

Madhukesh Jk

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of AA7072-AA7075/water-based hybrid nanofluid flow over a curved stretching sheet with Newtonian heating: A non-Fourier heat flux model approach. <i>Journal of Molecular Liquids</i> , 2021, 335, 116103.	4.9	182
2	Analysis of single and multi-wall carbon nanotubes (SWCNT/MWCNT) in the flow of Maxwell nanofluid with the impact of magnetic dipole. <i>Computational and Theoretical Chemistry</i> , 2021, 1200, 113223.	2.5	54
3	Activation Energy Impact on Flow of AA7072-AA7075/Water-Based Hybrid Nanofluid through a Cone, Wedge and Plate. <i>Micromachines</i> , 2022, 13, 302.	2.9	53
4	Impact of thermophoretic particle deposition on heat and mass transfer across the dynamics of Casson fluid flow over a moving thin needle. <i>Physica Scripta</i> , 2021, 96, 075210.	2.5	51
5	Dynamics of water conveying SWCNT nanoparticles and swimming microorganisms over a Riga plate subject to heat source/sink. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 2418-2429.	6.4	49
6	Three dimensional mixed convection flow of hybrid casson nanofluid past a non-linear stretching surface: A modified Buongiorno's model aspects. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111428.	5.1	47
7	Assessment of Arrhenius activation energy in stretched flow of nanofluid over a rotating disc. <i>Heat Transfer</i> , 2021, 50, 2807-2828.	3.0	41
8	Activation energy process in hybrid CNTs and induced magnetic slip flow with heat source/sink. <i>Chinese Journal of Physics</i> , 2021, 73, 375-390.	3.9	41
9	Influence of Thermophoretic Particle Deposition on the 3D Flow of Sodium Alginate-Based Casson Nanofluid over a Stretching Sheet. <i>Micromachines</i> , 2021, 12, 1474.	2.9	39
10	Squeezing flow of Casson hybrid nanofluid between parallel plates with a heat source or sink and thermophoretic particle deposition. <i>Heat Transfer</i> , 2021, 50, 7139-7156.	3.0	37
11	Impact of thermophoretic particle deposition on Glauert wall jet slip flow of nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101404.	5.7	37
12	Bio-Marangoni convection flow of Casson nanoliquid through a porous medium in the presence of chemically reactive activation energy. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1191-1204.	3.6	36
13	Thermodynamic activity of a ternary nanofluid flow passing through a permeable slipped surface with heat source and sink. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	2.7	34
14	Significance of aluminium alloys particle flow through a parallel plates with activation energy and chemical reaction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6971-6981.	3.6	32
15	Effect of thermal radiation on heat transfer in plane wall jet flow of Casson nanofluid with suction subject to a slip boundary condition. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	2.7	20
16	Dynamics of hybrid nanofluid through a semi spherical porous fin with internal heat generation. <i>Partial Differential Equations in Applied Mathematics</i> , 2021, 4, 100150.	2.4	19
17	Performance of water, ethylene glycol, engine oil conveying SWCNT-MWCNT nanoparticles over a cylindrical fin subject to magnetic field and heat generation. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 936-945.	3.3	18
18	FLOW OF HYDROMAGNETIC MICROPOLAR-CASSON NANOFLUID OVER POROUS DISKS INFLUENCED BY CATTANEO-CHRISTOV THEORY AND SLIP EFFECTS. <i>Journal of Porous Media</i> , 2022, 25, 35-49.	1.9	18

#	ARTICLE	IF	CITATIONS
19	Thermophoretic particle deposition and heat generation analysis of Newtonian nanofluid flow through magnetized Riga plate. Heat Transfer, 2022, 51, 3082-3098.	3.0	18
20	Computational study of chemical reaction and activation energy on the flow of $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si29.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle F \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle o \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy}=\text{"false"} \rangle \langle \text{mml:mi} \rangle w \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle$	2.5	17
21	Effect of electromagnetic field on the thermal performance of longitudinal trapezoidal porous fin using DTMâ€™Pade approximant. Heat Transfer, 2022, 51, 3313-3333.	3.0	17
22	Characteristic of thermophoretic effect and convective thermal conditions on flow of hybrid nanofluid over a moving thin needle. Waves in Random and Complex Media, 0, , 1-23.	2.7	17
23	Ternary nanofluid with heat source/sink and porous medium effects in stretchable convergent/divergent channel. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024, 238, 134-143.	2.5	16
24	Impact of thermophoretic particle deposition on heat transfer and nanofluid flow through different geometries: An application to solar energy. Chinese Journal of Physics, 2022, 80, 190-205.	3.9	15
25	Nanoparticle Aggregation and Thermophoretic Particle Deposition Process in the Flow of Micropolar Nanofluid over a Stretching Sheet. Nanomaterials, 2022, 12, 977.	4.1	14
26	3D Flow of Hybrid Nanomaterial through a Circular Cylinder: Saddle and Nodal Point Aspects. Mathematics, 2022, 10, 1185.	2.2	14
27	Thermodynamics Examination of Fe ₃ O ₄ -CoFe ₂ O ₄ /Water+EG Nanofluid in a Heated Plate: Crosswise and Stream-wise Aspects. Arabian Journal for Science and Engineering, 2022, 47, 8351-8360.	3.0	12
28	Dual branch solutions (multi-solutions) for nonlinear radiative Falknerâ€™Skan flow of Maxwell nanomaterials with heat and mass transfer over a static/moving wedge. International Journal of Modern Physics C, 2021, 32, 2150130.	1.7	10
29	Dusty Nanoliquid Flow through a Stretching Cylinder in a Porous Medium with the Influence of the Melting Effect. Processes, 2022, 10, 1065.	2.8	7
30	Time-Dependent Stagnation Point Flow of Water Conveying Titanium Dioxide Nanoparticle Aggregation on Rotating Sphere Object Experiencing Thermophoresis Particle Deposition Effects. Energies, 2022, 15, 4424.	3.1	7
31	Impact of Buoyancy and Stagnation-Point Flow of Water Conveying Ag-MgO Hybrid Nanoparticles in a Vertical Contracting/Expanding Riga Wedge. Symmetry, 2022, 14, 1312.	2.2	6
32	Theoretical analysis of SWCNT- MWCNT/H ₂ O hybrid flow over an upward/downward moving rotating disk. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2021, 235, 97-106.	0.6	5
33	The physical impact of blowing, Soret and Dufour over an unsteady stretching surface immersed in a porous medium in the presence of ternary nanofluid. Heat Transfer, 0, , .	3.0	4
34	Impact of newtonian heating on dusty nanofluid flow over a riga plate embedded in porous medium. Waves in Random and Complex Media, 0, , 1-24.	2.7	2