Nadeem Ahmad Sheikh

List of Publications by Year
in descending order

51 papers	1,678 citations	279701 23 h-index	302012 39 g-index
53 all docs	53 docs citations	53 times ranked	721 citing authors

#	ARTICLE	IF	CITATIONS
1	ANALYSIS OF THE FLOW OF BRINKMAN-TYPE NANOFLUID USING GENERALIZED FOURIERâ€™S AND FICKâ€™S LAWS. Fractals, 2022, 30, .	1.8	5
2	A generalized model for quantitative analysis of sediments loss: A Caputo time fractional model. Journal of King Saud University - Science, 2021, 33, 101179.	1.6	16
3	A Fractal-Fractional Model for the MHD Flow of Casson Fluid in a Channel. Computers, Materials and Continua, 2021, 67, 1385-1398.	1.5	10
4	Fractional model for MHD flow of Casson fluid with cadmium telluride nanoparticles using the generalized Fourierâ€™s law. Scientific Reports, 2021, 11, 16117.	1.6	15
5	Intensification in heat transfer due to hybrid nanoparticles embedded in sodium alginate. Case Studies in Thermal Engineering, 2021, 28, 101440.	2.8	4
6	Analysis of Silver Nanoparticles in Engine Oil: Atanganaâ€“Baleanu Fractional Model. Computers, Materials and Continua, 2021, 67, 2915-2932.	1.5	4
7	Caputoâ€“Fabrizio fractional derivatives modeling of transient MHD Brinkman nanoliquid: Applications in food technology. Chaos, Solitons and Fractals, 2020, 131, 109489.	2.5	25
8	Time fractional analysis of electro-osmotic flow of Waltersâ€™s-B fluid with time-dependent temperature and concentration. AEJ - Alexandria Engineering Journal, 2020, 59, 25-38.	3.4	26
9	A new model of fractional Casson fluid based on generalized Fickâ€™s and Fourierâ€™s laws together with heat and mass transfer. AEJ - Alexandria Engineering Journal, 2020, 59, 2865-2876.	3.4	71
10	MATHEMATICAL AND STATISTICAL ANALYSIS OF RL AND RC FRACTIONAL-ORDER CIRCUITS. Fractals, 2020, 28, 2040030.	1.8	14
11	A Comprehensive Review on Theoretical Aspects of Nanofluids: Exact Solutions and Analysis. Symmetry, 2020, 12, 725.	1.1	15
12	Concrete Based Jeffrey Nanofluid Containing Zinc Oxide Nanostructures: Application in Cement Industry. Symmetry, 2020, 12, 1037.	1.1	13
13	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.	1.6	19
14	Generalization of the Convective Flow of Brinkman-Type Fluid Using Fourierâ€™s and Fickâ€™s Laws: Exact Solutions and Entropy Generation. Mathematical Problems in Engineering, 2020, 2020, 1-13.	0.6	7
15	Exact Analysis of Non-Linear Fractionalized Jeffrey Fluid. A Novel Approach of Atangana-Baleanu Fractional Model. Computers, Materials and Continua, 2020, 65, 2033-2047.	1.5	7
16	Entropy Generation in Different Types of Fractionalized Nanofluids. Arabian Journal for Science and Engineering, 2019, 44, 531-540.	1.7	34
17	Two-Phase Fluctuating Flow of Dusty Viscoelastic Fluid Between Non-Conducting Rigid Plates With Heat Transfer. IEEE Access, 2019, 7, 123299-123306.	2.6	19
18	Atanganaâ€“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

#	Article	IF	Citations
19	Fractional Model of Couple Stress Fluid for Generalized Couette Flow: A Comparative Analysis of Atanganaâ€"Baleanu and Caputoâ€"Fabrizio Fractional Derivatives. IEEE Access, 2019, 7, 88643-88655.	2.6	28
20	The impact of magnetohydrodynamics and heat transfer on the unsteady flow of Casson fluid in an oscillating cylinder via integral transform: A Caputoâ€"Fabrizio fractional model. Pramana - Journal of Physics, 2019, 93, 1.	0.9	10
21	Heat transfer analysis of generalized Jeffery nanofluid in a rotating frame: Atanganaâ€"Balaenu and Caputoâ€"Fabrizio fractional models. Chaos, Solitons and Fractals, 2019, 129, 1-15.	2.5	37
22	Atanganaâ€"Baleanu fractional model for electro-osmotic flow of viscoelastic fluids. Chaos, Solitons and Fractals, 2019, 124, 125-133.	2.5	13
23	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.	1.2	8
24	Heat Transfer Analysis in Ethylene Glycol Based Molybdenum Disulfide Generalized Nanofluid via Atanganaâ€"Baleanu Fractional Derivative Approach. Studies in Systems, Decision and Control, 2019, , 217-233.	0.8	8
25	Enhanced heat transfer in working fluids using nanoparticles with ramped wall temperature: Applications in engine oil. Advances in Mechanical Engineering, 2019, 11, 168781401988098.	0.8	24
26	The unsteady flow of generalized hybrid nanofluids: applications in cementitious materials. Journal of the Australian Ceramic Society, 2019, 55, 657-666.	1.1	12
27	Convection in ethylene glycol-based molybdenum disulfide nanofluid. Journal of Thermal Analysis and Calorimetry, 2019, 135, 523-532.	2.0	41
28	Flow of magnetic particles in blood with isothermal heating: A fractional model for two-phase flow. Journal of Magnetism and Magnetic Materials, 2018, 456, 413-422.	1.0	29
29	A modern approach of Caputoâ€"Fabrizio time-fractional derivative to MHD free convection flow of generalized second-grade fluid in a porous medium. Neural Computing and Applications, 2018, 30, 1865-1875.	3.2	62
30	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. Neural Computing and Applications, 2018, 30, 2159-2172.	3.2	24
31	Exact solutions for free convection flow of generalized Jeffrey fluid: A Caputo-Fabrizio fractional model. AEJ - Alexandria Engineering Journal, 2018, 57, 1849-1858.	3.4	71
32	Engine oil based generalized brinkmanâ€"type nanoâ€"liquid with molybdenum disulphide nanoparticles of spherical shape: Atanganaâ€"Baleanu fractional model. Numerical Methods for Partial Differential Equations, 2018, 34, 1472-1488.	2.0	43
33	INFLUENCE OF A POROUS MEDIUM ON THE HYDROMAGNETIC FREE CONVECTION FLOW OF MICROPOLAR FLUID WITH RADIATIVE HEAT FLUX. Journal of Porous Media, 2018, 21, 123-144.	1.0	5
34	Effects of Different Shaped Nanoparticles on the Performance of Engine-Oil and Kerosene-Oil: A generalized Brinkman-Type Fluid model with Non-Singular Kernel. Scientific Reports, 2018, 8, 15285.	1.6	42
35	A theoretical study on the performance of a solar collector using CeO2 and Al2O3 water based nanofluids with inclined plate: Atanganaâ€"Baleanu fractional model. Chaos, Solitons and Fractals, 2018, 115, 135-142.	2.5	29
36	Magnetite Molybdenum Disulphide Nanofluid of Grade Two: A Generalized Model with Caputo-Fabrizio Derivative. , 2018, , .		5

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37	Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature. International Journal of Heat and Technology, 2018, 36, 619-631.	0.3	21
38	Hemodynamic Flow in a Vertical Cylinder with Heat Transfer : Two-phase Caputo Fabrizio Fractional Model. Journal of Magnetics, 2018, 23, 179-191.	0.2	13
39	A comparative study of Atangana-Baleanu and Caputo-Fabrizio fractional derivatives to the convective flow of a generalized Casson fluid. European Physical Journal Plus, 2017, 132, 1.	1.2	85
40	Comparison and analysis of the Atangana–Baleanu and Caputo–Fabrizio fractional derivatives for generalized Casson fluid model with heat generation and chemical reaction. Results in Physics, 2017, 7, 789-800.	2.0	186
41	Exact analysis of MHD flow of a Walters'-B fluid over an isothermal oscillating plate embedded in a porous medium. European Physical Journal Plus, 2017, 132, 1.	1.2	10
42	Solutions with Wright Function for Time Fractional Free Convection Flow of Casson Fluid. Arabian Journal for Science and Engineering, 2017, 42, 2565-2572.	1.7	41
43	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". European Physical Journal Plus, 2017, 132, 1.	1.2	0
44	Magnetic field effect on blood flow of Casson fluid in axisymmetric cylindrical tube: A fractional model. Journal of Magnetism and Magnetic Materials, 2017, 423, 327-336.	1.0	171
45	On the applications of nanofluids to enhance the performance of solar collectors: A comparative analysis of Atangana-Baleanu and Caputo-Fabrizio fractional models. European Physical Journal Plus, 2017, 132, 1.	1.2	58
46	MHD Flow of Micropolar Fluid over an Oscillating Vertical Plate Embedded in Porous Media with Constant Temperature and Concentration. Mathematical Problems in Engineering, 2017, 2017, 1-20.	0.6	24
47	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. Journal of Porous Media, 2017, 20, 671-690.	1.0	18
48	Magnetohydrodynamic flow of brinkman-type engine oil based MoS2-nanofluid in a rotating disk with hall effect. International Journal of Heat and Technology, 2017, 35, 893-902.	0.3	10
49	Solutions with special functions for time fractional free convection flow of Brinkman-type fluid. European Physical Journal Plus, 2016, 131, 1.	1.2	52
50	Application of Caputo-Fabrizio derivatives to MHD free convection flow of generalized Walters'-B fluid model. European Physical Journal Plus, 2016, 131, 1.	1.2	162
51	Introductory Chapter: Fluid Flow Problems. , 0, , .		2