Azad Hussain

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Heat Transfer Analysis and Effects of (Silver and Gold) Nanoparticles on Blood Flow Inside Arterial Stenosis. Applied Sciences (Switzerland), 2022, 12, 1601.	2.5	15
2	Numerical and Thermal Investigation of Magneto-Hydrodynamic Hybrid Nanoparticles (SWCNT-Ag) under Rosseland Radiation: A Prescribed Wall Temperature Case. Nanomaterials, 2022, 12, 891.	4.1	25
3	Heat Transfer Analysis of Nanostructured Material Flow over an Exponentially Stretching Surface: A Comparative Study. Nanomaterials, 2022, 12, 1204.	4.1	18
4	Thermophoresis and Brownian Effect for Chemically Reacting Magneto-Hydrodynamic Nanofluid Flow across an Exponentially Stretching Sheet. Energies, 2022, 15, 143.	3.1	23
5	Heat Transfer and Flow Characteristics of Pseudoplastic Nanomaterial Liquid Flowing over the Slender Cylinder with Variable Characteristics. Crystals, 2022, 12, 27.	2.2	5
6	Mass and Heat Transport Assessment and Nanomaterial Liquid Flowing on a Rotating Cone: A Numerical Computing Approach. Nanomaterials, 2022, 12, 1700.	4.1	2
7	The Influences of Squeezed Inviscid Flow between Parallel Plates. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	2
8	A Combined Convection Carreau–Yasuda Nanofluid Model over a Convective Heated Surface near a Stagnation Point: A Numerical Study. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	27
9	Assisting and Opposing Stagnation Point Pseudoplastic Nano Liquid Flow towards a Flexible Riga Sheet: A Computational Approach. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	18
10	Heat Transmission of Engine-Oil-Based Rotating Nanofluids Flow with Influence of Partial Slip Condition: A Computational Model. Energies, 2021, 14, 3859.	3.1	22
11	A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime. Mathematical Problems in Engineering, 2021, 2021, 1-17.	1.1	13
12	Computational Investigation of the Combined Impact of Nonlinear Radiation and Magnetic Field on Three-Dimensional Rotational Nanofluid Flow across a Stretchy Surface. Processes, 2021, 9, 1453.	2.8	29
13	Three-Dimensional Water-Based Magneto-Hydrodynamic Rotating Nanofluid Flow over a Linear Extending Sheet and Heat Transport Analysis: A Numerical Approach. Energies, 2021, 14, 5133.	3.1	39
14	A New Heat Dissipation Model and Convective Two-Phase Nanofluid in Brittle Medium Flow over a Cone. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	8
15	Comsolic solution of an elliptic cylindrical compressible fluid flow. Scientific Reports, 2021, 11, 20030.	3.3	15
16	Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	10
17	Nonviscous Oblique Stagnation Point Flow towards Riga Plate. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	3
18	Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point. Scientific Reports, 2021, 11, 23736.	3.3	18

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#	Article	IF	CITATIONS
19	Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate. Heliyon, 2020, 6, e04689.	3.2	20
20	Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface. Heliyon, 2020, 6, e04875.	3.2	12
21	Slip Effects on Unsteady Oblique Stagnation Point Flow of Nanofluid in a View of Inclined Magnetic Field. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	6
22	Thermophoresis and Brownian Model of Pseudo-Plastic Nanofluid Flow over a Vertical Slender Cylinder. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	14
23	Probe of Radiant Flow on Temperature-Dependent Viscosity Models of Differential Type MHD Fluid. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	5
24	Magnetic dipole ramifications on squashed flow characterization of a ferrofluid roaming a Darcy–Forchheimer sensor surface. European Physical Journal Plus, 2020, 135, 1.	2.6	1
25	MHD flow, under the kinetic postulate, of fluids that are initially liquid under thermal radiation effects. Canadian Journal of Physics, 2019, 97, 579-587.	1.1	2
26	Model for MHD viscoelastic nanofluid flow with prominence effects of radiation. Heat Transfer - Asian Research, 2019, 48, 463-482.	2.8	15
27	Numerical investigation of squeezing flow of Walters' B fluid through parallel plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	5
28	Numerical investigation of viscoelastic nanofluid flow with radiation effects. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2019, 233, 87-96.	0.6	7
29	Magnetically driven flow of pseudoplastic fluid across a sensor surface. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	8
30	Influence of heat generation on magnetohydrodynamic (MHD) flow using a theory of kinetics for liquids. Canadian Journal of Physics, 2019, 97, 1262-1269.	1.1	2
31	Rheological analysis on non-Newtonian wire coating. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	9
32	Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow. Heliyon, 2019, 5, e01203.	3.2	29
33	Nonâ€Newtonian squashed flow simulation across Darcyâ€Forchheimer sensor. Heat Transfer - Asian Research, 2019, 48, 398-413.	2.8	3
34	Formulating the behavior of thermal radiation and magnetic dipole effects on Darcy–Forchheimer grasped ferrofluid flow. Canadian Journal of Physics, 2019, 97, 938-949.	1.1	2
35	Inquisition of combined effects of radiation and MHD on elastico-viscous fluid flow past a pervious plate. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	10
36	Flow of an Eyring-Powell Model Fluid between Coaxial Cylinders with Variable Viscosity. Chinese Journal of Engineering, 2013, 2013, 1-7.	1.0	5

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37	Flow of a Non-Newtonian Nanofluid Between Coaxial Cylinders with Variable Viscosity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 255-261.	1.5	10
38	Analytical Treatment of an Oldroyd 8-constant Fluid Between Coaxial Cylinders with Variable Viscosity. Communications in Theoretical Physics, 2011, 56, 933-938.	2.5	9
39	Flow of a Third Grade Fluid between Coaxial Cylinders with Variable Viscosity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 588-596.	1.5	14