

# Ilyas Khan

## List of Publications by Year in descending order

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731  
papers

17,381  
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26567

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71532

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744  
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744  
docs citations

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times ranked

4887  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	186
2	Magnetic field effect on blood flow of Casson fluid in axisymmetric cylindrical tube: A fractional model. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 423, 327-336.	1.0	171
3	Application of Caputo-Fabrizio derivatives to MHD free convection flow of generalized Walters <sup>TM</sup> -B fluid model. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	162
4	Impact of Lorentz forces on Fe <sub>3</sub> O <sub>4</sub> -water ferrofluid entropy and exergy treatment within a permeable semi annulus. <i>Journal of Cleaner Production</i> , 2019, 221, 885-898.	4.6	153
5	Heat transfer analysis in a second grade fluid over and oscillating vertical plate using fractional Caputo–Fabrizio derivatives. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	144
6	Unsteady MHD free convection flow of Casson fluid past over an oscillating vertical plate embedded in a porous medium. <i>Engineering Science and Technology, an International Journal</i> , 2015, 18, 309-317.	2.0	135
7	Convection heat transfer in micropolar nanofluids with oxide nanoparticles in water, kerosene and engine oil. <i>Journal of Molecular Liquids</i> , 2017, 229, 482-488.	2.3	133
8	Magnetohydrodynamic Nanoliquid Thin Film Sprayed on a Stretching Cylinder with Heat Transfer. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 271.	1.3	126
9	Experimental Investigation on Thermal Performance of a PV/T-PCM (Photovoltaic/Thermal) System Cooling with a PCM and Nanofluid. <i>Energies</i> , 2019, 12, 2572.	1.6	126
10	Heat transfer enhancement in free convection flow of CNTs Maxwell nanofluids with four different types of molecular liquids. <i>Scientific Reports</i> , 2017, 7, 2445.	1.6	122
11	Application of Atangana-Baleanu fractional derivative to convection flow of MHD Maxwell fluid in a porous medium over a vertical plate. <i>Mathematical Modelling of Natural Phenomena</i> , 2018, 13, 1.	0.9	120
12	Nanotechnology for water purification: electrospun nanofibrous membrane in water and wastewater treatment. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 232-248.	1.2	117
13	Energy Transfer in Mixed Convection MHD Flow of Nanofluid Containing Different Shapes of Nanoparticles in a Channel Filled with Saturated Porous Medium. <i>Nanoscale Research Letters</i> , 2015, 10, 490.	3.1	114
14	Heat and mass transport of differential type fluid with non-integer order time-fractional Caputo derivatives. <i>Journal of Molecular Liquids</i> , 2017, 229, 67-75.	2.3	104
15	Effects of slip condition and Newtonian heating on MHD flow of Casson fluid over a nonlinearly stretching sheet saturated in a porous medium. <i>Journal of King Saud University - Science</i> , 2017, 29, 250-259.	1.6	103
16	Heat Transfer in a Micropolar Fluid over a Stretching Sheet with Newtonian Heating. <i>PLoS ONE</i> , 2013, 8, e59393.	1.1	102
17	Uniform magnetic force impact on water based nanofluid thermal behavior in a porous enclosure with ellipse shaped obstacle. <i>Scientific Reports</i> , 2019, 9, 1196.	1.6	102
18	Heat and mass transfer in MHD Williamson nanofluid flow over an exponentially porous stretching surface. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100975.	2.8	99

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19	Unsteady boundary layer MHD free convection flow in a porous medium with constant mass diffusion and Newtonian heating. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	98
20	MHD flow of water-based Brinkman type nanofluid over a vertical plate embedded in a porous medium with variable surface velocity, temperature and concentration. <i>Journal of Molecular Liquids</i> , 2016, 223, 412-419.	2.3	94
21	Thin film flow of a second grade fluid in a porous medium past a stretching sheet with heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 1019-1031.	3.4	93
22	Case study of MHD blood flow in a porous medium with CNTs and thermal analysis. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 374-380.	2.8	92
23	Stability analysis and multiple solution of Cu-Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O nanofluid contains hybrid nanomaterials over a shrinking surface in the presence of viscous dissipation. <i>Journal of Materials Research and Technology</i> , 2020, 9, 421-432.	2.6	92
24	Heat transfer and second order slip effect on MHD flow of fractional Maxwell fluid in a porous medium. <i>Journal of King Saud University - Science</i> , 2020, 32, 450-458.	1.6	91
25	Exact solutions for free convection flow of nanofluids with ramped wall temperature. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	87
26	Shape effects of MoS <sub>2</sub> nanoparticles on MHD slip flow of molybdenum disulphide nanofluid in a porous medium. <i>Journal of Molecular Liquids</i> , 2017, 233, 442-451.	2.3	87
27	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.	1.2	85
28	Chemically reactive bioconvection flow of tangent hyperbolic nanoliquid with gyrotactic microorganisms and nonlinear thermal radiation. <i>Heliyon</i> , 2020, 6, e031117.	1.4	82
29	Jaya optimization algorithm for transient response and stability enhancement of a fractional-order PID based automatic voltage regulator system. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2429-2440.	3.4	82
30	The impact silver nanoparticles on MHD free convection flow of Jeffrey fluid over an oscillating vertical plate embedded in a porous medium. <i>Journal of Molecular Liquids</i> , 2016, 222, 138-150.	2.3	81
31	Application of Atangana-Baleanu fractional derivative to MHD channel flow of CMC-based-CNT's nanofluid through a porous medium. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 79-85.	2.5	78
32	Boiling heat transfer characteristics of graphene oxide nanoplatelets nano-suspensions of water-perfluorohexane (C <sub>6</sub> F <sub>14</sub> ) and water-n-pentane. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4511-4521.	3.4	76
33	Entropy Generation and Consequences of MHD in Darcy-Forchheimer Nanofluid Flow Bounded by Non-Linearly Stretching Surface. <i>Symmetry</i> , 2020, 12, 652.	1.1	76
34	Application of fractional differential equations to heat transfer in hybrid nanofluid: modeling and solution via integral transforms. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	75
35	Unsteady Boundary Layer Flow and Heat Transfer of a Casson Fluid past an Oscillating Vertical Plate with Newtonian Heating. <i>PLoS ONE</i> , 2014, 9, e108763.	1.1	73
36	Atangana-Baleanu and Caputo Fabrizio Analysis of Fractional Derivatives for Heat and Mass Transfer of Second Grade Fluids over a Vertical Plate: A Comparative Study. <i>Entropy</i> , 2017, 19, 279.	1.1	72

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37	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
38	A new model of fractional Casson fluid based on generalized Fick's and Fourier's laws together with heat and mass transfer. AEJ - Alexandria Engineering Journal, 2020, 59, 2865-2876.	3.4	71
39	MHD Influence on different water based nanofluids (TiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , CuO) in porous medium with chemical reaction and newtonian heating. Chaos, Solitons and Fractals, 2020, 130, 109437.	2.5	70
40	Numerical Scrutinization of Darcy-Forchheimer Relation in Convective Magnetohydrodynamic Nanofluid Flow Bounded by Nonlinear Stretching Surface in the Perspective of Heat and Mass Transfer. Micromachines, 2021, 12, 374.	1.4	70
41	MHD Flow of Sodium Alginate-Based Casson Type Nanofluid Passing Through A Porous Medium With Newtonian Heating. Scientific Reports, 2018, 8, 8645.	1.6	69
42	Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. Propulsion and Power Research, 2020, 9, 159-168.	2.0	69
43	Activation energy on MHD flow of titanium alloy (Ti6Al4V) nanoparticle along with a cross flow and streamwise direction with binary chemical reaction and non-linear radiation: Dual Solutions. Journal of Materials Research and Technology, 2020, 9, 188-199.	2.6	67
44	Microstructure and inertial characteristics of a magnetite ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. Journal of Molecular Liquids, 2018, 255, 64-75.	2.3	66
45	Multiple slips effects on MHD SA-Al <sub>2</sub> O <sub>3</sub> and SA-Cu non-Newtonian nanofluids flow over a stretching cylinder in porous medium with radiation and chemical reaction. Results in Physics, 2018, 8, 213-222.	2.0	65
46	Impacts of gold nanoparticles on MHD mixed convection Poiseuille flow of nanofluid passing through a porous medium in the presence of thermal radiation, thermal diffusion and chemical reaction. Neural Computing and Applications, 2018, 30, 789-797.	3.2	65
47	Dual Solutions and Stability Analysis of a Hybrid Nanofluid over a Stretching/Shrinking Sheet Executing MHD Flow. Symmetry, 2020, 12, 276.	1.1	65
48	Heat Transfer in MHD Mixed Convection Flow of a Ferrofluid along a Vertical Channel. PLoS ONE, 2015, 10, e0141213.	1.1	65
49	Heat transfer analysis of fractional second-grade fluid subject to Newtonian heating with Caputo and Caputo-Fabrizio fractional derivatives: A comparison. European Physical Journal Plus, 2017, 132, 1.	1.2	64
50	A comprehensive report on convective flow of fractional (ABC) and (CF) MHD viscous fluid subject to generalized boundary conditions. Chaos, Solitons and Fractals, 2019, 118, 274-289.	2.5	63
51	A novel feature engineered-CatBoost-based supervised machine learning framework for electricity theft detection. Energy Reports, 2021, 7, 4425-4436.	2.5	63
52	A modern approach of Caputo's-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
53	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. Case Studies in Thermal Engineering, 2018, 12, 823-832.	2.8	62
54	A report on COVID-19 epidemic in Pakistan using SEIR fractional model. Scientific Reports, 2020, 10, 22268.	1.6	62

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55	Analysis and Dynamics of Fractional Order Mathematical Model of COVID-19 in Nigeria Using Atangana-Baleanu Operator. <i>Computers, Materials and Continua</i> , 2021, 66, 1823-1848.	1.5	62
56	Unsteady flow of generalized Casson fluid with fractional derivative due to an infinite plate. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	61
57	Fractional order mathematical model of monkeypox transmission dynamics. <i>Physica Scripta</i> , 2022, 97, 084005.	1.2	61
58	Analysis of the heat and mass transfer in the MHD flow of a generalized Casson fluid in a porous space via non-integer order derivatives without a singular kernel. <i>Chinese Journal of Physics</i> , 2017, 55, 1583-1595.	2.0	60
59	Unsteady MHD Falkner-Skan flow of Casson nanofluid with generative/destructive chemical reaction. <i>Chemical Engineering Science</i> , 2017, 172, 694-706.	1.9	60
60	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. <i>Coatings</i> , 2019, 9, 175.	1.2	60
61	Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100352.	2.8	60
62	Influence of Single- and Multi-Wall Carbon Nanotubes on Magnetohydrodynamic Stagnation Point Nanofluid Flow over Variable Thicker Surface with Concave and Convex Effects. <i>Mathematics</i> , 2020, 8, 104.	1.1	60
63	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.	1.2	58
64	Free convective micropolar fluid flow and heat transfer over a shrinking sheet with heat source. <i>Case Studies in Thermal Engineering</i> , 2018, 11, 113-119.	2.8	58
65	Thermal management of MHD nanofluid within the porous medium enclosed in a wavy shaped cavity with square obstacle in the presence of radiation heat source. <i>International Journal of Heat and Mass Transfer</i> , 2019, 139, 87-94.	2.5	58
66	Influence of Cattaneo-Christov model on Darcy-Forchheimer flow of Micropolar Ferrofluid over a stretching/shrinking sheet. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104385.	2.9	58
67	A Time Fractional Model of Generalized Couette Flow of Couple Stress Nanofluid With Heat and Mass Transfer: Applications in Engine Oil. <i>IEEE Access</i> , 2020, 8, 146944-146966.	2.6	58
68	MHD Natural Convection Flow of Casson Nanofluid over Nonlinearly Stretching Sheet Through Porous Medium with Chemical Reaction and Thermal Radiation. <i>Nanoscale Research Letters</i> , 2016, 11, 527.	3.1	57
69	Heat transfer analysis in a Maxwell fluid over an oscillating vertical plate using fractional Caputo-Fabrizio derivatives. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	57
70	Numerical Solution of Casson Nanofluid Flow Over a Non-linear Inclined Surface With Soret and Dufour Effects by Keller-Box Method. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	57
71	MHD Slip Flow of Casson Fluid along a Nonlinear Permeable Stretching Cylinder Saturated in a Porous Medium with Chemical Reaction, Viscous Dissipation, and Heat Generation/Absorption. <i>Symmetry</i> , 2019, 11, 531.	1.1	57
72	Stability Analysis of Darcy-Forchheimer Flow of Casson Type Nanofluid Over an Exponential Sheet: Investigation of Critical Points. <i>Symmetry</i> , 2019, 11, 412.	1.1	57

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73	Heat transfer exaggeration and entropy analysis in magneto-hybrid nanofluid flow over a vertical cone: a numerical study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2001-2017.	2.0	57
74	Magnetohydrodynamic flow of Cu-Fe <sub>3</sub> O <sub>4</sub> /H <sub>2</sub> O hybrid nanofluid with effect of viscous dissipation: dual similarity solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 915-927.	2.0	57
75	Unsteady Magnetohydrodynamic Free Convection Flow of a Second Grade Fluid in a Porous Medium with Ramped Wall Temperature. <i>PLoS ONE</i> , 2014, 9, e88766.	1.1	57
76	Unsteady MHD Mixed Convection Slip Flow of Casson Fluid over Nonlinearly Stretching Sheet Embedded in a Porous Medium with Chemical Reaction, Thermal Radiation, Heat Generation/Absorption and Convective Boundary Conditions. <i>PLoS ONE</i> , 2016, 11, e0165348.	1.1	57
77	Dual Solutions and Stability Analysis of Magnetized Hybrid Nanofluid with Joule Heating and Multiple Slip Conditions. <i>Processes</i> , 2020, 8, 332.	1.3	56
78	Dual thermal analysis of magnetohydrodynamic flow of nanofluids via modern approaches of Caputo-Fabrizio and Atangana-Baleanu fractional derivatives embedded in porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2197-2207.	2.0	55
79	Analysis of dual solution for MHD flow of Williamson fluid with slippage. <i>Heliyon</i> , 2019, 5, e01345.	1.4	54
80	CNTS-Water-Based Nanofluid Over a Stretching Sheet. <i>BioNanoScience</i> , 2019, 9, 21-29.	1.5	54
81	Some MHD Flows of a Second Grade Fluid through the Porous Medium. <i>Journal of Porous Media</i> , 2008, 11, 389-400.	1.0	54
82	Effect of <i>Moringa oleifera</i> leaf powder supplementation on growth performance and intestinal morphology in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 114-121.	1.0	53
83	Analytical Solutions of Fractional Walter's B Fluid with Applications. <i>Complexity</i> , 2018, 2018, 1-10.	0.9	53
84	Thermal effects of magnetohydrodynamic micropolar fluid embedded in porous medium with Fourier sine transform technique. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	53
85	Closed Form Solutions for Unsteady Free Convection Flow of a Second Grade Fluid over an Oscillating Vertical Plate. <i>PLoS ONE</i> , 2014, 9, e85099.	1.1	53
86	Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. <i>Entropy</i> , 2019, 21, 139.	1.1	53
87	Solutions with special functions for time fractional free convection flow of Brinkman-type fluid. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	52
88	Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. <i>Symmetry</i> , 2019, 11, 207.	1.1	52
89	Effects of Stefan Blowing and Slip Conditions on Unsteady MHD Casson Nanofluid Flow Over an Unsteady Shrinking Sheet: Dual Solutions. <i>Symmetry</i> , 2020, 12, 487.	1.1	52
90	Entropy Generation in Cu-Al <sub>2</sub> O <sub>3</sub> -H <sub>2</sub> O Hybrid Nanofluid Flow over a Curved Surface with Thermal Dissipation. <i>Entropy</i> , 2019, 21, 941.	1.1	51

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91	Boiling flow of graphene nanoplatelets nano-suspension on a small copper disk. Powder Technology, 2021, 377, 10-19.	2.1	51
92	NATURAL CONVECTION FLOW PAST AN OSCILLATING PLATE WITH NEWTONIAN HEATING. Heat Transfer Research, 2014, 45, 119-135.	0.9	51
93	Renewable energy resources and workforce case study Saudi Arabia: review and recommendations. Journal of Thermal Analysis and Calorimetry, 2020, 141, 221-230.	2.0	50
94	Magnetohydrodynamic (MHD) Flow of Micropolar Fluid with Effects of Viscous Dissipation and Joule Heating Over an Exponential Shrinking Sheet: Triple Solutions and Stability Analysis. Symmetry, 2020, 12, 142.	1.1	50
95	Influence of the nanoparticles and uniform magnetic field on the slip blood flows in arterial vessels. Physica Scripta, 2019, 94, 125218.	1.2	49
96	Enhancement of heat transfer rate of solar energy via rotating Jeffrey nanofluids using Caputo's fractional operator: An application to solar energy. Energy Reports, 2019, 5, 41-49.	2.5	49
97	Mathematical model of COVID-19 in Nigeria with optimal control. Results in Physics, 2021, 28, 104598.	2.0	48
98	Entropy Generation in MHD Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface under the Impact of Thermal Radiation and Heat Source/Sink. Applied Sciences (Switzerland), 2018, 8, 2588.	1.3	47
99	Darcy-Forchheimer flow and heat transfer augmentation of a viscoelastic fluid over an incessant moving needle in the presence of viscous dissipation. Microsystem Technologies, 2019, 25, 3399-3405.	1.2	47
100	Optical solitons of fractional complex Ginzburg-Landau equation with conformable, beta, and M-truncated derivatives: a comparative study. Advances in Difference Equations, 2020, 2020, .	3.5	47
101	Magnetic field effect on Poiseuille flow and heat transfer of carbon nanotubes along a vertical channel filled with Casson fluid. AIP Advances, 2017, 7, .	0.6	46
102	Intelligent computing Levenberg Marquardt approach for entropy optimized single-phase comparative study of second grade nanofluidic system. International Communications in Heat and Mass Transfer, 2021, 127, 105544.	2.9	46
103	Hydromagnetic Falkner-Skan flow of Casson fluid past a moving wedge with heat transfer. AEJ - Alexandria Engineering Journal, 2016, 55, 2139-2148.	3.4	45
104	Applications of non-integer Caputo time fractional derivatives to natural convection flow subject to arbitrary velocity and Newtonian heating. Neural Computing and Applications, 2018, 30, 1589-1599.	3.2	45
105	Novel technique of Atangana and Baleanu for heat dissipation in transmission line of electrical circuit. Chaos, Solitons and Fractals, 2019, 129, 40-45.	2.5	45
106	Energy transfer of Jeffery-Hamel nanofluid flow between non-parallel walls using Maxwell-Garnett (MG) and Brinkman models. Energy Reports, 2018, 4, 393-399.	2.5	44
107	Multiple solutions of Cu-C6H9NaO7 and Ag-C6H9NaO7 nanofluids flow over nonlinear shrinking surface. Journal of Central South University, 2019, 26, 1283-1293.	1.2	44
108	Thermally Enhanced Darcy-Forchheimer Casson-Water/Glycerine Rotating Nanofluid Flow with Uniform Magnetic Field. Micromachines, 2021, 12, 605.	1.4	44



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109	Influence of radially magnetic field properties in a peristaltic flow with internal heat generation: Numerical treatment. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101019.	2.8	44
110	Analysis of Stokes' Second Problem for Nanofluids Using Modern Approach of Atangana-Baleanu Fractional Derivative. <i>Journal of Nanofluids</i> , 2018, 7, 738-747.	1.4	44
111	Punica granatum peel extracts: HPLC fractionation and LC MS analysis to quest compounds having activity against multidrug resistant bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 247.	3.7	43
112	A new Caputo time fractional model for heat transfer enhancement of water based graphene nanofluid: An application to solar energy. <i>Results in Physics</i> , 2018, 9, 1352-1362.	2.0	43
113	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.	2.0	43
114	Symmetric MHD Channel Flow of Nonlocal Fractional Model of BTF Containing Hybrid Nanoparticles. <i>Symmetry</i> , 2020, 12, 663.	1.1	43
115	Optimal design of Fractional order PID controller based Automatic voltage regulator system using gradient-based optimization algorithm. <i>Journal of King Saud University, Engineering Sciences</i> , 2024, 36, 32-44.	1.2	43
116	Heat transfer in ferrofluid with cylindrical shape nanoparticles past a vertical plate with ramped wall temperature embedded in a porous medium. <i>Journal of Molecular Liquids</i> , 2016, 221, 1175-1183.	2.3	42
117	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.	1.6	42
118	Numerical simulation for bioconvection effects on MHD flow of Oldroyd-B nanofluids in a rotating frame stretching horizontally. <i>Mathematics and Computers in Simulation</i> , 2020, 178, 166-182.	2.4	42
119	New exact solutions of Stokes' second problem for an MHD second grade fluid in a porous space. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 521-525.	1.4	41
120	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.	1.7	41
121	Natural convection channel flow of CMC-based CNTs nanofluid. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	41
122	A mathematical analysis of a circular pipe in rate type fluid via Hankel transform. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	41
123	Quadruple solutions of mixed convection flow of magnetohydrodynamic nanofluid over exponentially vertical shrinking and stretching surfaces: Stability analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 182, 105044.	2.6	41
124	Simulation of convection heat transfer of magnetic nanoparticles including entropy generation using CVFEM. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 146-156.	2.5	41
125	Convection in ethylene glycol-based molybdenum disulfide nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 523-532.	2.0	41
126	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101136.	2.8	41



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127	Analytical treatment of radiative Casson fluid over an isothermal inclined Riga surface with aspects of chemically reactive species. AEJ - Alexandria Engineering Journal, 2021, 60, 4243-4253.	3.4	41
128	Analysis of heat transfer for unsteady MHD free convection flow of rotating Jeffrey nanofluid saturated in a porous medium. Results in Physics, 2017, 7, 288-309.	2.0	40
129	Exponentially varying viscosity of magnetohydrodynamic mixed convection Eyring-Powell nanofluid flow over an inclined surface. Results in Physics, 2018, 8, 1194-1203.	2.0	40
130	First-principles study of BiFeO <sub>3</sub> and BaTiO <sub>3</sub> in tetragonal structure. International Journal of Modern Physics B, 2019, 33, 1950231.	1.0	40
131	Numerical Solution of Non-Newtonian Fluid Flow Due to Rotatory Rigid Disk. Symmetry, 2019, 11, 699.	1.1	40
132	Fractional Order Forced Convection Carbon Nanotube Nanofluid Flow Passing Over a Thin Needle. Symmetry, 2019, 11, 312.	1.1	40
133	Mixed Convection in MHD Water-Based Molybdenum Disulfide-Graphene Oxide Hybrid Nanofluid through an Upright Cylinder with Shape Factor. Water (Switzerland), 2020, 12, 1723.	1.2	40
134	On the Cattaneo-Christov Heat Flux Model and OHAM Analysis for Three Different Types of Nanofluids. Applied Sciences (Switzerland), 2020, 10, 886.	1.3	40
135	Thermal analysis of a binary base fluid in pool boiling system of glycol-water alumina nano-suspension. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2453-2462.	2.0	40
136	SARS-CoV-2 infection with lytic and non-lytic immune responses: A fractional order optimal control theoretical study. Results in Physics, 2021, 26, 104260.	2.0	40
137	An Exact Analysis of Heat and Mass Transfer Past a Vertical Plate with Newtonian Heating. Journal of Applied Mathematics, 2013, 2013, 1-9.	0.4	39
138	Conjugate Effects of Heat and Mass Transfer on MHD Free Convection Flow over an Inclined Plate Embedded in a Porous Medium. PLoS ONE, 2013, 8, e65223.	1.1	39
139	Entropy generation in MHD mixed convection stagnation-point flow in the presence of joule and frictional heating. Case Studies in Thermal Engineering, 2018, 12, 292-300.	2.8	39
140	Dual similarity solutions of MHD stagnation point flow of Casson fluid with effect of thermal radiation and viscous dissipation: stability analysis. Scientific Reports, 2020, 10, 15405.	1.6	39
141	Heat transfer analysis in sodium alginate based nanofluid using MoS <sub>2</sub> nanoparticles: Atangana-Baleanu fractional model. Chaos, Solitons and Fractals, 2020, 130, 109445.	2.5	38
142	Brownian diffusion and thermophoresis mechanisms in Casson fluid over a moving wedge. Results in Physics, 2018, 9, 183-194.	2.0	37
143	Thermal analysis in Stokes' second problem of nanofluid: Applications in thermal engineering. Case Studies in Thermal Engineering, 2018, 12, 271-275.	2.8	37
144	Chaotic dynamics and chaos control for the fractional-order geomagnetic field model. Chaos, Solitons and Fractals, 2019, 128, 390-401.	2.5	37

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