

Liaqat Ali

List of Publications by Year in descending order

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25
papers

1,151
citations

361413

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580821

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docs citations

25
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Melting effect on Cattaneo-Christov and thermal radiation features for aligned MHD nanofluid flow comprising microorganisms to leading edge: FEM approach. Computers and Mathematics With Applications, 2022, 109, 260-269.	2.7	105
2	Finite Element Simulation of Multi-Slip Effects on Unsteady MHD Bioconvective Micropolar Nanofluid Flow Over a Sheet with Solutal and Thermal Convective Boundary Conditions. Coatings, 2019, 9, 842.	2.6	99
3	Finite Element Analysis of Thermo-Diffusion and Multi-Slip Effects on MHD Unsteady Flow of Casson Nano-Fluid over a Shrinking/Stretching Sheet with Radiation and Heat Source. Applied Sciences (Switzerland), 2019, 9, 5217.	2.5	79
4	A comparative study of unsteady MHD Falkner-Skan wedge flow for non-Newtonian nanofluids considering thermal radiation and activation energy. Chinese Journal of Physics, 2022, 77, 1625-1638.	3.9	75
5	Thermo-Diffusion and Multislip Effects on MHD Mixed Convection Unsteady Flow of Micropolar Nanofluid over a Shrinking/Stretching Sheet with Radiation in the Presence of Heat Source. Symmetry, 2020, 12, 49.	2.2	69
6	Analysis of bio-convective MHD Blasius and Sakiadis flow with Cattaneo-Christov heat flux model and chemical reaction. Chinese Journal of Physics, 2022, 77, 1963-1975.	3.9	63
7	Analysis of Magnetic Properties of Nano-Particles Due to a Magnetic Dipole in Micropolar Fluid Flow over a Stretching Sheet. Coatings, 2020, 10, 170.	2.6	60
8	A comparative description on time-dependent rotating magnetic transport of a water base liquid hybrid nano-materials Al ₂ O ₃ with	3.9	55
9	Finite element simulation of bioconvection and cattaneo-Christov effects on micropolar based nanofluid flow over a vertically stretching sheet. Chinese Journal of Physics, 2020, 68, 654-670.	3.9	49
10	A Finite Element Simulation of the Active and Passive Controls of the MHD Effect on an Axisymmetric Nanofluid Flow with Thermo-Diffusion over a Radially Stretched Sheet. Processes, 2020, 8, 207.	2.8	47
11	The function of nanoparticle's diameter and Darcy-Forchheimer flow over a cylinder with effect of magnetic field and thermal radiation. Case Studies in Thermal Engineering, 2021, 28, 101392.	5.7	46
12	The numerical simulation of nanoparticle size and thermal radiation with the magnetic field effect based on tangent hyperbolic nanofluid flow. Case Studies in Thermal Engineering, 2022, 37, 102247.	5.7	46
13	Finite Element Study for Magnetohydrodynamic (MHD) Tangent Hyperbolic Nanofluid Flow over a Faster/Slower Stretching Wedge with Activation Energy. Mathematics, 2021, 9, 25.	2.2	40
14	The Impact of Nanoparticles Due to Applied Magnetic Dipole in Micropolar Fluid Flow Using the Finite Element Method. Symmetry, 2020, 12, 520.	2.2	36
15	Magnetic Dipole and Thermal Radiation Impacts on Stagnation Point Flow of Micropolar Based Nanofluids over a Vertically Stretching Sheet: Finite Element Approach. Processes, 2021, 9, 1089.	2.8	36
16	Significance of Lorentz and Coriolis forces on dynamics of water based silver tiny particles via finite element simulation. Ain Shams Engineering Journal, 2022, 13, 101572.	6.1	36
17	Finite Element Analysis of Variable Viscosity Impact on MHD Flow and Heat Transfer of Nanofluid Using the Cattaneo-Christov Model. Coatings, 2020, 10, 395.	2.6	34
18	G-jitter impact on magnetohydrodynamic non-Newtonian fluid over an inclined surface: Finite element simulation. Chinese Journal of Physics, 2021, 71, 479-491.	3.9	33

#	ARTICLE	IF	CITATIONS
19	Significance of Brownian motion and thermophoresis influence on dynamics of Reiner-Rivlin fluid over a disk with non-Fourier heat flux theory and gyrotactic microorganisms: A Numerical approach. <i>Physica Scripta</i> , 2021, 96, 094001.	2.5	30
20	Implications of bioconvection and activation energy on Reiner-Rivlin nanofluid transportation over a disk in rotation with partial slip. <i>Chinese Journal of Physics</i> , 2021, 73, 672-683.	3.9	29
21	Finite element analysis of unsteady MHD Blasius and Sakiadis flow with radiation and thermal convection using Cattaneo-Christov heat flux model. <i>Physica Scripta</i> , 2021, 96, 125219.	2.5	25
22	MHD Boundary Layer Flow and Heat Transfer of Nano fluid over a Vertical Stretching Sheet in the Presence of a Heat Source. <i>Scientific Inquiry and Review</i> , 2019, 3, 60-73.	0.2	22
23	Insight into significance of thermal stratification and radiation on dynamics of micropolar water based TiO ₂ nanoparticle via finite element simulation. <i>Journal of Materials Research and Technology</i> , 2022, 19, 4209-4219.	5.8	22
24	Buoyancy Effect on MHD Slip Flow and Heat Transfer of a Nanofluid Flow Over a Vertical Porous Plate. <i>Scientific Inquiry and Review</i> , 2019, 4, 1-16.	0.2	10
25	Boger nanofluid: significance of Coriolis and Lorentz forces on dynamics of rotating fluid subject to suction/injection via finite element simulation. <i>Scientific Reports</i> , 2022, 12, 1612.	3.3	5