

Naveen Kumar R

List of Publications by Year in descending order

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58
papers

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times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetized flow of sutterby nanofluid through cattaneo-christov theory of heat diffusion and stefan blowing condition. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 585-594.	3.1	55
2	Modeling and theoretical investigation on Casson nanofluid flow over a curved stretching surface with the influence of magnetic field and chemical reaction. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2022, 23, 12-19.	2.1	101
3	Carbon nanotubes suspended dusty nanofluid flow over stretching porous rotating disk with non-uniform heat source/sink. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2022, 23, 119-128.	2.1	42
4	Slip flow of Cassonâ€“Maxwell nanofluid confined through stretchable disks. <i>Indian Journal of Physics</i> , 2022, 96, 2041-2049.	1.8	73
5	Dynamics of thermal Marangoni stagnation point flow in dusty Casson nanofluid. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 707-715.	3.3	31
6	Unsteady mixed convection flow of magneto-Williamson nanofluid due to stretched cylinder with significant non-uniform heat source/sink features. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 195-206.	6.4	87
7	New modeling and analytical solution of fourth grade (non-Newtonian) fluid by a stretchable magnetized Riga device. <i>International Journal of Modern Physics C</i> , 2022, 33, .	1.7	18
8	Entropy generation on flow and heat transfer of a reactive MHD Sisko fluid through inclined walls with porous medium. <i>International Journal of Ambient Energy</i> , 2022, 43, 6307-6316.	2.5	12
9	Exploration of Temperature Distribution through a Longitudinal Rectangular Fin with Linear and Exponential Temperature-Dependent Thermal Conductivity Using DTM-Pade Approximant. <i>Symmetry</i> , 2022, 14, 690.	2.2	22
10	Soret and Dufour effects on Oldroyd-B fluid flow under the influences of convective boundary condition with Stefan blowing effect. <i>Indian Journal of Physics</i> , 2022, 96, 3881-3888.	1.8	7
11	Aspects of Uniform Horizontal Magnetic Field and Nanoparticle Aggregation in the Flow of Nanofluid with Melting Heat Transfer. <i>Nanomaterials</i> , 2022, 12, 1000.	4.1	40
12	Dynamics of thermosolutal Marangoni convection and nanoparticle aggregation effects on Oldroyd-B nanofluid past a porous boundary with homogeneous-heterogeneous catalytic reactions. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100458.	2.8	12
13	Cattaneoâ€“Christov heat flux model for nanofluid flow over a curved stretching sheet: An application of Stefan blowing. <i>Heat Transfer</i> , 2022, 51, 4977-4991.	3.0	25
14	A three-dimensional flow of an Oldroyd-B liquid with magnetic field and radiation effects: An application of thermophoretic particle deposition. <i>International Communications in Heat and Mass Transfer</i> , 2022, 134, 106007.	5.6	23
15	Heat transfer in dusty fluid with suspended hybrid nanoparticles over a melting surface. <i>Heat Transfer</i> , 2021, 50, 2150-2167.	3.0	78
16	Thermophoretic particle deposition in time-dependent flow of hybrid nanofluid over rotating and vertically upward/ downward moving disk. <i>Surfaces and Interfaces</i> , 2021, 22, 100864.	3.0	100
17	Hybrid nanofluid flow over a stretched cylinder with the impact of homogeneousâ€“heterogeneous reactions and Cattaneoâ€“Christov heat flux: Series solution and numerical simulation. <i>Heat Transfer</i> , 2021, 50, 3800-3821.	3.0	54
18	Impact of magnetic dipole on ferromagnetic hybrid nanofluid flow over a stretching cylinder. <i>Physica Scripta</i> , 2021, 96, 045215.	2.5	105

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19	Two-phase flow of dusty fluid with suspended hybrid nanoparticles over a stretching cylinder with modified Fourier heat flux. SN Applied Sciences, 2021, 3, 1.	2.9	63
20	Magnetohydrodynamic flow and heat transfer of a hybrid nanofluid over a rotating disk by considering Arrhenius energy. Communications in Theoretical Physics, 2021, 73, 045002.	2.5	97
21	Comprehensive study of thermophoretic diffusion deposition velocity effect on heat and mass transfer of ferromagnetic fluid flow along a stretching cylinder. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1479-1489.	2.5	53
22	Dynamics of multiple solutions of Darcy–Forchheimer saturated flow of Cross nanofluid by a vertical thin needle point. European Physical Journal Plus, 2021, 136, 1.	2.6	74
23	Analysis of modified Fourier law and melting heat transfer in a flow involving carbon nanotubes. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1259-1268.	2.5	38

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#	ARTICLE	IF	CITATIONS
37	KKL correlation for simulation of nanofluid flow over a stretching sheet considering magnetic dipole and chemical reaction. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000372.	1.6	41
38	Physical impact of thermo-diffusion and diffusion-thermo on Marangoni convective flow of hybrid nanofluid ($MnZnFe_2O_4$ - $NiZnFe_2O_4$ - H_2O) with nonlinear heat source/sink and radiative heat flux. Modern Physics Letters B, 2021, 35, 2141006.	1.9	52
39	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
40	Impact of magnetic dipole on thermophoretic particle deposition in the flow of Maxwell fluid over a stretching sheet. Journal of Molecular Liquids, 2021, 334, 116494.	4.9	76
41	Inspection of convective heat transfer and KKL correlation for simulation of nanofluid flow over a curved stretching sheet. International Communications in Heat and Mass Transfer, 2021, 126, 105445.	5.6	72
42	Irreversibility analysis in micropolar fluid film along an incline porous substrate with slip effects. International Communications in Heat and Mass Transfer, 2021, 126, 105357.	5.6	28
43	Effect of Magneto hydrodynamics on Heat Transfer Behaviour of a Non-Newtonian Fluid Flow over a Stretching Sheet under Local Thermal Non-Equilibrium Condition. Fluids, 2021, 6, 264.	1.7	121
44	Numerical study of bio-convection flow of magneto-cross nanofluid containing gyrotactic microorganisms with activation energy. Scientific Reports, 2021, 11, 16030.	3.3	88
45	Exploration of Arrhenius activation energy on hybrid nanofluid flow over a curved stretchable surface. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202100035.	1.6	44
46	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. Journal of Molecular Liquids, 2021, 335, 116103.	4.9	182
47	Exploring magnetic dipole contribution on ferromagnetic nanofluid flow over a stretching sheet: An application of Stefan blowing. Journal of Molecular Liquids, 2021, 335, 116215.	4.9	107
48	Significance of Stefan blowing effect on flow and heat transfer of Casson nanofluid over a moving thin needle. Communications in Theoretical Physics, 2021, 73, 095005.	2.5	36
49	Solar energy aspects of gyrotactic mixed bioconvection flow of nanofluid past a vertical thin moving needle influenced by variable Prandtl number. Chaos, Solitons and Fractals, 2021, 151, 111244.	5.1	56
50	Numerical simulation of carbon nanotubes nanofluid flow over vertically moving disk with rotation. Partial Differential Equations in Applied Mathematics, 2021, 4, 100124.	2.4	13
51	Impact of thermophoretic particle deposition on Glauert wall jet slip flow of nanofluid. Case Studies in Thermal Engineering, 2021, 28, 101404.	5.7	37
52	Numerical simulation of local thermal non-equilibrium effects on the flow and heat transfer of non-Newtonian Casson fluid in a porous media. Case Studies in Thermal Engineering, 2021, 28, 101483.	5.7	32
53	Exploring the impact of magnetic dipole on the radiative nanofluid flow over a stretching sheet by means of KKL model. Pramana - Journal of Physics, 2021, 95, 1.	1.8	71
54	Convective Flow of Second Grade Fluid Over a Curved Stretching Sheet with Dufour and Soret Effects. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	26

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55	Evaluation of heat and mass transfer in ferromagnetic fluid flow over a stretching sheet with combined effects of thermophoretic particle deposition and magnetic dipole. Waves in Random and Complex Media, 0, , 1-19.	2.7	15
56	Impact of Hall current and homogenousâ€“heterogenous reactions on MHD flow of GO-MoS ₂ /water (H ₂ O)-ethylene glycol (C ₂ H ₆ O ₂) hybrid nanofluid past a vertical stretching surface. Waves in Random and Complex Media, 0, , 1-18.	2.7	48
57	Effect of thermal radiation on heat transfer in plane wall jet flow of Casson nanofluid with suction subject to a slip boundary condition. Waves in Random and Complex Media, 0, , 1-18.	2.7	20
58	Blasius and Sakiadis flow of a Casson hybrid nanofluid over a moving plate. Waves in Random and Complex Media, 0, , 1-18.	2.7	11