

Kothuru Venkatadri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2035275/publications.pdf>

Version: 2024-02-01

27
papers

276
citations

1040056

9
h-index

996975

15
g-index

27
all docs

27
docs citations

27
times ranked

91
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Radiative magneto-thermogravitational flow in a porous square cavity with viscous heating and Hall current effects: A numerical study of $\langle i \rangle \langle i \rangle \langle i \rangle$ scheme. Heat Transfer, 2022, 51, 6705-6723. | 3.0 | 6 |
| 4 | 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 |
| 5 | Entropy analysis of magnetohydrodynamic nanofluid transport past an inverted cone: Buongiorno's model. Heat Transfer, 2021, 50, 3119-3153. | 3.0 | 15 |
| 6 | MHD RADIATIVE HEAT TRANSFER ANALYSIS OF CARREAU NANOFUID FLOW PAST OVER A VERTICAL PLATE: A NUMERICAL STUDY. Nanoscience and Technology, 2021, 12, 81-103. | 1.8 | 6 |
| 7 | 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 |
| 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 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 |
| 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 | 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 |
| 12 | Simulation of Natural Convective Heat Transfer in a Triangular Enclosure Filled with Nanofluid: Buongiorno's Mathematical Model. Lecture Notes in Mechanical Engineering, 2021, , 147-158. | 0.4 | 0 |
| 13 | 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 |
| 14 | 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 |
| 15 | Comparative numerical simulation of lid-driven cavity flow problem with pressure term handling methods. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The Influence of Lewis Number on Natural Convective Nanofluid Flows in an Enclosure: Buongiorno's Mathematical Model: A Numerical Study. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 315-327. | 0.6 | 0 |
| 20 | Magnetohydrodynamic Non-Darcy Flows of Nanofluid from Horizontal Circular Permeable Cylinder: A Buongiorno's Mathematical Model. <i>Journal of Nanofluids</i> , 2019, 8, 276-286. | 2.7 | 4 |
| 21 | Simulation of Natural Convection Heat Transfer in a 2-D Trapezoidal Enclosure. <i>International Journal of Automotive and Mechanical Engineering</i> , 2019, 16, 7375-7390. | 0.9 | 10 |
| 22 | Natural Convection in a Square Cavity with Uniformly Heated and/or Insulated Walls Using Marker-and-Cell Method. <i>International Journal of Applied and Computational Mathematics</i> , 2018, 4, 1. | 1.6 | 6 |
| 23 | Radiative and magnetohydrodynamics flow of third-grade viscoelastic fluid past an isothermal inverted cone in the presence of heat generation/absorption. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1. | 1.6 | 15 |
| 24 | Numerical Analysis of Unsteady MHD Mixed Convection Flow in a Lid-Driven Square Cavity with Central Heating on Left Vertical Wall. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 355-370. | 0.4 | 3 |
| 25 | Numerical simulation of lid-driven cavity flow of micropolar fluid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 402, 012168. | 0.6 | 2 |
| 26 | Hydromagneto quadratic natural convection on a lid driven square cavity with isothermal and non-isothermal bottom wall. <i>Engineering Computations</i> , 2017, 34, 2463-2478. | 1.4 | 7 |
| 27 | MATHEMATICAL MODELLING OF MHD DOUBLE " DIFFUSIVE NATURAL CONVECTION FLOW IN A SQUARE ENCLOSURE. <i>Frontiers in Heat and Mass Transfer</i> , 0, 9, . | 0.2 | 2 |