

Amar Rauf

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Non-Newtonian fluid flow having fluid-particle interaction through a porous zone in a channel with permeable walls. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 1163-1175.	1.0	2
3	Magnetized flow of sutterby nanofluid through cattaneo-christov theory of heat diffusion and stefan blowing condition. Applied Nanoscience (Switzerland), 2023, 13, 585-594.	3.1	55
4	Dynamics of slip phenomenon in micropolar nanofluid flowing over a stretchable disk with Arrhenius activation energy. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 1158-1167.	2.5	2
5	Forced convective micropolar fluid flow through stretchable disk with thermophoresis. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3889-3900.	3.6	2
6	Slip flow of Casson-Maxwell nanofluid confined through stretchable disks. Indian Journal of Physics, 2022, 96, 2041-2049.	1.8	73
7	Bayesian and Numerical Techniques for Non-Newtonian Bårdewadt Nanofluid Flow Above a Stretchable Stationary Disk. Arabian Journal for Science and Engineering, 2022, 47, 15931-15945.	3.0	1
8	Double-diffusive Cattaneo-Christov squeezing flow of micropolar fluid. Journal of Thermal Analysis and Calorimetry, 2021, 143, 445-454.	3.6	11
9	Rheological features of non-Newtonian nanofluids flows induced by stretchable rotating disk. Physica Scripta, 2021, 96, 035210.	2.5	38
10	Impacts of Stefan blowing and mass convention on flow of Maxwell nanofluid of variable thermal conductivity about a rotating disk. Chinese Journal of Physics, 2021, 71, 260-272.	3.9	47
11	Nonsimilar boundary layer flow of Cross fluid induced by a heated stretched sheet. Heat Transfer, 2021, 50, 7065-7078.	3.0	4
12	Numerical and statistical approach for Casson-Maxwell nanofluid flow with Cattaneo-Christov theory. Applied Mathematics and Mechanics (English Edition), 2021, 42, 1063-1076.	3.6	14
13	Dynamics of Sutterby fluid flow due to a spinning stretching disk with non-Fourier/Fick heat and mass flux models. Applied Mathematics and Mechanics (English Edition), 2021, 42, 1247-1258.	3.6	24
14	A revised Cattaneo-Christov micropolar viscoelastic nanofluid model with combined porosity and magnetic effects. Applied Mathematics and Mechanics (English Edition), 2020, 41, 521-532.	3.6	44
15	Characterization of temperature-dependent fluid properties in compressible viscous fluid flow induced by oscillation of disk. Chaos, Solitons and Fractals, 2020, 132, 109573.	5.1	13
16	Bioconvection of Maxwell nanofluid under the influence of double diffusive Cattaneo-Christov theories over isolated rotating disk. Physica Scripta, 2020, 95, 045207.	2.5	50
17	Dynamics of bioconvection flow of micropolar nanoparticles with Cattaneo-Christov expressions. Applied Mathematics and Mechanics (English Edition), 2020, 41, 1333-1344.	3.6	14
18	Heat transport analysis of aluminum alloy and magnetite graphene oxide through permeable cylinder with heat source/sink. Physica Scripta, 2020, 95, 095203.	2.5	34

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19	Effectiveness of Hall current and thermophysical properties in compressible flow of viscous fluid thorough spinning oscillatory disk. International Communications in Heat and Mass Transfer, 2020, 116, 104678.	5.6	14
20	Effects of injection and suction on time dependent flow across oscillatory disk. Physica Scripta, 2020, 95, 085214.	2.5	2
21	Forced convective Maxwell fluid flow through rotating disk under the thermophoretic particles motion. International Communications in Heat and Mass Transfer, 2020, 116, 104693.	5.6	52
22	Thermophoretic particles deposition in time-dependent magneto flow over oscillatory spinning disk. Physica Scripta, 2020, 95, 105218.	2.5	9
23	Finite difference approach and successive over relaxation (SOR) method for MHD micropolar fluid with Maxwell's Cattaneo law and porous medium. Physica Scripta, 2019, 94, 115228.	2.5	19
24	Magnetohydrodynamics slip flow of a nanofluid through an oscillatory disk under porous medium supremacy. Heat Transfer - Asian Research, 2019, 48, 3446-3465.	2.8	8
25	Unsteady three-dimensional MHD flow of the micropolar fluid over an oscillatory disk with Cattaneo-Christov double diffusion. Applied Mathematics and Mechanics (English Edition), 2019, 40, 1471-1486.	3.6	18
26	Slip flow of hydromagnetic micropolar nanofluid between two disks with characterization of porous medium. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	14
27	Utilization of Maxwell-Cattaneo law for MHD swirling flow through oscillatory disk subject to porous medium. Applied Mathematics and Mechanics (English Edition), 2019, 40, 837-850.	3.6	29
28	Interactions of Active and Passive Control of Nanoparticles on Radiative Magnetohydrodynamics Flow of Nanofluid Over Oscillatory Rotating Disk in Porous Medium. Journal of Nanofluids, 2019, 8, 1385-1396.	2.7	18
29	CHEMICALLY REACTIVE HYDROMAGNETIC FLOW OVER A STRETCHABLE OSCILLATORY ROTATING DISK WITH THERMAL RADIATION AND HEAT SOURCE/SINK: A NUMERICAL STUDY. Heat Transfer Research, 2019, 50, 1495-1512.	1.6	5
30	Numerical computations on flow and heat transfer of Casson fluid due to oscillatory moving surface. Thermal Science, 2019, 23, 3365-3377.	1.1	10
31	Nonlinear radiated MHD flow of nanoliquids due to a rotating disk with irregular heat source and heat flux condition. Physica B: Condensed Matter, 2018, 537, 98-104.	2.7	77
32	Numerical simulation of chemically reactive Powell-Eyring liquid flow with double diffusive Cattaneo-Christov heat and mass flux theories. Applied Mathematics and Mechanics (English Edition), 2018, 39, 467-476.	3.6	20
33	Thermally and solutally convective radiation in MHD stagnation point flow of micropolar nanofluid over a shrinking sheet. AEJ - Alexandria Engineering Journal, 2018, 57, 963-971.	6.4	20
34	INTERACTION OF CONVECTIVE AND NIELD'S KUZNETSOV'S CONDITIONS IN HYDROMAGNETIC FLOW OF NANOFLUID SUBJECT TO DARCY'S FORCHHEIMER EFFECTS. Journal of Porous Media, 2017, 20, 989-998.	1.9	4
35	Mixed convective thermally radiative micro nanofluid flow in a stretchable channel with porous medium and magnetic field. AIP Advances, 2016, 6, 035126.	1.3	10
36	Influence of convective conditions on three dimensional mixed convective hydromagnetic boundary layer flow of Casson nanofluid. Journal of Magnetism and Magnetic Materials, 2016, 416, 200-207.	2.3	41