

# Ghulam Rasool

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5210524/publications.pdf>

Version: 2024-02-01

47  
papers

2,076  
citations

236925

25  
h-index

265206

42  
g-index

47  
all docs

47  
docs citations

47  
times ranked

807  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Entropy Generation and Consequences of Binary Chemical Reaction on MHD Darcy–Forchheimer Williamson Nanofluid Flow Over Non-Linearly Stretching Surface. <i>Entropy</i> , 2020, 22, 18.  | 2.2 | 173       |
| 2  | Numerical spectral examination of EMHD mixed convective flow of second-grade nanofluid towards a vertical Riga plate using an advanced version of the revised Buongiorno’s nanofluid model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2379-2393.                                   | 3.6 | 121       |
| 3  | Magnetohydrodynamic Darcy–Forchheimer nanofluid flow over a nonlinear stretching sheet. <i>Physica Scripta</i> , 2019, 94, 105221.   | 2.5 | 90        |
| 4  | Statistical modeling for bioconvective tangent hyperbolic nanofluid towards stretching surface with zero mass flux condition. <i>Scientific Reports</i> , 2021, 11, 13869.   | 3.3 | 83        |
| 5  | Second Grade Bioconvective Nanofluid Flow with Buoyancy Effect and Chemical Reaction. <i>Symmetry</i> , 2020, 12, 621.   | 2.2 | 81        |
| 6  | Significance of Thermal Slip and Convective Boundary Conditions in Three Dimensional Rotating Darcy-Forchheimer Nanofluid Flow. <i>Symmetry</i> , 2020, 12, 741.   | 2.2 | 79        |
| 7  | Entropy Generation and Consequences of MHD in Darcy–Forchheimer Nanofluid Flow Bounded by Non-Linearly Stretching Surface. <i>Symmetry</i> , 2020, 12, 652.  | 2.2 | 76        |
| 8  | Numerical Scrutinization of Darcy-Forchheimer Relation in Convective Magnetohydrodynamic Nanofluid Flow Bounded by Nonlinear Stretching Surface in the Perspective of Heat and Mass Transfer. <i>Micromachines</i> , 2021, 12, 374.  | 2.9 | 70        |
| 9  | Second grade nanofluidic flow past a convectively heated vertical Riga plate. <i>Physica Scripta</i> , 2019, 94, 125212.   | 2.5 | 69        |
| 10 | Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. <i>Propulsion and Power Research</i> , 2020, 9, 159-168.  | 4.3 | 69        |
| 11 | Significance of variability in magnetic field strength and heat source on the radiative-convective motion of sodium alginate-based nanofluid within a Darcy-Brinkman porous structure bounded vertically by an irregular slender surface. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101428. | 5.7 | 69        |
| 12 | Darcy-Forchheimer nanofluidic flow manifested with Cattaneo-Christov theory of heat and mass flux over non-linearly stretching surface. <i>PLoS ONE</i> , 2019, 14, e0221302.  | 2.5 | 67        |
| 13 | Characteristics of chemical reaction and convective boundary conditions in Powell-Eyring nanofluid flow along a radiative Riga plate. <i>Heliyon</i> , 2019, 5, e01479.  | 3.2 | 66        |
| 14 | Numerical investigation of EMHD nanofluid flows over a convectively heated riga pattern positioned horizontally in a Darcy-Forchheimer porous medium: application of passive control strategy and generalized transfer laws. <i>Waves in Random and Complex Media</i> , 0, , 1-20.                       | 2.7 | 65        |
| 15 | Consequences of Soret–Dufour Effects, Thermal Radiation, and Binary Chemical Reaction on Darcy Forchheimer Flow of Nanofluids. <i>Symmetry</i> , 2020, 12, 1421.   | 2.2 | 60        |
| 16 | Influence of Single- and Multi-Wall Carbon Nanotubes on Magnetohydrodynamic Stagnation Point Nanofluid Flow over Variable Thicker Surface with Concave and Convex Effects. <i>Mathematics</i> , 2020, 8, 104.  | 2.2 | 60        |
| 17 | On the MHD Casson Axisymmetric Marangoni Forced Convective Flow of Nanofluids. <i>Mathematics</i> , 2019, 7, 1087.   | 2.2 | 54        |
| 18 | Finite Element Study of Magnetohydrodynamics (MHD) and Activation Energy in Darcy–Forchheimer Rotating Flow of Casson Carreau Nanofluid. <i>Processes</i> , 2020, 8, 1185.   | 2.8 | 51        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Significance of Rosseland's Radiative Process on Reactive Maxwell Nanofluid Flows over an Isothermally Heated Stretching Sheet in the Presence of Darcy's Forchheimer and Lorentz Forces: Towards a New Perspective on Buongiorno's Model. <i>Micromachines</i> , 2022, 13, 368.                                      | 2.9 | 51        |
| 20 | Thermally Enhanced Darcy-Forchheimer Casson-Water/Glycerine Rotating Nanofluid Flow with Uniform Magnetic Field. <i>Micromachines</i> , 2021, 12, 605.  | 2.9 | 44        |
| 21 | Influence of Chemical Reaction on Marangoni Convective Flow of Nanofluid in the Presence of Lorentz Forces and Thermal Radiation: A Numerical Investigation. <i>Journal of Advances in Nanotechnology</i> , 2018, 1, 32-49.   | 3.2 | 39        |
| 22 | Darcy-Forchheimer Flow of Water Conveying Multi-Walled Carbon Nanoparticles through a Vertical Cleveland Z-Staggered Cavity Subject to Entropy Generation. <i>Micromachines</i> , 2022, 13, 744.  | 2.9 | 39        |
| 23 | Analyzing the interaction of hybrid base liquid $C_2H_6O_2-H_2O$ with hybrid nano-material $Ag-MoS_2$ for unsteady rotational flow referred to an elongated surface using modified Buongiorno's model: FEM simulation. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 57-74.                             | 4.4 | 37        |
| 24 | Marangoni Effect in Second Grade Forced Convective Flow of Water Based Nanofluid. <i>Journal of Advances in Nanotechnology</i> , 2018, 1, 50-61.  | 3.2 | 35        |
| 25 | Significance of Double Stratification in Stagnation Point Flow of Third-Grade Fluid towards a Radiative Stretching Cylinder. <i>Mathematics</i> , 2019, 7, 1103.  | 2.2 | 34        |
| 26 | Numerical analysis of heat and mass transfer in micropolar nanofluids flow through lid driven cavity: Finite volume approach. <i>Case Studies in Thermal Engineering</i> , 2022, 37, 102233.  | 5.7 | 34        |
| 27 | Optimal Homotopic Exploration of Features of Cattaneo-Christov Model in Second Grade Nanofluid Flow via Darcy-Forchheimer Medium Subject to Viscous Dissipation and Thermal Radiation. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 2485-2497.  | 1.1 | 28        |
| 28 | Interannual Variability of Air Temperature over Myanmar: The Influence of ENSO and IOD. <i>Climate</i> , 2021, 9, 35.   | 2.8 | 26        |
| 29 | Double-stratified Marangoni boundary layer flow of Casson nanofluid: probable error application. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6913-6929.   | 3.6 | 26        |
| 30 | Marangoni convective nanofluid flow over an electromagnetic actuator in the presence of first-order chemical reaction. <i>Heat Transfer - Asian Research</i> , 2020, 49, 274-288.   | 2.8 | 25        |
| 31 | Numerical exploration of the features of thermally enhanced chemically reactive radiative Powell's Eyring nanofluid flow via Darcy medium over non-linearly stretching surface affected by a transverse magnetic field and convective boundary conditions. <i>Applied Nanoscience (Switzerland)</i> , 2020, 11, 1-11. | 3.1 | 24        |
| 32 | Numerical Investigation of Mixed Convective Williamson Fluid Flow Over an Exponentially Stretching Permeable Curved Surface. <i>Fluids</i> , 2021, 6, 260.  | 1.7 | 24        |
| 33 | MHD squeezed Darcy's Forchheimer nanofluid flow between two distance apart horizontal plates. <i>Open Physics</i> , 2020, 18, 1100-1107.  | 1.7 | 24        |
| 34 | Kinetic and Thermal Study of Ethylene and Propylene Homo Polymerization Catalyzed by ansa-Zirconocene Activated with Alkylaluminum/Borate: Effects of Alkylaluminum on Polymerization Kinetics and Polymer Structure. <i>Polymers</i> , 2021, 13, 268.  | 4.5 | 23        |
| 35 | Darcy-Forchheimer relation in Magneto hydrodynamic Jeffrey nanofluid flow over stretching surface. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 2497.  | 1.1 | 23        |
| 36 | Steady-State Conduction Current Performance for Multilayer Polyimide/SiO <sub>2</sub> Films. <i>Polymers</i> , 2021, 13, 640.   | 4.5 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Significance of Darcy-Forchheimer and Lorentz forces on radiative alumina-water nanofluid flows over a slippery curved geometry under multiple convective constraints: a renovated Buongiorno's model with validated thermophysical correlations. <i>Waves in Random and Complex Media</i> , 0, , 1-30. | 2.7 | 19        |
| 38 | Comparison of empirical models using experimental results of electrical submersible pump under two-phase flow: numerical and empirical model validation. <i>Physica Scripta</i> , 2022, 97, 065209.   | 2.5 | 14        |
| 39 | Development of novel hybrid 2D-3D graphene oxide diamond micro composite polyimide films to ameliorate electrical & thermal conduction. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 114, 108-114.  | 5.8 | 12        |
| 40 | EM-Wave Diffraction by a Finite Plate with Dirichlet Conditions in the Ionosphere of Cold Plasma. <i>Physics of Wave Phenomena</i> , 2018, 26, 342-350.   | 1.1 | 11        |
| 41 | Entropy Generation in 2D Lid-Driven Porous Container with the Presence of Obstacles of Different Shapes and under the Influences of Buoyancy and Lorentz Forces. <i>Nanomaterials</i> , 2022, 12, 2206.   | 4.1 | 11        |
| 42 | Marangoni forced convective Casson type nanofluid flow in the presence of Lorentz force generated by Riga plate. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 2517.  | 1.1 | 10        |
| 43 | Consequences of Fourier's and Fick's laws in bioconvective couple stress nanofluid flow configured by an inclined stretchable cylinder. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150176.   | 2.0 | 9         |
| 44 | Thermosoluted Marangoni convective flow towards a permeable Riga surface. <i>Open Physics</i> , 2020, 18, 535-544.  | 1.7 | 9         |
| 45 | Voltage Stability Index Using New Single-Port Equivalent Based on Component Peculiarity and Sensitivity Persistence. <i>Processes</i> , 2021, 9, 1849.  | 2.8 | 9         |
| 46 | DC Breakdown of XLPE Modulated by Space Charge and Temperature Dependent Carrier Mobility. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 1514-1522.   | 2.9 | 9         |
| 47 | Numerical simulations of reaction-diffusion equations modeling prey-predator interaction with delay. <i>International Journal of Biomathematics</i> , 2018, 11, 1850054.  | 2.9 | 5         |