Azad Hussain

List of Publications by Year
in descending order

39 papers	480 citations	687363 13 h-index	839539 18 g-index
39 all docs	39 docs citations	39 times ranked	265 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. Energies, 2021, 14, 5133.	3.1	39
2	Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow. Heliyon, 2019, 5, e01203.	3.2	29
3	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
4	A Combined Convection Carreauâ€“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
5	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
6	Thermophoresis and Brownian Effect for Chemically Reacting Magneto-Hydrodynamic Nanofluid Flow across an Exponentially Stretching Sheet. Energies, 2022, 15, 143.	3.1	23
7	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
8	Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate. Heliyon, 2020, 6, e04689.	3.2	20
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	Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point. Scientific Reports, 2021, 11, 23736.	3.3	18
11	Heat Transfer Analysis of Nanostructured Material Flow over an Exponentially Stretching Surface: A Comparative Study. Nanomaterials, 2022, 12, 1204.	4.1	18
12	Model for MHD viscoelastic nanofluid flow with prominence effects of radiation. Heat Transfer - Asian Research, 2019, 48, 463-482.	2.8	15
13	Comsolic solution of an elliptic cylindrical compressible fluid flow. Scientific Reports, 2021, 11, 20030.	3.3	15
14	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
15	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
16	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
17	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
18	Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface. Heliyon, 2020, 6, e04875.	3.2	12

#	Article	IF	Citations
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.	1.5	10
20	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
21	Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	10
22	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
23	Rheological analysis on non-Newtonian wire coating. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	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.	1.6	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.	1.1	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.	0.6	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.	1.1	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 Waltersâ€™ B fluid through parallel plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	5
30	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
31	Heat Transfer and Flow Characteristics of Pseudoplastic Nanomaterial Liquid Flowing over the Slender Cylinder with Variable Characteristics. Crystals, 2022, 12, 27.	2.2	5
32	Nonâ€Newtonian squashed flow simulation across Darcyâ€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.	1.1	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.	1.1	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.	1.1	2
36	Formulating the behavior of thermal radiation and magnetic dipole effects on Darcyâ€“Forchheimer grasped ferrofluid flow. Canadian Journal of Physics, 2019, 97, 938-949.	1.1	2

#	Article	IF	Citations
37	The Influences of Squeezed Inviscid Flow between Parallel Plates. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	2
38	Mass and Heat Transport Assessment and Nanomaterial Liquid Flowing on a Rotating Cone: A Numerical Computing Approach. Nanomaterials, 2022, 12, 1700.	4.1	2
39	Magnetic dipole ramifications on squashed flow characterization of a ferrofluid roaming a Darcyâ€“Forchheimer sensor surface. European Physical Journal Plus, 2020, 135, 1.	2.6	1