Rashid Mahmood

List of Publications by Year
in descending order

18 papers	236 citations	1163117 8 h-index	1058476 14 g-index
18 all docs	18 docs citations	18 times ranked	91 citing authors

#	Article	IF	Citations
1	Finite element method visualization about heat transfer analysis of Newtonian material in triangular cavity with square cylinder. Journal of Materials Research and Technology, 2020, 9, 4904-4918.	5.8	31
2	CFD analysis for characterization of non-linear power law material in a channel driven cavity with a square cylinder by measuring variation in drag and lift forces. Journal of Materials Research and Technology, 2020, 9, 3838-3846.	5.8	24
3	Assessment of pseudo-plastic and dilatant materials flow in channel driven cavity: application of metallurgical processes. Journal of Materials Research and Technology, 2020, 9, 3829-3837.	5.8	23
4	A comparative analysis of flow features of Newtonian and power law material: A New configuration. Journal of Materials Research and Technology, 2020, 9, 1978-1987.	5.8	22
5	A comprehensive finite element examination of Carreau Yasuda fluid model in a lid driven cavity and channel with obstacle by way of kinetic energy and drag and lift coefficient measurements. Journal of Materials Research and Technology, 2020, 9, 1785-1800.	5.8	21
6	Heat and Mass Transfer in Hydromagnetic Second-Grade Fluid Past a Porous Inclined Cylinder under the Effects of Thermal Dissipation, Diffusion and Radiative Heat Flux. Energies, 2020, 13, 278.	3.1	19
7	Topological Attributes of Silicon Carbide SiC_4-mt. Journal of Chemistry, 2022, 2022, 1-11.	1.9	13
8	Numerical Computation of MHD Thermal Flow of Cross Model over an Elliptic Cylinder: Reduction of Forces via Thickness Ratio. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	12
9	Thermal visualization of Ostwald-de Waele liquid in wavy trapezoidal cavity: Effect of undulation and amplitude. Case Studies in Thermal Engineering, 2022, 29, 101698.	5.7	11
10	Computational Analysis of Fluid Forces on an Obstacle in a Channel Driven Cavity: Viscoplastic Material Based Characteristics. Materials, 2022, 15, 529.	2.9	11
11	Numerical simulation of thermal flows and entropy generation of magnetized hybrid nanomaterials filled in a hexagonal cavity. Case Studies in Thermal Engineering, 2022, 39, 102293.	5.7	11
12	Topological Characteristics of Obstacles and Nonlinear Rheological Fluid Flow in Presence of Insulated Fins: A Fluid Force Reduction Study. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	10
13	Flow of the Bingham-Papanastasiou Regularized Material in a Channel in the Presence of Obstacles: Correlation between Hydrodynamic Forces and Spacing of Obstacles. Modelling and Simulation in Engineering, 2021, 2021, 1-14.	0.7	9
14	Periodic Flow of Non-Newtonian Fluid Over a Uniformly Heated Block With Thermal Plates: A Hybrid Mesh-Based Study. Frontiers in Physics, 2022, 10, .	2.1	7
15	Numerical Computation for Modified Cross Model Fluid Flow Around the Circular Cylinder with Symmetric Trapezoidal Cavities. Frontiers in Physics, 0, 10, .	2.1	5
16	Numerical Investigation of Viscous Fluid Flow and Heat Transfer in the Closed Configuration Installed with Baffles. , 2022, 1, 49-57.		3
17	Statistical Analysis of Hydrodynamic Forces in Power-Law Fluid Flow in a Channel: Circular Versus Semi-Circular Cylinder. Frontiers in Physics, 2022, 10, .	2.1	2
18	Finite Element Analysis of the Dynamics of Power-Law Fluid around an Obstacle in a Channel. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	2