

Amar Rauf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7958961/publications.pdf>

Version: 2024-02-01

36
papers

814
citations

516710

16
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear radiated MHD flow of nanoliquids due to a rotating disk with irregular heat source and heat flux condition. <i>Physica B: Condensed Matter</i> , 2018, 537, 98-104.	2.7	77
2	Slip flow of Cassonâ€“Maxwell nanofluid confined through stretchable disks. <i>Indian Journal of Physics</i> , 2022, 96, 2041-2049.	1.8	73
3	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
4	Forced convective Maxwell fluid flow through rotating disk under the thermophoretic particles motion. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104693.	5.6	52
5	Bioconvection of Maxwell nanofluid under the influence of double diffusive Cattaneoâ€“Christov theories over isolated rotating disk. <i>Physica Scripta</i> , 2020, 95, 045207.	2.5	50
6	Impacts of Stefan blowing and mass convention on flow of Maxwell nanofluid of variable thermal conductivity about a rotating disk. <i>Chinese Journal of Physics</i> , 2021, 71, 260-272.	3.9	47
7	A revised Cattaneo-Christov micropolar viscoelastic nanofluid model with combined porosity and magnetic effects. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 521-532.	3.6	44
8	Influence of convective conditions on three dimensional mixed convective hydromagnetic boundary layer flow of Casson nanofluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 200-207.	2.3	41
9	Rheological features of non-Newtonian nanofluids flows induced by stretchable rotating disk. <i>Physica Scripta</i> , 2021, 96, 035210.	2.5	38
10	Heat transport analysis of aluminum alloy and magnetite graphene oxide through permeable cylinder with heat source/sink. <i>Physica Scripta</i> , 2020, 95, 095203.	2.5	34
11	Utilization of Maxwell-Cattaneo law for MHD swirling flow through oscillatory disk subject to porous medium. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 837-850.	3.6	29
12	Dynamics of Sutterby fluid flow due to a spinning stretching disk with non-Fourier/Fick heat and mass flux models. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1247-1258.	3.6	24
13	Numerical simulation of chemically reactive Powell-Eyring liquid flow with double diffusive Cattaneo-Christov heat and mass flux theories. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018, 39, 467-476.	3.6	20
14	Thermally and solutally convective radiation in MHD stagnation point flow of micropolar nanofluid over a shrinking sheet. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 963-971.	6.4	20
15	Finite difference approach and successive over relaxation (SOR) method for MHD micropolar fluid with Maxwellâ€“Cattaneo law and porous medium. <i>Physica Scripta</i> , 2019, 94, 115228.	2.5	19
16	Unsteady three-dimensional MHD flow of the micropolar fluid over an oscillatory disk with Cattaneo-Christov double diffusion. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 1471-1486.	3.6	18
17	Interactions of Active and Passive Control of Nanoparticles on Radiative Magnetohydrodynamics Flow of Nanofluid Over Oscillatory Rotating Disk in Porous Medium. <i>Journal of Nanofluids</i> , 2019, 8, 1385-1396.	2.7	18
18	Ternary nanofluid with heat source/sink and porous medium effects in stretchable convergent/divergent channel. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2024, 238, 134-143.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Slip flow of hydromagnetic micropolar nanofluid between two disks with characterization of porous medium. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	14
20	Dynamics of bioconvection flow of micropolar nanoparticles with Cattaneo-Christov expressions. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 1333-1344.	3.6	14
21	Effectiveness of Hall current and thermophysical properties in compressible flow of viscous fluid through spinning oscillatory disk. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104678.	5.6	14
22	Numerical and statistical approach for Casson-Maxwell nanofluid flow with Cattaneo-Christov theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1063-1076.	3.6	14
23	Characterization of temperature-dependent fluid properties in compressible viscous fluid flow induced by oscillation of disk. <i>Chaos, Solitons and Fractals</i> , 2020, 132, 109573.	5.1	13
24	Double-diffusive Cattaneo-Christov squeezing flow of micropolar fluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 445-454.	3.6	11
25	Mixed convective thermally radiative micro nanofluid flow in a stretchable channel with porous medium and magnetic field. <i>AIP Advances</i> , 2016, 6, 035126.	1.3	10
26	Numerical computations on flow and heat transfer of Casson fluid due to oscillatory moving surface. <i>Thermal Science</i> , 2019, 23, 3365-3377.	1.1	10
27	Thermophoretic particles deposition in time-dependent magneto flow over oscillatory spinning disk. <i>Physica Scripta</i> , 2020, 95, 105218.	2.5	9
28	Magnetohydrodynamics slip flow of a nanofluid through an oscillatory disk under porous medium supremacy. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3446-3465.	2.8	8
29	CHEMICALLY REACTIVE HYDROMAGNETIC FLOW OVER A STRETCHABLE OSCILLATORY ROTATING DISK WITH THERMAL RADIATION AND HEAT SOURCE/SINK: A NUMERICAL STUDY. <i>Heat Transfer Research</i> , 2019, 50, 1495-1512.	1.6	5
30	Nonsimilar boundary layer flow of Cross fluid induced by a heated stretched sheet. <i>Heat Transfer</i> , 2021, 50, 7065-7078.	3.0	4
31	INTERACTION OF CONVECTIVE AND NIELD-KUZNETSOV'S CONDITIONS IN HYDROMAGNETIC FLOW OF NANOFLUID SUBJECT TO DARCY-FORCHHEIMER EFFECTS. <i>Journal of Porous Media</i> , 2017, 20, 989-998.	1.9	4
32	Effects of injection and suction on time dependent flow across oscillatory disk. <i>Physica Scripta</i> , 2020, 95, 085214.	2.5	2
33	Forced convective micropolar fluid flow through stretchable disk with thermophoresis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3889-3900.	3.6	2
34	Non-Newtonian fluid flow having fluid-particle interaction through a porous zone in a channel with permeable walls. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2023, 24, 1163-1175.	1.0	2
35	Dynamics of slip phenomenon in micropolar nanofluid flowing over a stretchable disk with Arrhenius activation energy. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 1158-1167.	2.5	2
36	Bayesian and Numerical Techniques for Non-Newtonian Bårdewadt Nanofluid Flow Above a Stretchable Stationary Disk. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 15931-15945.	3.0	1