Kothuru Venkatadri

List of Publications by Year
in descending order

27	276	1040056	996975
papers	citations	9 h-index	15 g-index

27	27	27	91
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical simulation of thermal radiation influence on natural convection in a trapezoidal enclosure: Heat flow visualization through energy flux vectors. International Journal of Mechanical Sciences, 2020, 171, 105391.	6.7	38
2	Numerical simulation of hydromagnetic Marangoni convection flow in a Darcian porous semiconductor melt enclosure with buoyancy and heat generation effects. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114722.	3.5	30
3	Numerical study of radiative non-Darcy nanofluid flow over a stretching sheet with a convective Nield conditions and energy activation. Nonlinear Engineering, 2021, 10, 159-176.	2.7	25
4	Simulation of unsteady natural convection flow of a Casson viscoplastic fluid in a square enclosure utilizing a MAC algorithm. Heat Transfer, 2020, 49, 1769-1787.	3.0	19
5	Melting heat transfer analysis of electrically conducting nanofluid flow over an exponentially shrinking/stretching porous sheet with radiative heat flux under a magnetic field. Heat Transfer, 2020, 49, 4281-4303.	3.0	16
6	Radiative and magnetohydrodynamics flow of third-grade viscoelastic fluid past an isothermal inverted cone in the presence of heat generation/absorption. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	15
7	Entropy analysis of magnetohydrodynamic nanofluid transport past an inverted cone: Buongiorno's model. Heat Transfer, 2021, 50, 3119-3153.	3.0	15
8	Entropy analysis of nanofluid magnetohydrodynamic convection flow past an inclined surface: A numerical review. Heat Transfer, 2021, 50, 5996-6021.	3.0	13
9	Numerical study of magnetohydrodynamic natural convection in a non-Darcian porous enclosure filled with electrically conducting helium gas. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 2203-2223.	2.1	13
10	Influence of external magnetic wire on natural convection of non-Newtonian fluid in a square cavity. Partial Differential Equations in Applied Mathematics, 2021, 4, 100041.	2.4	11
11	Mixed convection flows of tangent hyperbolic fluid past an isothermal wedge with entropy: A mathematical study. Heat Transfer, 2021, 50, 2895-2928.	3.0	10
12	Simulation of Natural Convection Heat Transfer in a 2-D Trapezoidal Enclosure. International Journal of Automotive and Mechanical Engineering, 2019, 16, 7375-7390.	0.9	10
13	Numerical simulation of thermal management during natural convection in a porous triangular cavity containing air and hot obstacles. European Physical Journal Plus, 2021, 136, 1.	2.6	9
14	Magneto-convective flow through a porous enclosure with Hall current and thermal radiation effects: numerical study. European Physical Journal: Special Topics, 2022, 231, 2555-2568.	2.6	9
15	Hydromagneto quadratic natural convection on a lid driven square cavity with isothermal and non-isothermal bottom wall. Engineering Computations, 2017, 34, 2463-2478.	1.4	7
16	NUMERICAL SIMULATION AND ENERGY FLUX VECTOR VISUALIZATION OF RADIATIVE-CONVECTION HEAT TRANSFER IN A POROUS TRIANGULAR ENCLOSURE. Journal of Porous Media, 2020, 23, 1187-1199.	1.9	7
17	Natural Convection in a Square Cavity with Uniformly Heated and/or Insulated Walls Using Marker-and-Cell Method. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	1.6	6
18	MHD RADIATIVE HEAT TRANSFER ANALYSIS OF CARREAU NANOFLUID FLOW PAST OVER A VERTICAL PLATE: A NUMERICAL STUDY. Nanoscience and Technology, 2021, 12, 81-103.	1.8	6

#	Article	IF	Citations
19	Radiative magnetoâ€thermogravitational flow in a porous square cavity with viscous heating and Hall current effects: A numerical study of Ï^â€“v scheme. Heat Transfer, 2022, 51, 6705-6723.	3.0	6
20	Magnetohydrodynamic Non-Darcy Flows of Nanofluid from Horizontal Circular Permeable Cylinder: A Buongiorno's Mathematical Model. Journal of Nanofluids, 2019, 8, 276-286.	2.7	4
21	Numerical Analysis of Unsteady MHD Mixed Convection Flow in a Lid-Driven Square Cavity with Central Heating on Left Vertical Wall. Lecture Notes in Mechanical Engineering, 2018, , 355-370.	0.4	3
22	Numerical simulation of lid-driven cavity flow of micropolar fluid. IOP Conference Series: Materials Science and Engineering, 2018, 402, 012168.	0.6	2
23	MATHEMATICAL MODELLING OF MHD DOUBLE â€“ DIFFUSIVE NATURAL CONVECTION FLOW IN A SQUARE ENCLOSURE. Frontiers in Heat and Mass Transfer, 0, 9, .	0.2	2
24	Comparative numerical simulation of lid-driven cavity flow problem with pressure term handling methods. AIP Conference Proceedings, 2020, , .	0.4	0
25	The Influence of Lewis Number on Natural Convective Nanofluid Flows in an Enclosure: Buongiornoâ€™s Mathematical Model: A Numerical Study. Advances in Intelligent Systems and Computing, 2020, , 315-327.	0.6	0
26	Modelling Third-Grade Liquid Past Vertical Isothermal Cone with Variable Temperature and BIOT Number Effects. Lecture Notes in Mechanical Engineering, 2021, , 193-204.	0.4	0
27	Simulation of Natural Convective Heat Transfer in a Triangular Enclosure Filled with Nanofluid: Buongiornoâ€™s Mathematical Model. Lecture Notes in Mechanical Engineering, 2021, , 147-158.	0.4	0