

Umer Farooq

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2835883/umer-farooq-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

886
citations

18
h-index

28
g-index

55
ext. papers

1,119
ext. citations

2.8
avg, IF

4.72
L-index

#	Paper	IF	Citations
51	Bioconvection Unsteady Magnetized Flow in a Horizontal Channel with Dufour and Soret Effects. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-15	1.1	2
50	Nonsimilar Modeling and Numerical Simulations of Electromagnetic Radiative Flow of Nanofluid with Entropy Generation. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-20	1.1	0
49	Numerical and Theoretical Investigation to Estimate Darcy Friction Factor in Water Network Problem Based on Modified Chun-Hui He Algorithm and Applications. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-11	1.1	0
48	Significance of Nonsimilar Numerical Simulations in Forced Convection from Stretching Cylinder Subjected to External Magnetized Flow of Sisko Fluid. <i>Journal of Mathematics</i> , 2021 , 2021, 1-11	1.2	
47	Non-similar aspects of heat generation in bioconvection from flat surface subjected to chemically reactive stagnation point flow of Oldroyd-B fluid. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 5397-5397	6.1	3
46	Closure to Computational Analysis for Mixed Convective Flows of Viscous Fluids With Nanoparticles (Farooq, U., Lu, D. C., Ahmed, S., and Ramzan, M., 2019, ASME J. Therm. Sci. Eng. Appl., 11(2), p. 021013). <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	1
45	Non-similar mixed convection analysis for magnetic flow of second-grade nanofluid over a vertically stretching sheet. <i>Communications in Theoretical Physics</i> , 2021 , 73, 065801	2.4	12
44	Non-Similar Solution for Magnetized Flow of Maxwell Nanofluid over an Exponentially Stretching Surface. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-10	1.1	3
43	Impact of non-similar modeling on Darcy-Forchheimer-Brinkman model for forced convection of Casson nano-fluid in non-Darcy porous media. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 125, 105312	5.8	9
42	On Numerical Thermal Transport Analysis of Three-Dimensional Bioconvective Nanofluid Flow. <i>Journal of Mathematics</i> , 2021 , 2021, 1-11	1.2	1
41	Non-similar forced convection analysis of Oldroyd-B fluid flow over an exponentially stretching surface. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110346	1.2	3
40	Significance of non-similar modeling in the entropy analysis of chemically reactive magnetized flow of nanofluid subjected to thermal radiations and melting heat condition. <i>AIP Advances</i> , 2021 , 11, 085018	1.5	3
39	Investigation of Entropy in Two-Dimensional Peristaltic Flow with Temperature Dependent Viscosity, Thermal and Electrical Conductivity. <i>Entropy</i> , 2020 , 22,	2.8	7
38	Aspects of entropy generation for the non-similar three-dimensional bioconvection flow of nanofluids. <i>AIP Advances</i> , 2020 , 10, 075110	1.5	8
37	Entropy Generation in a Dissipative Nanofluid Flow under the Influence of Magnetic Dissipation and Transpiration. <i>Energies</i> , 2020 , 13, 5506	3.1	2
36	Modeling and non-similar analysis for Darcy-Forchheimer-Brinkman model of Casson fluid in a porous media. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 119, 104955	5.8	18
35	Soliton solutions of the generalised third-order nonlinear Schrödinger equation by two mathematical methods and their stability 2019 , 93, 1		24

34	MHD flow of Maxwell fluid with nanomaterials due to an exponentially stretching surface. <i>Scientific Reports</i> , 2019 , 9, 7312	4.9	53
33	Analysis of Unsteady Flow and Heat Transfer of Nanofluid Using Blasius-Rayleigh-Stokes Variable. <i>Coatings</i> , 2019 , 9, 211	2.9	2
32	Flow of Rheological Nanofluid Over a Static Wedge. <i>Journal of Nanofluids</i> , 2019 , 8, 1362-1366	2.2	5
31	Computational Analysis for Mixed Convective Flows of Viscous Fluids With Nanoparticles. <i>Journal of Thermal Science and Engineering Applications</i> , 2019 , 11,	1.9	9
30	Nonlinear radiation effect on MHD Carreau nanofluid flow over a radially stretching surface with zero mass flux at the surface. <i>Scientific Reports</i> , 2018 , 8, 3709	4.9	29
29	Computational analysis of three layer fluid model including a nanomaterial layer. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 122, 222-228	4.9	17
28	ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD FOR FRACTIONAL ORDER SYSTEM OF LINEAR AND NONLINEAR FRACTIONAL PARTIAL DIFFERENTIAL EQUATION. <i>Fractals</i> , 2018 , 26, 1850041	3.2	19
27	Upshot of Chemical Species and Nonlinear Thermal Radiation on Oldroyd-B Nanofluid Flow Past a Bi-directional Stretched Surface with Heat Generation/Absorption in a Porous Media. <i>Communications in Theoretical Physics</i> , 2018 , 70, 071	2.4	14
26	A Numerical Investigation of 3D MHD Rotating Flow with Binary Chemical Reaction, Activation Energy and Non-Fourier Heat Flux. <i>Communications in Theoretical Physics</i> , 2018 , 70, 089	2.4	25
25	On three-dimensional MHD Oldroyd-B fluid flow with nonlinear thermal radiation and homogeneous-heterogeneous reaction. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	16
24	A numerical treatment of MHD radiative flow of Micropolar nanofluid with homogeneous-heterogeneous reactions past a nonlinear stretched surface. <i>Scientific Reports</i> , 2018 , 8, 12431	4.9	28
23	NUMERICAL INVESTIGATION OF FRACTIONAL HIV MODEL USING ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD. <i>Fractals</i> , 2018 , 26, 1850062	3.2	9
22	Mechanical strength of wheat grain varieties influenced by moisture content and loading rate. <i>International Journal of Agricultural and Biological Engineering</i> , 2018 , 11, 35-41	1.9	3
21	Entropy Analysis of 3D Non-Newtonian MHD Nanofluid Flow with Nonlinear Thermal Radiation Past over Exponential Stretched Surface. <i>Entropy</i> , 2018 , 20,	2.8	21
20	Slip flow through a non-uniform channel under the influence of transverse magnetic field. <i>Scientific Reports</i> , 2018 , 8, 13137	4.9	2
19	The impact of slip conditions on magnetohydrodynamics radiating fluid beyond an exponentially extended sheet. <i>Journal of Physics: Conference Series</i> , 2018 , 1039, 012015	0.3	1
18	Influence of slip velocity on the flow of viscous fluid through a porous medium in a permeable tube with a variable bulk flow rate. <i>Results in Physics</i> , 2018 , 11, 861-868	3.7	2
17	Transpiration and Viscous Dissipation Effects on Entropy Generation in Hybrid Nanofluid Flow over a Nonlinear Radially Stretching Disk. <i>Entropy</i> , 2018 , 20,	2.8	50

16	Buoyancy effects on the radiative magneto Micropolar nanofluid flow with double stratification, activation energy and binary chemical reaction. <i>Scientific Reports</i> , 2017 , 7, 12901	4.9	56
15	Impact of generalized Fourier's and Fick's laws on MHD 3D second grade nanofluid flow with variable thermal conductivity and convective heat and mass conditions. <i>Physics of Fluids</i> , 2017 , 29, 093102	4.4	27
14	A numerical treatment of radiative nanofluid 3D flow containing gyrotactic microorganism with anisotropic slip, binary chemical reaction and activation energy. <i>Scientific Reports</i> , 2017 , 7, 17008	4.9	30
13	Upshot of binary chemical reaction and activation energy on carbon nanotubes with Cattaneo-Christov heat flux and buoyancy effects. <i>Physics of Fluids</i> , 2017 , 29, 123103	4.4	41
12	Mixed convective flow of Maxwell nanofluid past a porous vertical stretched surface [An optimal solution. <i>Results in Physics</i> , 2016 , 6, 1072-1079	3.7	46
11	Mixed convective radiative flow of second grade nanofluid with convective boundary conditions: An optimal solution. <i>Results in Physics</i> , 2016 , 6, 796-804	3.7	28
10	Series solutions of non-similarity boundary layer flows of nano-fluids over stretching surfaces. <i>Numerical Algorithms</i> , 2015 , 70, 43-59	2.1	24
9	Application of the HAM-based Mathematica package BVP4c 2.0 on MHD Falkner-Skan flow of nano-fluid. <i>Computers and Fluids</i> , 2015 , 111, 69-75	2.8	127
8	Heat and mass transfer of two-layer flows of third-grade nano-fluids in a vertical channel. <i>Applied Mathematics and Computation</i> , 2014 , 242, 528-540	2.7	67
7	Free convection nanofluid flow in the stagnation-point region of a three-dimensional body. <i>Scientific World Journal</i> , 2014 , 2014, 158269	2.2	5
6	Nonlinear Heat Transfer in a Two-Layer Flow With Nanofluids by OHAM. <i>Journal of Heat Transfer</i> , 2014 , 136,	1.8	14
5	Nonsimilar forced convection simulations of water-copper nanofluid flow through a porous medium in the presence of thermal radiations, heat generation and viscous dissipation. <i>Waves in Random and Complex Media</i> , 1-16	1.9	2
4	Numerical analysis of entropy generation in the stagnation point flow of Oldroyd-B nanofluid. <i>Waves in Random and Complex Media</i> , 1-17	1.9	1
3	Implication of forced convective flow of nanofluid towards an exponentially stretched surface: Non-similar transformations. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 095440892210766	1.5	0
2	Significance of radiative magnetohydrodynamic flow of suspended PEG based ZrO ₂ and MgO ₂ within a conical gap. <i>Waves in Random and Complex Media</i> , 1-19	1.9	3
1	Modeling and numerical computation of nonsimilar forced convective flow of viscous material towards an exponential surface. <i>International Journal of Modern Physics B</i> , 2150118	1.1	4