

# Liaqat Ali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3113623/publications.pdf>

Version: 2024-02-01

25  
papers

1,151  
citations

361413

20  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance of Lorentz and Coriolis forces on dynamics of water based silver tiny particles via finite element simulation. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101572.	6.1	36
2	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
3	Melting effect on Cattaneo-Christov and thermal radiation features for aligned MHD nanofluid flow comprising microorganisms to leading edge: FEM approach. <i>Computers and Mathematics With Applications</i> , 2022, 109, 260-269.	2.7	105
4	A comparative study of unsteady MHD Falkner-Skan wedge flow for non-Newtonian nanofluids considering thermal radiation and activation energy. <i>Chinese Journal of Physics</i> , 2022, 77, 1625-1638.	3.9	75
5	Analysis of bio-convective MHD Blasius and Sakiadis flow with Cattaneo-Christov heat flux model and chemical reaction. <i>Chinese Journal of Physics</i> , 2022, 77, 1963-1975.	3.9	63
6	Insight into significance of thermal stratification and radiation on dynamics of micropolar water based TiO <sub>2</sub> nanoparticle via finite element simulation. <i>Journal of Materials Research and Technology</i> , 2022, 19, 4209-4219.	5.8	22
7	The numerical simulation of nanoparticle size and thermal radiation with the magnetic field effect based on tangent hyperbolic nanofluid flow. <i>Case Studies in Thermal Engineering</i> , 2022, 37, 102247.	5.7	46
8	A comparative description on time-dependent rotating magnetic transport of a water base liquid hybrid nano-materials Al <sub>2</sub> O <sub>3</sub> with 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.	3.9	55
9	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
10	Magnetic Dipole and Thermal Radiation Impacts on Stagnation Point Flow of Micropolar Based Nanofluids over a Vertically Stretching Sheet: Finite Element Approach. <i>Processes</i> , 2021, 9, 1089.	2.8	36
11	G-jitter impact on magnetohydrodynamic non-Newtonian fluid over an inclined surface: Finite element simulation. <i>Chinese Journal of Physics</i> , 2021, 71, 479-491.	3.9	33
12	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
13	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
14	The function of nanoparticle's diameter and Darcy-Forchheimer flow over a cylinder with effect of magnetic field and thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101392.	5.7	46
15	Finite Element Study for Magnetohydrodynamic (MHD) Tangent Hyperbolic Nanofluid Flow over a Faster/Slower Stretching Wedge with Activation Energy. <i>Mathematics</i> , 2021, 9, 25.	2.2	40
16	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. <i>Symmetry</i> , 2020, 12, 49.	2.2	69
17	Finite element simulation of bioconvection and cattaneo-Christov effects on micropolar based nanofluid flow over a vertically stretching sheet. <i>Chinese Journal of Physics</i> , 2020, 68, 654-670.	3.9	49
18	Analysis of Magnetic Properties of Nano-Particles Due to a Magnetic Dipole in Micropolar Fluid Flow over a Stretching Sheet. <i>Coatings</i> , 2020, 10, 170.	2.6	60

#	ARTICLE	IF	CITATIONS
19	Finite Element Analysis of Variable Viscosity Impact on MHD Flow and Heat Transfer of Nanofluid Using the Cattaneo–Christov Model. <i>Coatings</i> , 2020, 10, 395.	2.6	34
20	The Impact of Nanoparticles Due to Applied Magnetic Dipole in Micropolar Fluid Flow Using the Finite Element Method. <i>Symmetry</i> , 2020, 12, 520.	2.2	36
21	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. <i>Processes</i> , 2020, 8, 207.	2.8	47
22	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. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5217.	2.5	79
23	Finite Element Simulation of Multi-Slip Effects on Unsteady MHD Bioconvective Micropolar Nanofluid Flow Over a Sheet with Solutal and Thermal Convective Boundary Conditions. <i>Coatings</i> , 2019, 9, 842.	2.6	99
24	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
25	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