

Farhad Ali

List of Publications by Year in descending order

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69
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docs citations

69
times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	A generalized magnetohydrodynamic two-phase free convection flow of dusty Casson fluid between parallel plates. Case Studies in Thermal Engineering, 2022, 29, 101657.	5.7	31
2	A scientific outcome of wall shear stress on dusty viscoelastic fluid along heat absorbing in an inclined channel. Case Studies in Thermal Engineering, 2022, 30, 101764.	5.7	13
3	Fractional model of MHD blood flow in a cylindrical tube containing magnetic particles. Scientific Reports, 2022, 12, 418.	3.3	6
4	Time fractional analysis of channel flow of couple stress Casson fluid using Fick's and Fourier's Laws. Scientific Reports, 2022, 12, 2956.	3.3	6
5	Free convection flow of second grade dusty fluid between two parallel plates using Fick's and Fourier's laws: a fractional model. Scientific Reports, 2022, 12, 3448.	3.3	12
6	DYNAMICS OF COOPERATIVE REACTIONS BASED ON CHEMICAL KINETICS WITH REACTION SPEED: A COMPARATIVE ANALYSIS WITH SINGULAR AND NONSINGULAR KERNELS. Fractals, 2022, 30, .	3.7	11
7	A time fractional model of Brinkman-type nanofluid with ramped wall temperature and concentration. Advances in Mechanical Engineering, 2022, 14, 168781322210960.	1.6	11
8	Magnetohydrodynamic Fluctuating Free Convection Flow of Second-Grade Fluid Flow in a Porous Medium. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	5
9	Quasilinearization numerical technique for dual slip MHD Newtonian fluid flow with entropy generation in thermally dissipating flow above a thin needle. Scientific Reports, 2021, 11, 15130.	3.3	3
10	Magnetohydrodynamic Blood Flow in a Cylindrical Tube with Magnetic Particles: A Time Fractional Model. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	5
11	Caputo Time Fractional Model Based on Generalized Fourier's and Fick's Laws for Jeffrey Nanofluid: Applications in Automobiles. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	4
12	Maxwell Nanofluid Flow over an Infinite Vertical Plate with Ramped and Isothermal Wall Temperature and Concentration. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	14
13	Couette flow of viscoelastic dusty fluid in a rotating frame along with the heat transfer. Scientific Reports, 2021, 11, 506.	3.3	21
14	Dynamics of fractal-fractional model of a new chaotic system of integrated circuit with Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2021, 153, 111602.	5.1	36
15	A Time Fractional Model of Generalized Couette Flow of Couple Stress Nanofluid With Heat and Mass Transfer: Applications in Engine Oil. IEEE Access, 2020, 8, 146944-146966.	4.2	58
16	A report on COVID-19 epidemic in Pakistan using SEIR fractional model. Scientific Reports, 2020, 10, 22268.	3.3	62
17	Effects of MHD and porosity on entropy generation in two incompressible Newtonian fluids over a thin needle in a parallel free stream. Scientific Reports, 2020, 10, 22305.	3.3	1
18	On (p,q)-Sumudu and (p,q)-Laplace Transforms of the Basic Analogue of Aleph-Function. Symmetry, 2020, 12, 390.	2.2	2

#	ARTICLE	IF	CITATIONS
19	MHD effects on the channel flow of a fractional viscous fluid through a porous medium: An application of the Caputo-Fabrizio time-fractional derivative. Chinese Journal of Physics, 2020, 65, 14-23.	3.9	18
20	A Time Fractional Model With Non-Singular Kernel the Generalized Couette Flow of Couple Stress Nanofluid. IEEE Access, 2020, 8, 77378-77395.	4.2	19
21	Hall Effect on Radiative Casson Fluid Flow with Chemical Reaction on a Rotating Cone through Entropy Optimization. Entropy, 2020, 22, 480.	2.2	27
22	Thin Film Flow of Couple Stress Magneto-Hydrodynamics Nanofluid with Convective Heat over an Inclined Exponentially Rotating Stretched Surface. Coatings, 2020, 10, 338.	2.6	12
23	Exact Analysis of Non-Linear Electro-Osmotic Flow of Generalized Maxwell Nanofluid: Applications in Concrete Based Nano-Materials. IEEE Access, 2020, 8, 96738-96747.	4.2	18
24	A Report On Fluctuating Free Convection Flow Of Heat Absorbing Viscoelastic Dusty Fluid Past In A Horizontal Channel With MHD Effect. Scientific Reports, 2020, 10, 8523.	3.3	19
25	Generalized Model of Blood Flow in a Vertical Tube with Suspension of Gold Nanomaterials: Applications in the Cancer Therapy. Computers, Materials and Continua, 2020, 65, 171-192.	1.9	10
26	Entropy Generation in Different Types of Fractionalized Nanofluids. Arabian Journal for Science and Engineering, 2019, 44, 531-540.	3.0	34
27	Two-Phase Fluctuating Flow of Dusty Viscoelastic Fluid Between Non-Conducting Rigid Plates With Heat Transfer. IEEE Access, 2019, 7, 123299-123306.	4.2	19
28	Atangana's Baleanu fractional model for the flow of Jeffrey nanofluid with diffusion-thermo effects: applications in engine oil. Advances in Difference Equations, 2019, 2019, .	3.5	20
29	Fractional Model of Couple Stress Fluid for Generalized Couette Flow: A Comparative Analysis of Atangana's Baleanu and Caputo's Fabrizio Fractional Derivatives. IEEE Access, 2019, 7, 88643-88655.	4.2	28
30	The impact of magnetohydrodynamics and heat transfer on the unsteady flow of Casson fluid in an oscillating cylinder via integral transform: A Caputo's Fabrizio fractional model. Pramana - Journal of Physics, 2019, 93, 1.	1.8	10
31	Heat transfer analysis of generalized Jeffery nanofluid in a rotating frame: Atangana's Baleanu and Caputo's Fabrizio fractional models. Chaos, Solitons and Fractals, 2019, 129, 1-15.	5.1	37
32	Effects of Relative Magnetic Field, Chemical Reaction, Heat Generation and Newtonian Heating on Convection Flow of Casson Fluid over a Moving Vertical Plate Embedded in a Porous Medium. Scientific Reports, 2019, 9, 400.	3.3	36
33	Entropy Generation in MHD Conjugate Flow with Wall Shear Stress over an Infinite Plate: Exact Analysis. Entropy, 2019, 21, 359.	2.2	12
34	Atangana's Baleanu fractional model for electro-osmotic flow of viscoelastic fluids. Chaos, Solitons and Fractals, 2019, 124, 125-133.	5.1	13
35	Exact solutions for the Atangana-Baleanu time-fractional model of a Brinkman-type nanofluid in a rotating frame: Applications in solar collectors. European Physical Journal Plus, 2019, 134, 1.	2.6	8
36	Heat Transfer Analysis in Ethylene Glycol Based Molybdenum Disulfide Generalized Nanofluid via Atangana's Baleanu Fractional Derivative Approach. Studies in Systems, Decision and Control, 2019, , 217-233.	1.0	8

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37	The unsteady flow of generalized hybrid nanofluids: applications in cementitious materials. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 657-666.	1.9	12
38	Convection in ethylene glycol-based molybdenum disulfide nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 523-532.	3.6	41
39	Flow of magnetic particles in blood with isothermal heating: A fractional model for two-phase flow. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 413-422.	2.3	29
40	Numerical Analysis of the Unsteady Natural Convection MHD Couette Nanofluid Flow in the Presence of Thermal Radiation Using Single and Two-Phase Nanofluid Models for Cu-Water Nanofluids. <i>International Journal of Applied and Computational Mathematics</i> , 2018, 4, 1.	1.6	135
41	A modern approach of Caputo-Fabrizio time-fractional derivative to MHD free convection flow of generalized second-grade fluid in a porous medium. <i>Neural Computing and Applications</i> , 2018, 30, 1865-1875.	5.6	62
42	Heat and mass transfer phenomena in the flow of Casson fluid over an infinite oscillating plate in the presence of first-order chemical reaction and slip effect. <i>Neural Computing and Applications</i> , 2018, 30, 2159-2172.	5.6	24
43	Exact solutions for free convection flow of generalized Jeffrey fluid: A Caputo-Fabrizio fractional model. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 1849-1858.	6.4	71
44	The impact of side walls on the MHD flow of a second-grade fluid through a porous medium. <i>Neural Computing and Applications</i> , 2018, 30, 1103-1109.	5.6	7
45	Engine oil based generalized Brinkman-type nano-liquid with molybdenum disulphide nanoparticles of spherical shape: Atangana-Baleanu fractional model. <i>Numerical Methods for Partial Differential Equations</i> , 2018, 34, 1472-1488.	3.6	43
46	Effects of Different Shaped Nanoparticles on the Performance of Engine-Oil and Kerosene-Oil: A generalized Brinkman-Type Fluid model with Non-Singular Kernel. <i>Scientific Reports</i> , 2018, 8, 15285.	3.3	42
47	MHD Flow of Sodium Alginate-Based Casson Type Nanofluid Passing Through A Porous Medium With Newtonian Heating. <i>Scientific Reports</i> , 2018, 8, 8645.	3.3	69
48	Application of the modern trend of fractional differentiation to the MHD flow of a generalized Casson fluid in a microchannel: Modelling and solution. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	10
49	A comparative study of Atangana-Baleanu and Caputo-Fabrizio fractional derivatives to the convective flow of a generalized Casson fluid. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	85
50	Comparison and analysis of the Atangana-Baleanu and Caputo-Fabrizio fractional derivatives for generalized Casson fluid model with heat generation and chemical reaction. <i>Results in Physics</i> , 2017, 7, 789-800.	4.1	186
51	Exact analysis of MHD flow of a Walters'-B fluid over an isothermal oscillating plate embedded in a porous medium. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	10
52	Solutions with Wright Function for Time Fractional Free Convection Flow of Casson Fluid. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2565-2572.	3.0	41
53	Reply to the Comment by A.M. Abd El-Lateif, A.M. Abdel-Hameid on "Solutions with special functions for time fractional free convection flow of Brinkman-type fluid". <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	0
54	On the applications of nanofluids to enhance the performance of solar collectors: A comparative analysis of Atangana-Baleanu and Caputo-Fabrizio fractional models. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	58

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55	Application of time-fractional derivatives with non-singular kernel to the generalized convective flow of Casson fluid in a microchannel with constant walls temperature. <i>European Physical Journal: Special Topics</i> , 2017, 226, 3791-3802.	2.6	22
56	MHD Flow of Micropolar Fluid over an Oscillating Vertical Plate Embedded in Porous Media with Constant Temperature and Concentration. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-20.	1.1	24
57	UNSTEADY MHD FLOW OF SECOND-GRADE FLUID OVER AN OSCILLATING VERTICAL PLATE WITH ISOTHERMAL TEMPERATURE IN A POROUS MEDIUM WITH HEAT AND MASS TRANSFER BY USING THE LAPLACE TRANSFORM TECHNIQUE. <i>Journal of Porous Media</i> , 2017, 20, 671-690.	1.9	18
58	Solutions with special functions for time fractional free convection flow of Brinkman-type fluid. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	52
59	Application of Caputo-Fabrizio derivatives to MHD free convection flow of generalized Walters's B fluid model. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	162
60	Influence of Slip Condition on Unsteady Free Convection Flow of Viscous Fluid with Ramped Wall Temperature. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-7.	0.7	16
61	Exact Solutions of Heat and Mass Transfer with MHD Flow in a Porous Medium under Time Dependent Shear Stress and Temperature. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-16.	0.7	2
62	Effects of Wall Shear Stress on MHD Conjugate Flow over an Inclined Plate in a Porous Medium with Ramped Wall Temperature. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-15.	1.1	22
63	Effects of Wall Shear Stress on Unsteady MHD Conjugate Flow in a Porous Medium with Ramped Wall Temperature. <i>PLoS ONE</i> , 2014, 9, e90280.	2.5	21
64	Heat and Mass Transfer with Free Convection MHD Flow Past a Vertical Plate Embedded in a Porous Medium. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	1.1	30
65	Influence of Thermal Radiation on Unsteady Free Convection MHD Flow of Brinkman Type Fluid in a Porous Medium with Newtonian Heating. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	1.1	11
66	A Note on New Exact Solutions for Some Unsteady Flows of Brinkman- Type Fluids over a Plane Wall. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012, 67, 377-380.	1.5	32
67	Radiation and Porosity Effects on the Magnetohydrodynamic Flow Past an Oscillating Vertical Plate with Uniform Heat Flux. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012, 67, 572-580.	1.5	14
68	Unsteady Magnetohydrodynamic Oscillatory Flow of Viscoelastic Fluids in a Porous Channel with Heat and Mass Transfer. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 064402.	1.6	26
69	A time-fractional model of free convection electro-osmotic flow of Casson fluid through a microchannel using generalized Fourier and Fick's law. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	4