Pradeep G Siddheshwar

List of Publications by Year in Descending Order

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	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	1.3	
144	Weakly nonlinear stability analysis of salt-finger convection in a longitudinally infinite cavity. *Physics of Fluids*, **2022**, 34, 011908	4.4	
143	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	4.9	1
142	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	4.4	1
141	Study of Rayleigh-Bénard Convection of a Newtonian Nanoliquid in a Porous Medium Using General Boundary Conditions. *Lecture Notes in Mechanical Engineering*, **2021**, 121-134	0.4	0
140	Nevanlinna Theory for Existence of Meromorphic Solution to Stuart-Landau Equation. *Lecture Notes in Mechanical Engineering*, **2021**, 373-379	0.4	
139	Rayleigh-Bénard and Bénard-Marangoni magnetoconvection in variable viscosity finitely conducting liquids. *Heat Transfer*, **2021**, 50, 5674-5696	3.1	0
138	A study of Darcy-Bénard regular and chaotic convection using a new local thermal non-equilibrium formulation. *Physics of Fluids*, **2021**, 33, 044107	4.4	4
137	Linear and nonlinear triple diffusive convection in the presence of sinusoidal/non-sinusoidal gravity modulation: A comparative study. *Mechanics Research Communications*, **2021**, 113, 103694	2.2	2
136	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	3.1	3
135	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	2.3	0
134	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	1.3	1
133	Effects of Variable Viscosity and Internal Heat Generation on Rayleigh-Bénard Convection in Newtonian Dielectric Liquid. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1	1.3	0
132	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	1.3	0
131	On the differential transform method of solving boundary eigenvalue problems: An illustration. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2021**, 101, e202000114	1	
130	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	4.1	6
129	Nonlinear analysis of the effect of viscoelasticity on ferroconvection. *Heat Transfer*, **2021**, 50, 3861-3878	3.1	1

128	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	4.4	5
127	Effect of rotation on Brinkman-Bénard convection of a Newtonian nanoliquid using local thermal non-equilibrium model. *Thermal Science and Engineering Progress*, **2021**, 25, 100994	3.6	
126	Study of Brinkman–Bénard nanofluid convection with idealistic and realistic boundary conditions and by considering the effects of shape of nanoparticles. *Heat Transfer*, **2021**, 50, 3948-3976	3.1	4
125	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	1.3	3
124	Convection in a horizontal layer of water with three diffusing components. *SN Applied Sciences*, **2020**, 2, 1	1.8	4
123	Brinkman–Bénard convection in water with a dilute concentration of single-walled carbon nanotubes. *European Journal of Mechanics, B/Fluids*, **2020**, 83, 175-189	2.4	3
122	Küppers–Lortz instability in rotating Rayleigh–Bénard convection bounded by rigid/free isothermal boundaries. *Applied Mathematics and Computation*, **2020**, 385, 125406	2.7	3
121	Primary and secondary instabilities in Rayleigh-Bénard convection of water-copper nanoliquid. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 90, 105392	3.7	1
120	Küppers–Lortz Instability in the Rotating Brinkman–Bénard Problem. *Transport in Porous Media*, **2020**, 132, 465-493	3.1	9
119	Thermoconvective instability in a vertically oscillating horizontal ferrofluid layer with variable viscosity. *Heat Transfer*, **2020**, 49, 4543-4564	3.1	7
118	The effect of boundary conditions on the onset of chaos in Rayleigh–Bénard convection using energy-conserving Lorenz models. *Applied Mathematical Modelling*, **2020**, 88, 349-366	4.5	3
117	Regulation of heat transfer in Rayleigh–Bénard convection in Newtonian liquids and Newtonian nanoliquids using gravity, boundary temperature and rotational modulations. *Journal of Thermal Analysis and Calorimetry*, **2020**, 142, 1579-1600	4.1	14
116	Nonlinear Analysis of Effect of Rigid Body Rotation on Ferroconvection. *Journal of Heat Transfer*, **2020**, 142,	1.8	5
115	Linear and nonlinear stability of thermal convection in Newtonian dielectric liquid with field-dependent viscosity. *European Physical Journal Plus*, **2020**, 135, 1	3.1	4
114	Transforming Analytically Intractable Dynamical Systems with a Control Parameter into a Tractable Ginzburg-Landau Equation: Few Illustrations **2020**, 35, 35-44		2
113	Rayleigh-Bénard convection in a newtonian liquid bounded by rigid isothermal boundaries. *Applied Mathematics and Computation*, **2020**, 371, 124942	2.7	2
112	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	2.1	1
111	Natural convection of water-copper nanoliquids confined in low-porosity cylindrical annuli. *Chinese Journal of Physics*, **2020**, 68, 121-136	3.5	9

110	Study of rotating Bénard-Brinkman convection of Newtonian liquids and nanoliquids in enclosures. *International Journal of Mechanical Sciences*, **2020**, 188, 105931	5.5	4
109	Unsteady natural convection in a liquid-saturated porous enclosure with local thermal non-equilibrium effect. *Meccanica*, **2020**, 55, 1763-1780	2.1	6
108	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	1.3	1
107	Meromorphic solution of a class of non-linear differential equations with sharing one value **2020**, 28, 415-430		1
106	Steady Finite-Amplitude Rayleigh-Bénard-Taylor Convection of Newtonian Nanoliquid in a High-Porosity Medium. *Trends in Mathematics*, **2019**, 79-86	0.3	1
105	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	2.4	14
104	Unsteady Finite Amplitude Convection of Water–Copper Nanoliquid in High-Porosity Enclosures. *Journal of Heat Transfer*, **2019**, 141,	1.8	13
103	Effect of trigonometric sine, square and triangular wave-type time-periodic gravity-aligned oscillations on Rayleigh-Bénard convection in Newtonian liquids and Newtonian nanoliquids. *Meccanica*, **2019**, 54, 451-469	2.1	25
102	Existence of Meromorphic Solution of Riccati-Abel Differential Equation. *Trends in Mathematics*, **2019**, 21-28	0.3	1
101	Natural Convection of Newtonian Liquids and Nanoliquids Confined in Low-Porosity Enclosures. *Trends in Mathematics*, **2019**, 255-263	0.3	3
100	Darcy-Bénard convection of Newtonian liquids and Newtonian nanoliquids in cylindrical enclosures and cylindrical annuli. *Physics of Fluids*, **2019**, 31, 084102	4.4	21
99	Meromorphic solutions of nonlinear ordinary differential equations. *Tbilisi Mathematical Journal*, **2019**, 12,	0.9	1
98	Effects of variable viscosity and temperature modulation on linear Rayleigh-Bénard convection in Newtonian dielectric liquid. *Applied Mathematics and Mechanics (English Edition)*, **2019**, 40, 1601-1614	3.2	7
97	Finite-amplitude ferro-convection and electro-convection in a rotating fluid. *SN Applied Sciences*, **2019**, 1, 1	1.8	5
96	Study of Rayleigh-Bénard 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	1.3	7
95	On Dispersion of a Reactive Solute in a Pulsatile Flow of a Two-Fluid Model. *Journal of Applied Fluid Mechanics*, **2019**, 12, 987-1000	1.5	4
94	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	0.3	1
93	Solution of the Lorenz Model with Help from the Corresponding Ginzburg-Landau Model. *Trends in Mathematics*, **2019**, 47-55	0.3	1

92	A study of Rayleigh-Bénard convection in hybrid nanoliquids with physically realistic boundaries. *European Physical Journal: Special Topics*, **2019**, 228, 2511-2530	2.3	10
91	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	0.4	
90	Lorenz and Ginzburg-Landau equations for thermal convection in a high-porosity medium with heat source. *Ain Shams Engineering Journal*, **2018**, 9, 1547-1555	4.4	4
89	A theoretical study of enhanced heat transfer in nanoliquids with volumetric heat source. *Journal of Applied Mathematics and Computing*, **2018**, 57, 703-728	1.8	10
88	A comparative study of individual influences of suspended multiwalled carbon nanotubes and alumina nanoparticles on Rayleigh-Bénard convection in water. *Physics of Fluids*, **2018**, 30, 084101	4.4	16
87	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	2.2	18
86	A Study of Unsteady, Unicellular Rayleigh-Bénard Convection of Nanoliquids in Enclosures Using Additional Modes. *Journal of Nanofluids*, **2018**, 7, 791-800	2.2	16
85	Flow and Heat Transfer to a Newtonian Fluid Over Non-linear Extrusion Stretching Sheet. *International Journal of Applied and Computational Mathematics*, **2018**, 4, 1	1.3	5
84	Amplitude Equation and Heat Transport for Rayleigh-Bénard Convection in Newtonian Liquids with Nanoparticles. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 271-292	1.3	23
83	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	1.4	7
82	Steady Finite-Amplitude Rayleigh-Bénard Convection in Nanoliquids Using a Two-Phase Model: Theoretical Answer to the Phenomenon of Enhanced Heat Transfer. *Journal of Heat Transfer*, **2017**, 139,	1.8	43
81	Effects of Nonuniform Heating and Wall Conduction on Natural Convection in a Square Porous Cavity Using LTNE Model. *Journal of Heat Transfer*, **2017**, 139,	1.8	25
80	Linear and Weakly Nonlinear Stability Analyses of Two-Dimensional, Steady Brinkman-Bénard Convection Using Local Thermal Non-equilibrium Model. *Transport in Porous Media*, **2017**, 120, 605-631	3.1	17
79	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	1.4	1
78	Unicellular unsteady Rayleigh-Bénard convection in Newtonian liquids and Newtonian nanoliquids occupying enclosures : New findings. *International Journal of Mechanical Sciences*, **2017**, 131-132, 1061-1072	5.5	37
77	Effects of second diffusing component and cross diffusion on primary and secondary thermoconvective instabilities in couple stress liquids. *Applied Mathematics and Mechanics (English Edition)*, **2017**, 38, 1579-1600	3.2	8
76	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	1.3	0
75	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	2.8	25

74	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	5.5	27
73	Forced Convective Flow of a Nanoliquid due to a Stretching Cylinder with Free Stream. *Journal of Applied Fluid Mechanics*, **2016**, 9, 463-474	1.5	3
72	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	1.5	6
71	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,	1.8	3
70	A study on the onset of thermally modulated Darcy–Bénard convection. *Journal of Engineering Mathematics*, **2016**, 101, 175-188	1.2	7
69	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	6.1	1
68	MHD Flow Of Walters Liquid B Over A Nonlinearly Stretching Sheet. *International Journal of Applied Mechanics and Engineering*, **2015**, 20, 589-603	0.6	7
67	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	0.6	6
66	Finite Element Solution of Darcy–Brinkman Equation for Irregular Cross-Section Flow Channel Using Curved Triangular Elements. *Procedia Engineering*, **2015**, 127, 301-308		1
65	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	1.5	6
64	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	0.7	14
63	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	13
62	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	3.1	16
61	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	3.1	21
60	Linear and nonlinear stability analysis of binary viscoelastic fluid convection. *Applied Mathematical Modelling*, **2013**, 37, 8162-8178	4.5	14
59	Synchronous and asynchronous boundary temperature modulations of Bénard–Darcy convection. *International Journal of Non-Linear Mechanics*, **2013**, 49, 84-89	2.8	21
58	Study of Heat Transport in a Porous Medium Under G-jitter and Internal Heating Effects. *Transport in Porous Media*, **2013**, 96, 21-37	3.1	14
57	Effect of internal-heating on weakly non-linear stability analysis of Rayleigh–Bénard convection under g-jitter. *International Journal of Non-Linear Mechanics*, **2013**, 54, 35-42	2.8	12

#	Reference	IF	Cites
56	Chaotic convection in a ferrofluid. *Communications in Nonlinear Science and Numerical Simulation*, **2013**, 18, 2436-2447	3.7	36
55	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	0.6	7
54	Nonlinear Rayleigh-Bénard Convection With Variable Heat Source. *Journal of Heat Transfer*, **2013**, 135,	1.8	21
53	Energy Stability of Benard-Darcy Two-Component Convection of Maxwell Fluid. *International Journal of Applied Mechanics and Engineering*, **2013**, 18, 125-135	0.6	1
52	Study of heat transport by stationary magneto-convection in a Newtonian liquid under temperature or gravity modulation using Ginzburg-Landau model. *International Journal of Non-Linear Mechanics*, **2012**, 47, 418-425	2.8	35
51	An analytical study of nonlinear double-diffusive convection in a porous medium under temperature/gravity modulation. *Transport in Porous Media*, **2012**, 91, 585-604	3.1	23
50	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	3.1	11
49	Weakly Nonlinear Stability Analysis of Temperature/Gravity-Modulated Stationary Rayleigh-Bénard Convection in a Rotating Porous Medium. *Transport in Porous Media*, **2012**, 92, 633-647	3.1	27
48	On double-diffusive convection and cross diffusion effects on a horizontal wavy surface in a porous medium. *Boundary Value Problems*, **2012**, 2012, 88	2.1	10
47	Linear and nonlinear electroconvection under AC electric field. *Communications in Nonlinear Science and Numerical Simulation*, **2012**, 17, 2883-2895	3.7	20
46	An Analytical Study of Weakly Nonlinear Dynamics of a Walters Liquid B around a Flexible Sheet Undergoing Super Linear Stretching. *ISRN Applied Mathematics*, **2012**, 2012, 1-13		
45	Nonlinear Thermal Instability in a Rotating Viscous Fluid Layer Under Temperature/Gravity Modulation. *Journal of Heat Transfer*, **2012**, 134,	1.8	14
44	THERMAL INSTABILITY OF A NANOFLUID SATURATING A ROTATING ANISOTROPIC POROUS MEDIUM. *Special Topics and Reviews in Porous Media*, **2011**, 2, 53-64	2.5	39
43	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	2.7	12
42	Surface tension driven convection in viscoelastic liquids with thermorheological effect. *International Communications in Heat and Mass Transfer*, **2011**, 38, 468-473	5.8	12
41	Rayleigh-Bénard and Marangoni magnetoconvection in Newtonian liquid with thermorheological effects. *International Journal of Engineering Science*, **2011**, 49, 1078-1094	5.7	17
40	A Series Solution for the Ginzburg-Landau Equation with a Time-Periodic Coefficient. *Applied Mathematics*, **2010**, 01, 542-554	0.4	24
39	Effect of Rotation on Thermal Convection in an Anisotropic Porous Medium with Temperature-dependent Viscosity. *Transport in Porous Media*, **2010**, 81, 73-87	3.1	28

38	Effect of time-periodic vertical oscillations of the Rayleigh-Bénard system on nonlinear convection in viscoelastic liquids. *Journal of Non-Newtonian Fluid Mechanics*, **2010**, 165, 1412-1418	2.7	28
37	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	2.8	49
36	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
35	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	3.7	64
34	Rayleigh-Benard convection in a dielectric liquid: time-periodic body force. *Proceedings in Applied Mathematics and Mechanics*, **2007**, 7, 2100083-2100084	0.2	6
33	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	4.9	117
32	Analytical Study of Turbulent Pollutant Dispersion near a Low Hill. *Journal of Engineering Mechanics - ASCE*, **2006**, 132, 99-106	2.4	4
31	Effect of Thermal Modulation on the Onset of Convection in a Viscoelastic Fluid Saturated Porous Layer. *Transport in Porous Media*, **2006**, 62, 55-79	3.1	20
30	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	2.8	159
29	Thermorheological effect on magnetoconvection in weak electrically conducting fluids under 1g or ǧ **2004**, 62, 61-68		8
28	An analytical study of linear and non-linear convection in Boussinesq-Stokes suspensions. *International Journal of Non-Linear Mechanics*, **2004**, 39, 165-172	2.8	21
27	Rayleigh-Benard Convection With Second-Sound in a Viscoelastic Fluid-Filled High-Porosity Medium **2003**, 2509		0
26	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	2.8	16
25	Effect of time-periodic boundary temperatures/body force on Rayleigh-Benard convection in a ferromagnetic fluid. *Acta Mechanica*, **2003**, 161, 131-150	2.1	24
24	Nonlinear Convection in Porous Media: A Review. *Journal of Porous Media*, **2003**, 6, 1-32	2.9	36
23	Magnetoconvection in fluids with suspended particles under 1g and ǧ. *Aerospace Science and Technology*, **2002**, 6, 105-114	4.9	23
22	Unsteady non-linear convection in a second-order fluid. *International Journal of Non-Linear Mechanics*, **2002**, 37, 321-330	2.8	10
21	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS. *International Journal of Modern Physics B*, **2002**, 16, 2629-2635	1.1	18

20	OSCILLATORY CONVECTION IN VISCOELASTIC, FERROMAGNETIC/DIELECTRIC LIQUIDS **2002**,		2
19	Suction-injection effects on the onset of Rayleigh-Bénard-Marangoni convection in a fluid with suspended particles. *Acta Mechanica*, **2001**, 152, 241-252	2.1	12
18	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	0.8	5
17	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	5.7	16
16	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	4.9	8
15	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	2.8	24
14	EFFECT OF INTERPHASE MASS TRANSFER ON UNSTEADY CONVECTIVE DIFFUSION: PART II HAGEN POISEUILLE FLOW OF A POWER LAW FLUID IN A TUBE. *Chemical Engineering Communications*, **2000**, 180, 209-229	2.2	4
13	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	2.2	6
12	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	2.8	26
11	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	1
10	Magnetoconvection in a micropolar fluid. *International Journal of Engineering Science*, **1998**, 36, 1173-1181	5.7	28
9	Effect of a non-uniform basic temperature gradient on Rayleigh-Benard convection in a micropolar fluid. *International Journal of Engineering Science*, **1998**, 36, 1183-1196	5.7	30
8	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	2.2	37
7	Convective instability of ferromagnetic fluids bounded by fluid-permeable, magnetic boundaries. *Journal of Magnetism and Magnetic Materials*, **1995**, 149, 148-150	2.8	37
6	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	5.8	3
5	Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. *Biorheology*, **1986**, 23, 349-58	1.7	6
4	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*,1	4.1	2
3	Effects of variable viscosity and rotation modulation on ferroconvection. *Journal of Thermal Analysis and Calorimetry*,1	4.1	1

| 2 | Reduction of a Tri-Modal Lorenz Model of Ferrofluid Convection to a Cubic Quintic Ginzburg Landau Equation Using the Center Manifold Theorem. *Differential Equations and Dynamical Systems*,1 | 0.8 |
| 1 | Linear and non-linear stability analyses of Rayleigh-Bénard convection in water-copper and water-alloy nanoliquids. *International Journal of Ambient Energy*,1-17 | 2 |