Ikram Ullah

List of Publications by Year
in descending order

64
papers	1,599
citations	304743
22
h-index	395702
33
g-index
64
all docs	64
docs citations	64
times ranked	597
citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	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
6	Three-dimensional mixed convection flow of Sisko nanoliquid. International Journal of Mechanical Sciences, 2017, 133, 273-282.	6.7	49
7	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
8	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
9	Dissipative flow of hybrid nanoliquid (H_2O-aluminum alloy nanoparticles) with thermal radiation. Physica Scripta, 2019, 94, 125708.	2.5	47
10	Three-dimensional flow of Powell–Eyring nanofluid with heat and mass flux boundary conditions. Chinese Physics B, 2016, 25, 074701.	1.4	44
11	Radiative flow of Carreau liquid in presence of Newtonian heating and chemical reaction. Results in Physics, 2017, 7, 715-722.	4.1	43
12	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
13	Radiative three-dimensional flow with Soret and Dufour effects. International Journal of Mechanical Sciences, 2017, 133, 829-837.	6.7	40
14	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
15	Optimization of entropy production in flow of hybrid nanomaterials through Darcy–Forchheimer porous space. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5855-5864.	3.6	39
16	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
17	Flow of chemically reactive magneto Cross nanoliquid with temperature-dependent conductivity. Applied Nanoscience (Switzerland), 2018, 8, 1453-1460.	3.1	37
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Mathematical modeling and thermodynamics of Prandtlâ€"Eyring fluid with radiation effect: a numerical approach. Scientific Reports, 2021, 11, 22201.	3.3	25
29	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
30	MHD stratified nanofluid flow by slandering surface. Physica Scripta, 2018, 93, 115701.	2.5	22
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	Image Encryption Using Elliptic Curves and Rossby/Drift Wave Triads. Entropy, 2020, 22, 454.	2.2	17
39	Nonlinear Radiative Squeezed Flow of Nanofluid Subject to Chemical Reaction and Activation Energy. Journal of Heat Transfer, 2020, 142, .	2.1	16
40	Entropy Optimization in Nonlinear Mixed Convective Flow of Nanomaterials Through Porous Space. Journal of Non-Equilibrium Thermodynamics, 2021, 46, 191-203.	4.2	15
41	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
42	Numerical simulation for homogeneous–heterogeneous reactions in flow of Sisko fluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	14
43	Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. Thermal Science, 2022, 26, 1405-1419.	1.1	14
44	Analysis of non-linear radiative stagnation point flow of Carreau fluid with homogeneous-heterogeneous reactions. Microsystem Technologies, 2019, 25, 1243-1250.	2.0	12
45	A Novel Image Encryption Scheme Based on Elliptic Curves over Finite Rings. Entropy, 2022, 24, 571.	2.2	12
46	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
47	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
48	Numerical simulation for 3D rotating flow of nanofluid with entropy generation. International Journal of Modelling and Simulation, 2023, 43, 101-122.	3.3	10
49	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
50	Hydromagnetic squeezed flow of second-grade nanomaterials between two parallel disks. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2067-2077.	3.6	9
51	Numerical Simulation for Radiated Flow in Rotating Channel with Homogeneous-Heterogeneous Reactions. Journal of Non-Equilibrium Thermodynamics, 2019, 44, 355-362.	4.2	8
52	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
53	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
54	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

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55	Improving the thermal performance of (ZnO-Ni /H_2O) 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
56	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
57	Double stratfied flow of nanofluid subject to temperature based thermal conductivity and heat source. Thermal Science, 2020, 24, 1157-1171.	1.1	4
58	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
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	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
61	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
62	Classification of Well Log Data Using Vanishing Component Analysis. Pure and Applied Geophysics, 2020, 177, 2719-2737.	1.9	1
63	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
64	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