Sami Ullah Khan

List of Publications by Year
in descending order

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Version: 2024-02-01

56 papers	1,338 citations	394421 19 h-index	414414 32 g-index
57 all docs	57 docs citations	57 times ranked	620 citing authors

#	Article	IF	Citations
1	Numerical simulation of AA7072-AA7075/water-based hybrid nanofluid flow over a curved stretching sheet with Newtonian heating: A non-Fourier heat flux model approach. Journal of Molecular Liquids, 2021, 335, 116103.	4.9	182
2	Thermally developed Falknerâ€“Skan bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiornoâ€™s nanofluid model. Physica Scripta, 2019, 94, 115304.	2.5	120
3	Bioconvection in the Rheology of Magnetized Couple Stress Nanofluid Featuring Activation Energy and Wuâ€™s Slip. Journal of Non-Equilibrium Thermodynamics, 2020, 45, 81-95.	4.2	99
4	Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneoâ€“Christov Heat Flux Model: Existence of Dual Solution. Symmetry, 2019, 11, 1070.	2.2	86
5	Mixed convective nanofluid flow over a non linearly stretched Riga plate. Case Studies in Thermal Engineering, 2021, 24, 100828.	5.7	63
6	Aspects of Chemical Entropy Generation in Flow of Casson Nanofluid between Radiative Stretching Disks. Entropy, 2020, 22, 495.	2.2	53
7	A fractional model for the kerosene oil and water-based Casson nanofluid with inclined magnetic force. Chemical Physics Letters, 2022, 787, 139277.	2.6	49
8	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. Case Studies in Thermal Engineering, 2021, 26, 101129.	5.7	40
9	Interaction of magneto-nanoparticles in Williamson fluid flow over convective oscillatory moving surface. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	35
10	Common fixed point results for new Ciric-type rational multivalued F-contraction with an application. Journal of Fixed Point Theory and Applications, 2018, 20, 1.	1.1	34
11	Bioconvection flow of magnetized Williamson nanoliquid with motile organisms and variable thermal conductivity. Applied Nanoscience (Switzerland), 2020, 10, 3325-3336.	3.1	34
12	Applications of activation energy along with thermal and exponential space-based heat source in bioconvection assessment of magnetized third grade nanofluid over stretched cylinder/sheet. Case Studies in Thermal Engineering, 2021, 26, 101043.	5.7	32
13	Significances of exponential heating and Darcy's law for second grade fluid flow over oscillating plate by using Atangana-Baleanu fractional derivatives. Case Studies in Thermal Engineering, 2021, 27, 101266.	5.7	31
14	Complex T-Spherical Fuzzy Relations With Their Applications in Economic Relationships and International Trades. IEEE Access, 2021, 9, 66115-66131.	4.2	30
15	Investigation of Cyber-Security and Cyber-Crimes in Oil and Gas Sectors Using the Innovative Structures of Complex Intuitionistic Fuzzy Relations. Entropy, 2021, 23, 1112.	2.2	30
16	Peristaltic activity for electro-kinetic complex driven cilia transportation through a non-uniform channel. Computer Methods and Programs in Biomedicine, 2021, 200, 105926.	4.7	28
17	Thermal enhancement of ethylene glycol base material with hybrid nanofluid for oblique stagnation point slip flow. Case Studies in Thermal Engineering, 2021, 28, 101468.	5.7	28
18	Radiative unsteady hydromagnetic 3D flow model for Jeffrey nanofluid configured by an accelerated surface with chemical reaction. Heat Transfer, 2021, 50, 942-966.	3.0	27

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19	Non-singular fractional computations for the radiative heat and mass transfer phenomenon subject to mixed convection and slip boundary effects. Chaos, Solitons and Fractals, 2022, 155, 111708.	5.1	27
20	Electrical MHD Carreau nanofluid over porous oscillatory stretching surface with variable thermal conductivity: Applications of thermal extrusion system. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124132.	2.6	26
21	Medical Diagnosis and Life Span of Sufferer Using Interval Valued Complex Fuzzy Relations. IEEE Access, 2021, 9, 93764-93780.	4.2	22
22	Thermally developed unsteady viscoelastic micropolar nanofluid with modified heat/mass fluxes: A generalized model. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 123986.	2.6	21
23	Fractional order simulations for the thermal determination of graphene oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mrow><mml:mo stretchy="true">(</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T disulphide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	5.7	20
24	Thermally developed Cattaneo-Christov Maxwell nanofluid over bidirectional periodically accelerated surface with gyrotactic microorganisms and activation energy. AEJ - Alexandria Engineering Journal, 2020, 59, 4865-4878.	6.4	19
25	Optimized frame work for Reinerâ€“Philippoff nanofluid with improved thermal sources and Cattaneoâ€“Christov modifications: A numerical thermal analysis. International Journal of Modern Physics B, 2021, 35, 2150083.	2.0	18
26	Cybersecurity against the Loopholes in Industrial Control Systems Using Interval-Valued Complex Intuitionistic Fuzzy Relations. Applied Sciences (Switzerland), 2021, 11, 7668.	2.5	18
27	A three-dimensional bioconvection Williamson nanofluid flow over bidirectional accelerated surface with activation energy and heat generation. International Journal of Modern Physics B, 0, , 2150132.	2.0	17
28	Natural convection flow of radiative maxwell fluid with Newtonian heating and slip effects: Fractional derivatives simulations. Case Studies in Thermal Engineering, 2021, 28, 101501.	5.7	15
29	Thermal stability and performances of hybrid nanoparticles for convective heat transfer phenomenon with multiple solutions. Case Studies in Thermal Engineering, 2021, 28, 101684.	5.7	15
30	Joule heating, activation energy and modified diffusion analysis for 3D slip flow of tangent hyperbolic nanofluid with gyrotactic microorganisms. Modern Physics Letters B, 0, , 2150278.	1.9	12
31	Analysis ofF-contractions in function weighted metric spaces with an application. Open Mathematics, 2020, 18, 582-594.	1.0	11
32	Analysis of Economic Relationship Using the Concept of Complex Pythagorean Fuzzy Information. Security and Communication Networks, 2021, 2021, 1-12.	1.5	10
33	Effectiveness of induced magnetic force and non-uniform heat source/sink features for enhancing the thermal efficiency of third grade nanofluid containing microorganisms. Case Studies in Thermal Engineering, 2021, 27, 101305.	5.7	9
34	Analysis of Communication and Network Securities Using the Concepts of Complex Picture Fuzzy Relations. Computational Intelligence and Neuroscience, 2021, 2021, 1-20.	1.7	9
35	Transport properties of mixed convective nano-material flow considering the generalized fourier law and a vertical surface: Concept of caputo-time fractional derivative. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2022, 236, 974-984.	1.4	8
36	Significance of bioconvection in flow of Williamson nanoâ€material confined by a porous radioactive Riga surface with convective Nield constrains. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	7

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37	Contributions of nonlinear mixed convection for enhancing the thermal efficiency of Eyring-Powell nanoparticles for periodically accelerated bidirectional flow. Waves in Random and Complex Media, 0, , 1-20.	2.7	6
38	Mathematical analysis of COVID-19 pandemic by using the concept of SIR model. Soft Computing, 2023, 27, 3477-3491.	3.6	5
39	Thermal applications of copper oxide, silver, and titanium dioxide nanoparticles via fractional derivative approach. Waves in Random and Complex Media, 2023, 33, 794-807.	2.7	5
40	through a complex wavy convergent channel with electro-magneto-hydrodynamic phenomenon. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892210765.	2.5	5
41	Thermal aspects of Oldroyd-B nanofluid over accelerated surface with variable thermal conductivity and modified diffusion theories. International Journal of Modern Physics B, 2021, 35, 2150185.	2.0	4
42	Investigation of Financial Track Records by Using Some Novel Concepts of Complex q-Rung Orthopair Fuzzy Information. IEEE Access, 2021, 9, 152857-152877.	4.2	4
43	3D Dynamic Programming Approach to Functional Equations with Applications. Journal of Function Spaces, 2020, 2020, 1-9.	0.9	3
44	Analysis of domination in the environment of picture fuzzy information. Granular Computing, 2022, 7, 801-812.	8.0	3
45	Thermal efficiency and stability of copper-alumina nanoparticles with Darcy-Forchheimer effects. Waves in Random and Complex Media, 0, , 1-21.	2.7	3
46	Common Fixed Points of Four Maps Satisfying<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>F</mml:mi></mml:mrow></mml:math>-Contraction on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mrow><mml:mi>b</mml:mi></mml:mrow></mml:math>-Metric Spaces. Journal of Function Spaces, 2017, 2017, 1-11.	0.9	2
47	Security Risks to Petroleum Industry: An Innovative Modeling Technique Based on Novel Concepts of Complex Bipolar Fuzzy Information. Mathematics, 2022, 10, 1067.	2.2	2
48	Generalized contraction theorems approach to fuzzy differential equations in fuzzy metric spaces. AIMS Mathematics, 2022, 7, 11243-11275.	1.6	2
49	Nonlinear radiative oblique stagnation point flow of viscoelastic fluid due to stretching cylinder with polymer processing applications. Waves in Random and Complex Media, 0, , 1-16.	2.7	2
50	Thermal onset chemically reactive Oldroyd-B nanofluid with immersion of microorganism in three-dimensional accelerating frame. Journal of the Indian Chemical Society, 2022, 99, 100567.	2.8	2
51	Some <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mi>Î±</mi> <mo>â€“</mo> <mi>Ï•</mi> </math>-Fuzzy Cone Contraction Results with Integral Type Application. Journal of Mathematics, 2021, 2021, 1-15.	1.0	1
52	An Innovative Decision-Making Approach Based on Correlation Coefficients of Complex Picture Fuzzy Sets and Their Applications in Cluster Analysis. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.7	1
53	Thermal aspect of boron nitride nanotubes (BNNT) and multiwall carbon nanotubes (MWCNT) with distinct physical features: Keller Box simulations. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , .	1.6	1
54	Fixed Point Theorems for Generalized Î±s-Ï^-Contractions with Applications. Journal of Function Spaces, 2018, 2018, 1-10.	0.9	0

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55	Numerical investigation of oxygen transport in the retinal artery with higher order accuracy by using seven and nine point finite difference technique: a comparative study. Physica Scripta, 2021, 96, 055209.	2.5	0
56	Some coupled fixed point theorems on multiplicative metric spaces with an application. AIMS Mathematics, 2022, 7, 14631-14651.	1.6	0