

Prabhugouda M Patil

List of Publications by Year in Descending Order

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

58

papers

682

citations

18

h-index

22

g-index

67

ext. papers

950

ext. citations

3.3

avg, IF

4.83

L-index

#	Paper	IF	Citations
58	Influence of Liquid Hydrogen Diffusion on Nonlinear Mixed Convective Circulation around a Yawed Cylinder. <i>Symmetry</i> , 2022 , 14, 337	2.7	1
57	Influence of mixed convection nanofluid flow over a rotating sphere in the presence of diffusion of liquid hydrogen and ammonia. <i>Mathematics and Computers in Simulation</i> , 2022 , 194, 764-781	3.3	2
56	MHD quadratic mixed convective Eyring-Powell nanofluid flow with multiple diffusions. <i>Chinese Journal of Physics</i> , 2022 , 77, 393-410	3.5	0
55	Influence of activation energy and applied magnetic field on triple-diffusive quadratic mixed convective nanofluid flow about a slender cylinder. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
54	Corrigendum of Mixed convection flow past a yawed cylinder [ICHMT 114 (2020) 104582]. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 124, 105246	5.8	4
53	Nonlinear Mixed Convective Flow over a Moving Yawed Cylinder Driven by Buoyancy. <i>Mathematics</i> , 2021 , 9, 1275	2.3	4
52	Analysis of sodium chloride and sucrose diffusions in mixed convective nanofluid flow. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2117-2124	4.4	0
51	Analysis of MHD mixed convection in a Ag-TiO ₂ hybrid nanofluid flow past a slender cylinder. <i>Chinese Journal of Physics</i> , 2021 , 73, 406-406	3.5	14
50	Nonlinear mixed convective nanofluid flow about a rough sphere with the diffusion of liquid hydrogen. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1043-1053	6.1	15
49	Mixed Convection of Silica/Molybdenum Disulphide/Water Hybrid Nanofluid over a Rough Sphere. <i>Symmetry</i> , 2021 , 13, 236	2.7	9
48	A computational study of the triple-diffusive nonlinear convective nanofluid flow over a wedge under convective boundary constraints. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 128, 105561	5.8	8
47	Mixed convection flow past a yawed cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 114, 104582	5.8	8
46	Nonlinear mixed convective nanofluid flow along moving vertical rough plate. <i>Revista Mexicana De Física</i> , 2020 , 66, 153-161	3.5	11
45	Diffusion of liquid hydrogen in time-dependent MHD mixed convective flow. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1197-1205	4.1	
44	Nonlinear Mixed Convection Flow of Nanofluid Past a Moving Vertical Slender Cylinder. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 1219-1228	2.5	7
43	Effects of surface roughness on mixed convective nanofluid flow past an exponentially stretching permeable surface. <i>Chinese Journal of Physics</i> , 2020 , 64, 203-218	3.5	19
42	Diffusion of liquid hydrogen and oxygen in nonlinear mixed convection nanofluid flow over vertical cone. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17061-17071	6.7	27

41	Effects of surface roughness on mixed convection nanoliquid flow over slender cylinder with liquid hydrogen diffusion. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11121-11133	6.7	8
40	Influence of surface roughness on multidiffusive mixed convective nanofluid flow. <i>Physica Scripta</i> , 2019 , 94, 055201	2.6	6
39	Influence of MHD nanofluid flow on wall heating/cooling. <i>Physica Scripta</i> , 2019 , 94, 105217	2.6	2
38	Study of liquid oxygen and hydrogen diffusive flow past a sphere with rough surface. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26624-26636	6.7	4
37	Influence of applied magnetic field on mixed convective nanofluid flow past an exponentially stretching surface with roughness. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	4
36	Impacts of nonuniform heat source or sink on MHD mixed convection along an exponentially stretching surface. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2018 , 19, 185-193	0.7	1
35	Triple diffusive mixed convection along a vertically moving surface. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 117, 287-295	4.9	23
34	Triple diffusive mixed convection from an exponentially decreasing mainstream velocity. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 124, 298-306	4.9	12
33	Numerical simulation of unsteady triple diffusive mixed convection in NaCl-water and Sucrose-water solutions. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 126, 147-155	4.9	6
32	Influence of chemically reactive species and a volumetric heat source or sink on mixed convection over an exponentially decreasing mainstream. <i>Heat Transfer - Asian Research</i> , 2018 , 47, 111-125	2.8	3
31	Influence of liquid hydrogen and nitrogen on MHD triple diffusive mixed convection nanoliquid flow in presence of surface roughness. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 20101-20117	6.7	13
30	Non-similar solutions of mixed convection flow from an exponentially stretching surface. <i>Ain Shams Engineering Journal</i> , 2017 , 8, 697-705	4.4	19
29	Double Diffusive Flows over a Stretching Sheet of Variable Thickness with or without Surface Mass Transfer. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 1087-1103	2.8	8
28	Unsteady mixed convection over an exponentially decreasing external flow velocity. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 111, 643-650	4.9	23
27	Double diffusive mixed convection flow from a vertical exponentially stretching surface in presence of the viscous dissipation. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 112, 758-766	4.9	29
26	Comments on Effects of temperature dependent fluid properties and variable Prandtl number on the transient convective flow due to a porous rotating disk by M. S. Alam, S. M. Chapal Hossain, M. M. Rahman [Meccanica (2014) 49:2439-2451] <i>Meccanica</i> , 2017 , 52, 2499-2502	2.1	1
25	Influence of mixed convection in an exponentially decreasing external flow velocity. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 104, 392-399	4.9	24
24	Comments on Influence of chemical reaction and viscous dissipation on MHD mixed convection flow by K. Das [JMST 28 (5) (2014) 1881~1885] and Cu-water nanofluid flow and heat transfer over a shrinking sheet by K. Das [JMST 28 (12) 5089~5094]. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 483-486	1.6	1

23	Thermal diffusion and diffusion-thermo effects on mixed convection from an exponentially impermeable stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 100, 482-489	4.9	22
22	Comments on the Paper "Unsteady Radiative-Convective Boundary-Layer Flow of a Casson Fluid with Variable Thermal Conductivity" by M. Gnaneswara Reddy. <i>Journal of Engineering Physics and Thermophysics</i> , 2015 , 88, 1534-1536	0.6	2
21	Influence of convective boundary condition on double diffusive mixed convection from a permeable vertical surface. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 70, 313-321	4.9	20
20	The onset of convection in a porous layer with multiple horizontal solid partitions. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 68, 234-246	4.9	8
19	Linear Instability of a Horizontal Thermal Boundary Layer Formed by Vertical Throughflow in a Porous Medium: The Effect of Local Thermal Nonequilibrium. <i>Transport in Porous Media</i> , 2013 , 99, 207-227	3.7	14
18	CHEMICAL REACTION EFFECTS ON UNSTEADY MIXED CONVECTION BOUNDARY LAYER FLOW PAST A PERMEABLE SLENDER VERTICAL CYLINDER DUE TO A NONLINEARLY STRETCHING VELOCITY. <i>Chemical Engineering Communications</i> , 2013 , 200, 398-417	2.2	20
17	Unsteady thermal radiation mixed convection flow from a moving vertical plate in a parallel free stream: Effect of Newtonian heating. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 62, 534-540	4.9	22
16	Unsteady mixed convection flow from a slender cylinder due to impulsive change in wall velocity and temperature. <i>Thermal Science</i> , 2013 , 17, 1023-1034	1.2	6
15	Unsteady heat and mass transfer over a vertical stretching sheet in a parallel free stream with variable wall temperature and concentration. <i>Numerical Methods for Partial Differential Equations</i> , 2012 , 28, 926-941	2.5	12
14	Effects of chemical reaction on mixed convection flow of a polar fluid through a porous medium in the presence of internal heat generation. <i>Meccanica</i> , 2012 , 47, 483-499	2.1	22
13	Effects of surface mass transfer on steady mixed convection flow from vertical stretching sheet with variable wall temperature and concentration. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012 , 22, 287-305	4.5	27
12	FLOW AND HEAT TRANSFER OVER A MOVING VERTICAL PLATE IN A PARALLEL FREE STREAM: ROLE OF INTERNAL HEAT GENERATION OR ABSORPTION. <i>Chemical Engineering Communications</i> , 2012 , 199, 658-672	2.2	23
11	Unsteady effects on mixed convection boundary layer flow from a permeable slender cylinder due to non-linearly power law stretching. <i>Computers and Fluids</i> , 2012 , 56, 17-23	2.8	26
10	Effects of surface mass transfer on unsteady mixed convection flow over a vertical cone with chemical reaction. <i>Heat and Mass Transfer</i> , 2011 , 47, 1453-1464	2.2	23
9	Unsteady mixed convection flow from a moving vertical plate in a parallel free stream: Influence of heat generation or absorption. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 4749-4756	4.9	20
8	Unsteady mixed convection flow over a vertical stretching sheet in a parallel free stream with variable wall temperature. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 4741-4748	4.9	16
7	Free convective oscillatory flow of a polar fluid through a porous medium in the presence of oscillating suction and temperature. <i>Journal of Engineering Physics and Thermophysics</i> , 2009 , 82, 1138-1145	1.6	6
6	Effects of free convection on the oscillatory flow of a polar fluid through a porous medium in the presence of variable wall heat flux. <i>Journal of Engineering Physics and Thermophysics</i> , 2008 , 81, 905-922	0.6	15

5	Free convection effects on the oscillatory flow of a couple stress fluid through a porous medium. <i>Acta Mechanica</i> , 1993 , 98, 143-158	2.1	39
4	A note on effects of couple stresses on the flow through a porous medium. <i>Rheologica Acta</i> , 1992 , 31, 206-207	2.3	7
3	Effects of surface roughness and thermal radiation on mixed convective (GO/MoS ₂ /H ₂ O/C ₂ H ₆ O ₂) hybrid nanofluid flow past a permeable cone. <i>Indian Journal of Physics</i> , 1	1.4	2
2	Influence of applied magnetic field on nonlinear mixed convective nanofluid flow past a permeable rough cone. <i>Indian Journal of Physics</i> , 1	1.4	5
1	Mixed convection hybrid nanofluid flow over an exponentially stretching rough (smooth) surface with the impacts of homogeneous/heterogeneous reactions. <i>Heat Transfer</i> ,	3.1	2