

# 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	Significance of bioconvection in flow of Williamson nano-material confined by a porous radioactive Riga surface with convective Nield constrains. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	7
2	Mathematical analysis of COVID-19 pandemic by using the concept of SIR model. Soft Computing, 2023, 27, 3477-3491.	3.6	5
3	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
4	Analysis of domination in the environment of picture fuzzy information. Granular Computing, 2022, 7, 801-812.	8.0	3
5	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
6	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
7	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
8	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
9	Generalized contraction theorems approach to fuzzy differential equations in fuzzy metric spaces. AIMS Mathematics, 2022, 7, 11243-11275.	1.6	2
10	Some coupled fixed point theorems on multiplicative metric spaces with an application. AIMS Mathematics, 2022, 7, 14631-14651.	1.6	0
11	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
12	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
13	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
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	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
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	Optimized frame work for Reiner-Philippoff nanofluid with improved thermal sources and Cattaneo-Christov modifications: A numerical thermal analysis. International Journal of Modern Physics B, 2021, 35, 2150083.	2.0	18
18	Mixed convective nanofluid flow over a non linearly stretched Riga plate. Case Studies in Thermal Engineering, 2021, 24, 100828.	5.7	63

#	ARTICLE	IF	CITATIONS
19	Analysis of Economic Relationship Using the Concept of Complex Pythagorean Fuzzy Information. Security and Communication Networks, 2021, 2021, 1-12.	1.5	10
20	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
21	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. Case Studies in Thermal Engineering, 2021, 26, 101129.	5.7	40
22	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
23	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
24	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
25	Cybersecurity against the Loopholes in Industrial Control Systems Using Interval-Valued Complex Intuitionistic Fuzzy Relations. Applied Sciences (Switzerland), 2021, 11, 7668.	2.5	18
26	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
27	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, 101266.	5.7	9
28	Fractional order simulations for the thermal determination of graphene oxide $\frac{\partial T}{\partial t} + \tau \frac{\partial^2 T}{\partial x^2} = \alpha \frac{\partial T}{\partial x} + \beta T$	5.7	20
29	disulphide $\frac{\partial T}{\partial t} + \tau \frac{\partial^2 T}{\partial x^2} = \alpha \frac{\partial T}{\partial x} + \beta T$ 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
30	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
31	Medical Diagnosis and Life Span of Sufferer Using Interval Valued Complex Fuzzy Relations. IEEE Access, 2021, 9, 93764-93780.	4.2	22
32	Some $\mathcal{I}_\alpha$ -Fuzzy Cone Contraction Results with Integral Type Application. Journal of Mathematics, 2021, 2021, 1-15.	1.0	1
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Thermally developed unsteady viscoelastic micropolar nanofluid with modified heat/mass fluxes: A generalized model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123986.	2.6	21
38	Bioconvection in the Rheology of Magnetized Couple Stress Nanofluid Featuring Activation Energy and Wu's Slip. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2020, 45, 81-95.	4.2	99
39	3D Dynamic Programming Approach to Functional Equations with Applications. <i>Journal of Function Spaces</i> , 2020, 2020, 1-9.	0.9	3
40	Thermally developed Cattaneo-Christov Maxwell nanofluid over bidirectional periodically accelerated surface with gyrotactic microorganisms and activation energy. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4865-4878.	6.4	19
41	Aspects of Chemical Entropy Generation in Flow of Casson Nanofluid between Radiative Stretching Disks. <i>Entropy</i> , 2020, 22, 495.	2.2	53
42	Bioconvection flow of magnetized Williamson nanofluid with motile organisms and variable thermal conductivity. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3325-3336.	3.1	34
43	Analysis of $F$ -contractions in function weighted metric spaces with an application. <i>Open Mathematics</i> , 2020, 18, 582-594.	1.0	11
44	Thermally developed Falkner-Skan bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiorno's nanofluid model. <i>Physica Scripta</i> , 2019, 94, 115304.	2.5	120
45	Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneo-Christov Heat Flux Model: Existence of Dual Solution. <i>Symmetry</i> , 2019, 11, 1070.	2.2	86
46	Common fixed point results for new Ciric-type rational multivalued $F$ -contraction with an application. <i>Journal of Fixed Point Theory and Applications</i> , 2018, 20, 1.	1.1	34
47	Interaction of magneto-nanoparticles in Williamson fluid flow over convective oscillatory moving surface. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	35
48	Fixed Point Theorems for Generalized $\hat{I}_s$ - $\hat{I}$ -Contractions with Applications. <i>Journal of Function Spaces</i> , 2018, 2018, 1-10.	0.9	0
49	Common Fixed Points of Four Maps Satisfying $F$ -Contraction on $F$ -Metric Spaces. <i>Journal of Function Spaces</i> , 2017, 2017, 1-11.	0.9	2
50	Joule heating, activation energy and modified diffusion analysis for 3D slip flow of tangent hyperbolic nanofluid with gyrotactic microorganisms. <i>Modern Physics Letters B</i> , 0, , 2150278.	1.9	12
51	A three-dimensional bioconvection Williamson nanofluid flow over bidirectional accelerated surface with activation energy and heat generation. <i>International Journal of Modern Physics B</i> , 0, , 2150132.	2.0	17
52	Contributions of nonlinear mixed convection for enhancing the thermal efficiency of Eyring-Powell nanoparticles for periodically accelerated bidirectional flow. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	6
53	through a complex wavy convergent channel with electro-magneto-hydrodynamic phenomenon. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, . 095440892210765.	2.5	5
54	Thermal efficiency and stability of copper-alumina nanoparticles with Darcy-Forchheimer effects. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	2.7	3

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55	Nonlinear radiative oblique stagnation point flow of viscoelastic fluid due to stretching cylinder with polymer processing applications. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	2.7	2
56	Thermal aspect of boron nitride nanotubes (BNNT) and multiwall carbon nanotubes (MWCNT) with distinct physical features: Keller Box simulations. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 0, , .	1.6	1