

Dr Syed Modassir Hussain

List of Publications by Year in descending order

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papers

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citations

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all docs

34
docs citations

34
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of heat absorbing and radiative hydromagnetic nanofluids through a stretching surface with chemical reaction and viscous dissipation. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024, 238, 101-111.	2.5	7
2	Chemical reaction and thermal characteristics of Maxwell nanofluid flow-through solar collector as a potential solar energy cooling application: A modified Buongiorno's model. Energy and Environment, 2023, 34, 1409-1432.	4.6	19
3	Implication of Arrhenius Activation Energy and Temperature-Dependent Viscosity on Non-Newtonian Nanomaterial Bio-Convective Flow with Partial Slip. Arabian Journal for Science and Engineering, 2022, 47, 7559-7570.	3.0	21
4	Numerical and statistical explorations on the dynamics of water conveying Cu-Al ₂ O ₃ hybrid nanofluid flow over an exponentially stretchable sheet with Navier's partial slip and thermal jump conditions. Chinese Journal of Physics, 2022, 75, 120-138.	3.9	29
5	Entropy Amplified solitary phase relative probe on engine oil based hybrid nanofluid. Chinese Journal of Physics, 2022, 77, 1654-1681.	3.9	27
6	Thermal Management of Magnetohydrodynamic Nanofluid Within Porous C-Shaped Cavity with Undulated Baffle. Journal of Thermophysics and Heat Transfer, 2022, 36, 594-611.	1.6	8
7	Dynamics of ethylene glycol-based graphene and molybdenum disulfide hybrid nanofluid over a stretchable surface with slip conditions. Scientific Reports, 2022, 12, 1751.	3.3	24
8	Numerical study of Casson nanofluid flow past a vertical convectively heated Riga-plate with Navier's slip condition. AIP Conference Proceedings, 2022, , .	0.4	2
9	Physical specifications of MHD mixed convective of Ostwald-de Waele nanofluids in a vented-cavity with inner elliptic cylinder. International Communications in Heat and Mass Transfer, 2022, 134, 106038.	5.6	70
10	The flow, thermal and mass properties of Soret-Dufour model of magnetized Maxwell nanofluid flow over a shrinkage inclined surface. PLoS ONE, 2022, 17, e0267148.	2.5	26
11	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application. Nanotechnology Reviews, 2022, 11, 2015-2037.	5.8	32
12	Dynamics of radiative Williamson hybrid nanofluid with entropy generation: significance in solar aircraft. Scientific Reports, 2022, 12, .	3.3	28
13	Features and aspects of radioactive flow and slippage velocity on rotating two-phase Prandtl nanofluid with zero mass fluxing and convective constraints. International Communications in Heat and Mass Transfer, 2022, 136, 106180.	5.6	25
14	Effectiveness of Nonuniform Heat Generation (Sink) and Thermal Characterization of a Carreau Fluid Flowing across a Nonlinear Elongating Cylinder: A Numerical Study. ACS Omega, 2022, 7, 25309-25320.	3.5	55
15	Galerkin finite element solution for electromagnetic radiative impact on viscid Williamson two-phase nanofluid flow via extendable surface. International Communications in Heat and Mass Transfer, 2022, 137, 106243.	5.6	65
16	Comparative Numerical Study of Thermal Features Analysis between Oldroyd-B Copper and Molybdenum Disulfide Nanoparticles in Engine-Oil-Based Nanofluids Flow. Coatings, 2021, 11, 1196.	2.6	25
17	A comparative entropy based analysis of tangent hyperbolic hybrid nanofluid flow: Implementing finite difference method. International Communications in Heat and Mass Transfer, 2021, 129, 105671.	5.6	86
18	Computational analysis of thermal energy distribution of electromagnetic Casson nanofluid across stretched sheet: Shape factor effectiveness of solid-particles. Energy Reports, 2021, 7, 7460-7477.	5.1	32

#	ARTICLE	IF	CITATIONS
19	Comparative Study on Effects of Thermal Gradient Direction on Heat Exchange between a Pure Fluid and a Nanofluid: Employing Finite Volume Method. <i>Coatings</i> , 2021, 11, 1481.	2.6	34
20	Study of graphene Maxwell nanofluid flow past a linearly stretched sheet: A numerical and statistical approach. <i>Chinese Journal of Physics</i> , 2020, 68, 671-683.	3.9	54
21	Hydromagnetic Dissipative and Radiative Graphene Maxwell Nanofluid Flow Past a Stretched Sheet-Numerical and Statistical Analysis. <i>Mathematics</i> , 2020, 8, 1929.	2.2	31
22	Thermal radiation impact on boundary layer dissipative flow of magneto-nanofluid over an exponentially stretching sheet. <i>International Journal of Heat and Technology</i> , 2018, 36, 1163-1173.	0.6	25
23	Analysis of Radiative Magneto-Nanofluid over an Accelerated Plate in a Rotating Medium with Hall Effects. , 2017, 11, 129-145.		9
24	Free convective heat transfer with hall effects, heat absorption and chemical reaction over an accelerated moving plate in a rotating system. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 112-123.	2.3	87
25	Radiative Magneto-Nanofluid Over an Accelerated Moving Ramped Temperature Plate with Hall Effects. <i>Journal of Nanofluids</i> , 2017, 6, 840-851.	2.7	11
26	HYDROMAGNETIC NATURAL CONVECTION FLOW WITH RADIATIVE HEAT TRANSFER PAST AN ACCELERATED MOVING VERTICAL PLATE WITH RAMPED TEMPERATURE THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2014, 17, 67-79.	1.9	12
27	Effects of Hall current, radiation and rotation on natural convection heat and mass transfer flow past a moving vertical plate. <i>Ain Shams Engineering Journal</i> , 2014, 5, 489-503.	6.1	52
28	Hydromagnetic oscillatory Couette flow in rotating system with induced magnetic field. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 1331-1344.	3.6	8
29	Soret and Dufour Effects on Viscoelastic Radiative and Heat Absorbing Nanofluid Driven by a Stretched Sheet with Inclined Magnetic Field. <i>Defect and Diffusion Forum</i> , 0, 388, 223-245.	0.4	12
30	Numerical investigation of generalized perturbed Zakharov-Kuznetsov equation of fractional order in dusty plasma. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	2
31	Thermal slip and homogeneous/heterogeneous reaction characteristics of second-grade fluid flow over an exponentially stretching sheet. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110641.	2.5	4
32	Mechanical improvement in solar aircraft by using tangent hyperbolic single-phase nanofluid. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110593.	2.5	12
33	Thermal-enhanced hybrid of copper-zirconium dioxide/ethylene glycol nanofluid flowing in the solar collector of water-pump application. <i>Waves in Random and Complex Media</i> , 0, , 1-28.	2.7	14
34	Irreversibility analysis of time-dependent magnetically driven flow of Sutterby hybrid nanofluid: a thermal mathematical model. <i>Waves in Random and Complex Media</i> , 0, , 1-33.	2.7	10