanoliquid-Saturated Porous Enclosures. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	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, .	0.4	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.	0.0	1
146	Study of Rayleigh-B�nard Convection of a Newtonian Nanoliquid in a Porous Medium Using General Boundary Conditions. Lecture Notes in Mechanical Engineering, 2021, , 121-134.	0.3	1
147	Linear and non-linear stability analyses of Rayleigh-B�nard convection in water�copper and water�alloy nanoliquids. International Journal of Ambient Energy, 2022, 43, 7229-7236.	1.4	1
148	Effect of couple-stress on the ultrafiltration process. , 0, , .		0
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