

# Rashid Mahmood

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Computational Analysis of Fluid Forces on an Obstacle in a Channel Driven Cavity: Viscoplastic Material Based Characteristics. Materials, 2022, 15, 529.	2.9	11
3	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
4	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
5	Topological Attributes of Silicon Carbide $\langle \text{Si} \rangle \langle \text{C} \rangle_4$ Journal of Chemistry, 2022, 2022, 1-11.	1.9	13
6	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
7	Numerical Investigation of Viscous Fluid Flow and Heat Transfer in the Closed Configuration Installed with Baffles. , 2022, 1, 49-57.		3
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Numerical Computation for Modified Cross Model Fluid Flow Around the Circular Cylinder with Symmetric Trapezoidal Cavities. Frontiers in Physics, 0, 10, .	2.1	5