# Ikram Ullah

List of Publications by Year
in descending order



| 64 | 1,599 | 304743 22 | 395702 33 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 64 | 64 | 64 | 597 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chemical reaction and thermal characteristiecs of Maxwell nanofluid flow-through solar collector as a potential solar energy cooling application: A modified Buongiorno's model. Energy and Environment, 2023, 34, 1409-1432. | 4.6 | 19 |
| 2 | The solution of twelfth order boundary value problems by the improved residual power series method: new approach. International Journal of Modelling and Simulation, 2023, 43, 64-74. | 3.3 | 5 |
| 3 | Numerical simulation for 3D rotating flow of nanofluid with entropy generation. International Journal of Modelling and Simulation, 2023, 43, 101-122. | 3.3 | 10 |
| 4 | Optimization of entropy production in flow of hybrid nanomaterials through Darcyâ€“Forchheimer porous space. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5855-5864. | 3.6 | 39 |
| 5 | Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. Thermal Science, 2022, 26, 1405-1419. | 1.1 | 14 |
| 6 | Theoretical Analysis of Activation Energy Effect on Prandtlâ€“Eyring Nanoliquid Flow Subject to Melting Condition. Journal of Non-Equilibrium Thermodynamics, 2022, 47, 1-12. | 4.2 | 27 |
| 7 | Thin film flow of carreau nanofluid over a stretching surface with magnetic field: Numerical treatment with intelligent computing paradigm. International Journal of Modern Physics B, 2022, 36, . | 2.0 | 7 |
| 8 | Heat transfer enhancement in Marangoni convection and nonlinear radiative flow of gasoline oil conveying Boehmite alumina and aluminum alloy nanoparticles. International Communications in Heat and Mass Transfer, 2022, 132, 105920. | 5.6 | 70 |
| 9 | Significance of Entropy Generation and the Coriolis Force on the Three-Dimensional Non-Darcy Flow of Ethylene-Glycol Conveying Carbon Nanotubes (SWCNTs and MWCNTs). Journal of Non-Equilibrium Thermodynamics, 2022, 47, 61-75. | 4.2 | 52 |
| 10 | A Novel Image Encryption Scheme Based on Elliptic Curves over Finite Rings. Entropy, 2022, 24, 571. | 2.2 | 12 |
| 11 | Thermodynamic of Ion-slip and magnetized peristalsis channel flow of PTT fluid by considering Lorentz force and Joule heating. International Communications in Heat and Mass Transfer, 2022, 136, 106163. | 5.6 | 8 |
| 12 | Nonlinear Mixed Convection Impact on Radiated Flow of Nanomaterials Subject to Convective Conditions. Arabian Journal for Science and Engineering, 2021, 46, 2349-2359. | 3.0 | 10 |
| 13 | On MHD convective flow of Williamson fluid with homogeneous-heterogeneous reactions: A comparative study of sheet and cylinder. International Communications in Heat and Mass Transfer, 2021, 120, 105060. | 5.6 | 21 |
| 14 | Numerical treatment of melting heat transfer and entropy generation in stagnation point flow of hybrid nanomaterials (SWCNT-MWCNT/engine oil). Modern Physics Letters B, 2021, 35, 2150102. | 1.9 | 21 |
| 15 | Entropy Optimization in Nonlinear Mixed Convective Flow of Nanomaterials Through Porous Space. Journal of Non-Equilibrium Thermodynamics, 2021, 46, 191-203. | 4.2 | 15 |
| 16 | Insight into kerosene conveying CNTs and Fe3O4 nanoparticles through a porous medium: significance of Coriolis force and entropy generation. Physica Scripta, 2021, 96, 055705. | 2.5 | 26 |
| 17 | Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. Surfaces and Interfaces, 2021, 24, 101107. | 3.0 | 37 |
| 18 | Combined heat source and zero mass flux features on magnetized nanofluid flow by radial disk with the applications of Coriolis force and activation energy. International Communications in Heat and Mass Transfer, 2021, 126, 105416. | 5.6 | 58 |

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|---|---|---|---|
| 19 | The intelligent networks for double-diffusion and MHD analysis of thin film flow over a stretched surface. Scientific Reports, 2021, 11, 19239. | 3.3 | 15 |
| 20 | Activation energy effect on the magnetized-nanofluid flow in a rotating system considering the exponential heat source. International Communications in Heat and Mass Transfer, 2021, 128, 105578. | 5.6 | 48 |
| 21 | Mathematical modeling and thermodynamics of Prandtlâ€“Eyring fluid with radiation effect: a numerical approach. Scientific Reports, 2021, 11, 22201. | 3.3 | 25 |
| 22 | Entropy generation in nonlinear mixed convective flow of nanofluid in porous space influenced by Arrhenius activation energy and thermal radiation. Journal of Thermal Analysis and Calorimetry, 2020, 140, 799-809. | 3.6 | 32 |
| 23 | Hydromagnetic squeezed flow of second-grade nanomaterials between two parallel disks. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2067-2077. | 3.6 | 9 |
| 24 | Classification of Well Log Data Using Vanishing Component Analysis. Pure and Applied Geophysics, 2020, 177, 2719-2737. | 1.9 | 1 |
| 25 | Image Encryption Using Elliptic Curves and Rossby/Drift Wave Triads. Entropy, 2020, 22, 454. | 2.2 | 17 |
| 26 | Nonlinear Radiative Squeezed Flow of Nanofluid Subject to Chemical Reaction and Activation Energy. Journal of Heat Transfer, 2020, 142, . | 2.1 | 16 |
| 27 | Double stratfied flow of nanofluid subject to temperature based thermal conductivity and heat source. Thermal Science, 2020, 24, 1157-1171. | 1.1 | 4 |
| 28 | Impact of temperature dependent heat source and non-linear radiative flow of third grade fluid with chemical aspects. Thermal Science, 2020, 24, 1173-1182. | 1.1 | 7 |
| 29 | Thermally radiated squeezed flow of magneto-nanofluid between two parallel disks with chemical reaction. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1021-1030. | 3.6 | 31 |
| 30 | Dissipative flow of hybrid nanoliquid (H<sub>2</sub>O-aluminum alloy nanoparticles) with thermal radiation. Physica Scripta, 2019, 94, 125708. | 2.5 | 47 |
| 31 | Numerical Simulation for Radiated Flow in Rotating Channel with Homogeneous-Heterogeneous Reactions. Journal of Non-Equilibrium Thermodynamics, 2019, 44, 355-362. | 4.2 | 8 |
| 32 | Attributes of Activation Energy and Exponential Based Heat Source in Flow of Carreau Fluid with Cross-Diffusion Effects. Journal of Non-Equilibrium Thermodynamics, 2019, 44, 203-213. | 4.2 | 27 |
| 33 | Efficient construction of a substitution box based on a Mordell elliptic curve over a finite field. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1378-1389. | 2.6 | 41 |
| 34 | Variable aspects of double stratified MHD flow of second grade nanoliquid with heat generation/absorption: A revised model. Radiation Physics and Chemistry, 2019, 157, 109-115. | 2.8 | 18 |
| 35 | Analysis of non-linear radiative stagnation point flow of Carreau fluid with homogeneous-heterogeneous reactions. Microsystem Technologies, 2019, 25, 1243-1250. | 2.0 | 12 |
| 36 | Mixed convective radiative flow of vicoelastic liquid subject to space dependent internal heat source and chemical reaction. Thermal Science, 2019, 23, 3843-3853. | 1.1 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Cross diffusion and exponential space dependent heat source impacts in radiated three-dimensional (3D) flow of Casson fluid by heated surface. Results in Physics, 2018, 8, 1275-1282. | 4.1 | 40 |
| 38 | Numerical simulation for homogeneousâ€“heterogeneous reactions in flow of Sisko fluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1. | 1.6 | 14 |
| 39 | An Injective S-Box Design Scheme over an Ordered Isomorphic Elliptic Curve and Its Characterization. Security and Communication Networks, 2018, 2018, 1-9. | 1.5 | 36 |
| 40 | MHD stratified nanofluid flow by slandering surface. Physica Scripta, 2018, 93, 115701. | 2.5 | 22 |
| 41 | Flow of magneto Williamson nanoliquid towards stretching sheet with variable thickness and double stratification. Radiation Physics and Chemistry, 2018, 152, 151-157. | 2.8 | 30 |
| 42 | Simultaneous Effects of Nonlinear Mixed Convection and Radiative Flow Due to Riga-Plate With Double Stratification. Journal of Heat Transfer, 2018, 140, . | 2.1 | 38 |
| 43 | Magnetohydrodynamics Stagnation-Point Flow of Sisko Liquid With Melting Heat Transfer and Heat Generation/Absorption. Journal of Thermal Science and Engineering Applications, 2018, 10, . | 1.5 | 18 |
| 44 | Flow of chemically reactive magneto Cross nanoliquid with temperature-dependent conductivity. Applied Nanoscience (Switzerland), 2018, 8, 1453-1460. | 3.1 | 37 |
| 45 | MHD flow of Powell-Eyring nanofluid over a non-linear stretching sheet with variable thickness. Results in Physics, 2017, 7, 189-196. | 4.1 | 97 |
| 46 | A revised model for stretched flow of third grade fluid subject to magneto nanoparticles and convective condition. Journal of Molecular Liquids, 2017, 230, 608-615. | 4.9 | 48 |
| 47 | Thermal and solutal stratification in mixed convection three-dimensional flow of an Oldroyd-B nanofluid. Results in Physics, 2017, 7, 3797-3805. | 4.1 | 23 |
| 48 | Three-dimensional mixed convection flow of Sisko nanoliquid. International Journal of Mechanical Sciences, 2017, 133, 273-282. | 6.7 | 49 |
| 49 | Radiative three-dimensional flow with Soret and Dufour effects. International Journal of Mechanical Sciences, 2017, 133, 829-837. | 6.7 | 40 |
| 50 | MHD mixed convection flow of third grade liquid subject to non-linear thermal radiation and convective condition. Results in Physics, 2017, 7, 2804-2811. | 4.1 | 27 |
| 51 | Radiative flow of Carreau liquid in presence of Newtonian heating and chemical reaction. Results in Physics, 2017, 7, 715-722. | 4.1 | 43 |
| 52 | Three-dimensional flow of Powellâ€“Eyring nanofluid with heat and mass flux boundary conditions. Chinese Physics B, 2016, 25, 074701. | 1.4 | 44 |
| 53 | Magnetohydrodynamic (MHD) three-dimensional flow of second grade nanofluid by a convectively heated exponentially stretching surface. Journal of Molecular Liquids, 2016, 220, 1004-1012. | 4.9 | 67 |
| 54 | Activation energy with exothermic/endothermic reaction and Coriolis force effects on magnetized nanomaterials flow through Darcyâ€“Forchheimer porous space with variable features. Waves in Random and Complex Media, 0, , 1-14. | 2.7 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Numerical investigation of thin-film flow over a rotating disk subject to the heat source and nonlinear radiation: Lobatto IIIA approach. Waves in Random and Complex Media, 0, , 1-15. | 2.7 | 22 |
| 56 | A numerical approach to interpret melting and activation energy phenomenon on the magnetized transient flow of Prandtlâ€“Eyring fluid with the application of Cattaneoâ€“Christov theory. Waves in Random and Complex Media, 0, , 1-21. | 2.7 | 19 |
| 57 | Approximation of unsteady squeezing flow through porous space with slip effect: DJM approach. Waves in Random and Complex Media, 0, , 1-15. | 2.7 | 4 |
| 58 | Intelligent networks knacks for numerical treatment of three-dimensional Darcyâ€“Forchheimer Williamson nanofluid model past a stretching surface. Waves in Random and Complex Media, 0, , 1-29. | 2.7 | 3 |
| 59 | Lorentz force and Darcy-Forchheimer effects on the convective flow of non-Newtonian fluid with chemical aspects. Waves in Random and Complex Media, 0, , 1-15. | 2.7 | 4 |
| 60 | Fractional analysis of thin-film flow in the presence of thermal conductivity and variable viscosity. Waves in Random and Complex Media, 0, , 1-19. | 2.7 | 10 |
| 61 | Numerical simulation of 3D swirling flow of Maxwell nanomaterial with a binary chemical mechanism and nonlinear thermal radiation effects. Waves in Random and Complex Media, 0, , 1-19. | 2.7 | 4 |
| 62 | Efficiency evaluation of solar water-pump using nanofluids in parabolic trough solar collector: 2nd order convergent approach. Waves in Random and Complex Media, 0, , 1-37. | 2.7 | 12 |
| 63 | Flow of magnetized nanomaterials through movable parallel plates with Lorentz forces: an intelligent computing application. Waves in Random and Complex Media, 0, , 1-22. | 2.7 | 1 |
| 64 | Improving the thermal performance of (ZnO-Ni /H<sub>2</sub>O) hybrid nanofluid flow over a rotating system: the applications of Darcy Forchheimer theory. Waves in Random and Complex Media, 0, , 1-17. | 2.7 | 7 |