

Azad Hussain

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Water-Based Magneto-Hydrodynamic Rotating Nanofluid Flow over a Linear Extending Sheet and Heat Transport Analysis: A Numerical Approach. <i>Energies</i> , 2021, 14, 5133.	1.6	39
2	Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow. <i>Heliyon</i> , 2019, 5, e01203.	1.4	29
3	Computational Investigation of the Combined Impact of Nonlinear Radiation and Magnetic Field on Three-Dimensional Rotational Nanofluid Flow across a Stretchy Surface. <i>Processes</i> , 2021, 9, 1453.	1.3	29
4	A Combined Convection Carreau–Yasuda Nanofluid Model over a Convective Heated Surface near a Stagnation Point: A Numerical Study. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	27
5	Numerical and Thermal Investigation of Magneto-Hydrodynamic Hybrid Nanoparticles (SWCNT-Ag) under Rosseland Radiation: A Prescribed Wall Temperature Case. <i>Nanomaterials</i> , 2022, 12, 891.	1.9	25
6	Thermophoresis and Brownian Effect for Chemically Reacting Magneto-Hydrodynamic Nanofluid Flow across an Exponentially Stretching Sheet. <i>Energies</i> , 2022, 15, 143.	1.6	23
7	Heat Transmission of Engine-Oil-Based Rotating Nanofluids Flow with Influence of Partial Slip Condition: A Computational Model. <i>Energies</i> , 2021, 14, 3859.	1.6	22
8	Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate. <i>Heliyon</i> , 2020, 6, e04689.	1.4	20
9	Assisting and Opposing Stagnation Point Pseudoplastic Nano Liquid Flow towards a Flexible Riga Sheet: A Computational Approach. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	18
10	Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point. <i>Scientific Reports</i> , 2021, 11, 23736.	1.6	18
11	Heat Transfer Analysis of Nanostructured Material Flow over an Exponentially Stretching Surface: A Comparative Study. <i>Nanomaterials</i> , 2022, 12, 1204.	1.9	18
12	Model for MHD viscoelastic nanofluid flow with prominence effects of radiation. <i>Heat Transfer - Asian Research</i> , 2019, 48, 463-482.	2.8	15
13	Comsol solution of an elliptic cylindrical compressible fluid flow. <i>Scientific Reports</i> , 2021, 11, 20030.	1.6	15
14	Heat Transfer Analysis and Effects of (Silver and Gold) Nanoparticles on Blood Flow Inside Arterial Stenosis. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1601.	1.3	15
15	Flow of a Third Grade Fluid between Coaxial Cylinders with Variable Viscosity. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 588-596.	0.7	14
16	Thermophoresis and Brownian Model of Pseudo-Plastic Nanofluid Flow over a Vertical Slender Cylinder. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.	0.6	14
17	A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-17.	0.6	13
18	Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface. <i>Heliyon</i> , 2020, 6, e04875.	1.4	12

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19	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.	0.7	10
20	Inquisition of combined effects of radiation and MHD on elasto-viscous fluid flow past a pervious plate. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	10
21	Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	10
22	Analytical Treatment of an Oldroyd 8-constant Fluid Between Coaxial Cylinders with Variable Viscosity. Communications in Theoretical Physics, 2011, 56, 933-938.	1.1	9
23	Rheological analysis on non-Newtonian wire coating. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	9
24	Magnetically driven flow of pseudoplastic fluid across a sensor surface. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	8
25	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.	0.6	8
26	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.	0.5	7
27	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.	0.6	6
28	Flow of an Eyring-Powell Model Fluid between Coaxial Cylinders with Variable Viscosity. Chinese Journal of Engineering, 2013, 2013, 1-7.	1.0	5
29	Numerical investigation of squeezing flow of Walters's B fluid through parallel plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	5
30	Probe of Radiant Flow on Temperature-Dependent Viscosity Models of Differential Type MHD Fluid. Mathematical Problems in Engineering, 2020, 2020, 1-16.	0.6	5
31	Heat Transfer and Flow Characteristics of Pseudoplastic Nanomaterial Liquid Flowing over the Slender Cylinder with Variable Characteristics. Crystals, 2022, 12, 27.	1.0	5
32	Non-Newtonian squashed flow simulation across Darcy-Forchheimer sensor. Heat Transfer - Asian Research, 2019, 48, 398-413.	2.8	3
33	Nonviscous Oblique Stagnation Point Flow towards Riga Plate. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	3
34	MHD flow, under the kinetic postulate, of fluids that are initially liquid under thermal radiation effects. Canadian Journal of Physics, 2019, 97, 579-587.	0.4	2
35	Influence of heat generation on magnetohydrodynamic (MHD) flow using a theory of kinetics for liquids. Canadian Journal of Physics, 2019, 97, 1262-1269.	0.4	2
36	Formulating the behavior of thermal radiation and magnetic dipole effects on Darcy-Forchheimer grasped ferrofluid flow. Canadian Journal of Physics, 2019, 97, 938-949.	0.4	2

#	ARTICLE	IF	CITATIONS
37	The Influences of Squeezed Inviscid Flow between Parallel Plates. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	2
38	Mass and Heat Transport Assessment and Nanomaterial Liquid Flowing on a Rotating Cone: A Numerical Computing Approach. <i>Nanomaterials</i> , 2022, 12, 1700.	1.9	2
39	Magnetic dipole ramifications on squashed flow characterization of a ferrofluid roaming a Darcy–Forchheimer sensor surface. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	1