Waqar A Khan

List of Publications by Year in descending order

373 papers	12,089 citations	38660 50 h-index	46693 89 g-index
378 all docs	378 docs citations	378 times ranked	3660 citing authors

#	Article	IF	Citations
1	Cattaneo–Christov double diffusion on micropolar magneto cross nanofluids with entropy generation. Indian Journal of Physics, 2022, 96, 193-208.	0.9	14
2	Carbon nanotubes-water between stretchable rotating disks with convective boundary conditions: Darcy-Forchheimer scheme. International Journal of Ambient Energy, 2022, 43, 3981-3994.	1.4	14
3	Double–diffusive flow in a porous right–angle trapezoidal enclosure with constant heat flux. Mathematical Methods in the Applied Sciences, 2022, 45, 3305-3317.	1.2	13
4	Mathematical Modeling and MHD Flow of Micropolar Fluid Toward an Exponential Curved Surface: Heat Analysis via Ohmic Heating and Heat Source/Sink. Arabian Journal for Science and Engineering, 2022, 47, 867-878.	1.7	17
5	Multiple slip effects on nanofluid dissipative flow in a converging/diverging channel: A numerical study. Heat Transfer, 2022, 51, 1040-1061.	1.7	23
6	Natural convection in an L-shaped enclosure using multi-relaxation time lattice Boltzmann method. Indian Journal of Physics, 2022, 96, 2921-2939.	0.9	4
7	Nanoparticles as Novel Emerging Therapeutic Antibacterial Agents in the Antibiotics Resistant Era. Biological Trace Element Research, 2021, 199, 2552-2564.	1.9	48
8	Cu–Al2O3–H2O hybrid nanofluid flow with melting heat transfer, irreversibility analysis and nonlinear thermal radiation. Journal of Thermal Analysis and Calorimetry, 2021, 143, 973-984.	2.0	95
9	Importance of heat generation in chemically reactive flow subjected to convectively heated surface. Indian Journal of Physics, 2021, 95, 89-97.	0.9	35
10	Nanoscale heat transfer investigation of an array of impinging jet systems with different working fluids under crossflow with and without pin fins. Heat Transfer, 2021, 50, 81-104.	1.7	2
11	Influence of carbon nanotubes on heat transfer in MHD nanofluid flow over a stretchable rotating disk: A numerical study. Heat Transfer, 2021, 50, 619-637.	1.7	21
12	Generalized Fourier's Law and Darcy–Forchheimer Forced/Mixed Convective Flow Towards a Riga Plate with Second-Order Velocity Slip: A Numerical Study. International Journal of Computational Methods, 2021, 18, 2042002.	0.8	1
13	Numerical study of forced convection heat transfer across a cylinder with various cross sections. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2039-2052.	2.0	13
14	Entropy optimization analysis on nonlinear thermal radiative electromagnetic Darcy–Forchheimer flow of SWCNT/MWCNT nanomaterials. Applied Nanoscience (Switzerland), 2021, 11, 399-418.	1.6	39
15	<scp>CVFEM</scp> based numerical investigation and mathematical modeling of surface dependent magnetized <scp>copper–oxide</scp> nanofluid flow using new model of porous space. Numerical Methods for Partial Differential Equations, 2021, 37, 1481-1494.	2.0	9
16	Non-Newtonian fluid flow around a Y-shaped fin embedded in a square cavity. Journal of Thermal Analysis and Calorimetry, 2021, 143, 573-585.	2.0	38
17	Improving Object Detection in Real-World Traffic Scenes. Communications in Computer and Information Science, 2021, , 288-299.	0.4	0
18	Numerical Study of Nanofluid Transport Subjected to the Collective Approach of Generalized Slip Condition and Radiative Phenomenon. Arabian Journal for Science and Engineering, 2021, 46, 6049-6059.	1.7	7

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19	Wall reabsorption effects on heat and mass transfer of viscous fluid in a narrow leaky tube. SN Applied Sciences, 2021, 3, 1.	1.5	2
20	Micropolar ferrofluid flow via natural convective about a radiative isoflux sphere. Advances in Mechanical Engineering, 2021, 13, 168781402199439.	0.8	10
21	A Novel Method for Solution of Fractional Order Two-Dimensional Nonlocal Heat Conduction Phenomena. Mathematical Problems in Engineering, 2021, 2021, 1-17.	0.6	1
22	Mixed Convection of Hybrid Nanofluid in an Inclined Enclosure with a Circular Center Heater under Inclined Magnetic Field. Coatings, 2021, 11, 506.	1.2	31
23	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	6
24	Thermo-solutal Robin conditions significance in thermally radiative nanofluid under stratification and magnetohydrodynamics. European Physical Journal: Special Topics, 2021, 230, 1307-1316.	1.2	20
25	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.	1.6	3
26	Numerical analysis of time-dependent stagnation point flow of Oldroyd-B fluid subject to modified Fourier's law. International Journal of Modern Physics B, 2021, 35, 2150187.	1.0	1
27	Thermal non-equilibrium natural convection in a trapezoidal porous cavity with heated cylindrical obstacles. International Communications in Heat and Mass Transfer, 2021, 126, 105460.	2.9	27
28	Numerical Investigation of Mixed Convective Williamson Fluid Flow Over an Exponentially Stretching Permeable Curved Surface. Fluids, 2021, 6, 260.	0.8	24
29	Forecasting Stock Market Volatility Using Hybrid of Adaptive Network of Fuzzy Inference System and Wavelet Functions. Journal of Mathematics, 2021, 2021, 1-10.	0.5	11
30	The Effects of Newtonian heating and velocity ratio on entropy generationc in thermally dissipating flow above a thin needle. Case Studies in Thermal Engineering, 2021, 26, 101107.	2.8	4
31	Irreversibilities in natural convection inside a right-angled trapezoidal cavity with sinusoidal wall temperature. Physics of Fluids, 2021, 33, .	1.6	30
32	Artificial Neural Networks for Prediction of Covid-19 in Saudi Arabia. Computers, Materials and Continua, 2021, 66, 2787-2796.	1.5	23
33	Application of Metaheuristic Algorithms for Optimizing Longitudinal Square Porous Fins. Computers, Materials and Continua, 2021, 67, 73-87.	1.5	3
34	Using Artificial Neural Network with Prey Predator Algorithm for Prediction of the COVID-19: The Case of Brazil and Mexico. Mathematics, 2021, 9, 180.	1.1	21
35	Slip Microrotation Flow of Silver-Sodium Alginate Nanofluid via Mixed Convection in a Porous Medium. Mathematics, 2021, 9, 3232.	1.1	5
36	A rheological analysis of nanofluid subjected to melting heat transport characteristics. Applied Nanoscience (Switzerland), 2020, 10, 3161-3170.	1.6	65

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37	Mathematical modeling and analysis of Cross nanofluid flow subjected to entropy generation. Applied Nanoscience (Switzerland), 2020, 10, 3149-3160.	1.6	47
38	Computational analysis of entropy generation for cross-nanofluid flow. Applied Nanoscience (Switzerland), 2020, 10, 3045-3055.	1.6	45
39	High mobility ReSe$_2$ field effect transistors: Schottky-barrier-height-dependent photoresponsivity and broadband light detection with Co decoration. 2D Materials, 2020, 7, 015010.	2.0	36
40	Models and Correlations for Rarefied Gas Flows in Polygonal and Trapezoidal Microducts. Journal of Thermophysics and Heat Transfer, 2020, 34, 296-303.	0.9	2
41	Small Wind Turbine Blade Design and Optimization. Symmetry, 2020, 12, 18.	1.1	28
42	A computational study of unsteady radiative magnetohydrodynamic Blasius and Sakiadis flow with leadingâ€edge accretion (ablation). Heat Transfer, 2020, 49, 1355-1373.	1.7	11
43	Hydromagnetic flow of ferrofluid in an enclosed partially heated trapezoidal cavity filled with a porous medium. Journal of Magnetism and Magnetic Materials, 2020, 499, 166241.	1.0	74
44	Von KÃ¡rmÃ¡n swirling analysis for modeling Oldroyd-B nanofluid considering cubic autocatalysis. Physica Scripta, 2020, 95, 015206.	1.2	28
45	A note on activation energy and magnetic dipole aspects for Cross nanofluid subjected to cylindrical surface. Applied Nanoscience (Switzerland), 2020, 10, 3235-3244.	1.6	44
46	Heat Transfer in Cadmium Telluride-Water Nanofluid over a Vertical Cone under the Effects of Magnetic Field inside Porous Medium. Processes, 2020, 8, 7.	1.3	14
47	Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet. Applied Nanoscience (Switzerland), 2020, 10, 3001-3009.	1.6	47
48	Gut inflammation exacerbates hepatic injury in C57BL/6J mice *via* gut-vascular barrier dysfunction with high-fat-incorporated meat protein diets. Food and Function, 2020, 11, 9168-9176.	2.1	8
49	Finite element analysis of hybrid nanofluid flow and heat transfer in a split lid-driven square cavity with Y-shaped obstacle. Physics of Fluids, 2020, 32, .	1.6	64
50	Irreversibility analysis of Cu-TiO2-H2O hybrid-nanofluid impinging on a 3-D stretching sheet in a porous medium with nonlinear radiation: Darcy-Forchhiemerâ€™s model. AEJ - Alexandria Engineering Journal, 2020, 59, 5247-5261.	3.4	65
51	Heat generation in mixed convected Williamson liquid stretching flow under generalized Fourier concept. Applied Nanoscience (Switzerland), 2020, 10, 4439-4444.	1.6	23
52	Numerical simulation for MHD Darcyâ€"Forchheimer three-dimensional stagnation point flow by a rotating disk with activation energy and partial slip. Applied Nanoscience (Switzerland), 2020, 10, 5469-5477.	1.6	9
53	Entropy generation analysis of triple diffusive flow past a horizontal plate in porous medium. Chemical Engineering Science, 2020, 228, 115980.	1.9	38
54	Mixed convection of single-walled carbon nanotubes in a triangular cavity containing a pentagonal impediment. IOP Conference Series: Materials Science and Engineering, 2020, 839, 012021.	0.3	3

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55	Role of dipole interactions in Darcyâ€"Forchheimer first-order velocity slip nanofluid flow of Williamson model with Robin conditions. Applied Nanoscience (Switzerland), 2020, 10, 5343-5350.	1.6	11
56	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.	1.6	1
57	Self-powered photo-thermo electrochemical sensor for harvesting of low photo thermal energy. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-13.	1.2	1
58	Heat sink/source and chemical reaction in stagnation pointÂflow ofÂMaxwell nanofluid. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	30
59	Hypercongruences in fuzzy AG-hypergroupoids. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4197-4209.	0.8	0
60	Effects of volume fraction on water-based carbon nanotubes flow in a right-angle trapezoidal cavity: FEM based analysis. International Communications in Heat and Mass Transfer, 2020, 116, 104640.	2.9	56
61	Lie Group Analysis of Unsteady Flow of Kerosene/Cobalt Ferrofluid Past A Radiated Stretching Surface with Navier Slip and Convective Heating. Mathematics, 2020, 8, 826.	1.1	13
62	Evaluation of Arrhenius activation energy and new mass flux condition in Carreau nanofluid: dual solutions. Applied Nanoscience (Switzerland), 2020, 10, 5279-5289.	1.6	15
63	Mathematical modeling and chemical conduct considering non-Newtonian nanofluid by utilizing heat flux features. Soft Computing, 2020, 24, 11829-11839.	2.1	5
64	Activation energy analysis in entropy optimized reactive flow. Applied Nanoscience (Switzerland), 2020, 10, 2673-2683.	1.6	3
65	Non-Similar Solution of G-jitter Induced Unsteady Magnetohydrodynamic Radiative Slip Flow of Nanofluid. Applied Sciences (Switzerland), 2020, 10, 1420.	1.3	8
66	Cu-Al2O3 Water Hybrid Nanofluid Transport in a Periodic Structure. Processes, 2020, 8, 285.	1.3	20
67	On Fluid Flow Field Visualization in a Staggered Cavity: A Numerical Result. Processes, 2020, 8, 226.	1.3	5
68	Irreversibility Analysis and Heat Transport in Squeezing Nanoliquid Flow of Non-Newtonian (Second-Grade) Fluid Between Infinite Plates with Activation Energy. Arabian Journal for Science and Engineering, 2020, 45, 4939-4947.	1.7	101
69	Arrhenius activation energy aspects in mixed convection Carreau nanofluid with nonlinear thermal radiation. Applied Nanoscience (Switzerland), 2020, 10, 4403-4413.	1.6	27
70	Finite Element Analysis on Binghamâ€"Papanastasiou Viscoplastic Flow in a Channel with Circular/Square Obstacles: A Comparative Benchmarking. Processes, 2020, 8, 779.	1.3	5
71	Transportation of water-based trapped bolus of SWCNTs and MWCNTs with entropy optimization in a non-uniform channel. Neural Computing and Applications, 2020, 32, 13565-13576.	3.2	22
72	A shear-rate-dependent flow generated via magnetically controlled metachronal motion of artificial cilia. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1713-1724.	1.4	12

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73	Framing the MHD Micropolar-Nanofluid Flow in Natural Convection Heat Transfer over a Radiative Truncated Cone. Processes, 2020, 8, 379.	1.3	17
74	Numerical analysis of unsteady Carreau nanofluid flow with variable conductivity. Applied Nanoscience (Switzerland), 2020, 10, 3075-3084.	1.6	25
75	Slip Flow Models for Gas Flows in Rectangular, Trapezoidal, and Hexagonal Microchannels. AIAA Journal, 2020, 58, 2147-2155.	1.5	1
76	Physical significance of chemical processes and Lorentzâ€™s forces aspects on Sisko fluid flow in curved configuration. Soft Computing, 2020, 24, 16213-16223.	2.1	18
77	Variable Wall Permeability Effects on Flow and Heat Transfer in a Leaky Channel Containing Water-Based Nanoparticles. Processes, 2020, 8, 427.	1.3	1
78	MHD squeezed Darcyâ€"Forchheimer nanofluid flow between two hâ€"distance apart horizontal plates. Open Physics, 2020, 18, 1100-1107.	0.8	24
79	Effects of gaseous slip flow and temperature jump on entropy generation rate in rectangular microducts. Thermal Science, 2020, 24, 3001-3011.	0.5	2
80	Micropolar mixed convective flow with Cattaneo-Christov heat flux: Non-fourier heat conduction analysis. Thermal Science, 2020, 24, 1345-1356.	0.5	3
81	Polymorphic information and genetic diversity in Brassica species revealed by RAPD markers. Biocell, 2020, 44, 769-776.	0.4	7
82	Effects of Combined Heat and Mass Transfer on Entropy Generation due to MHD Nanofluid Flow over a Rotating Frame. Computers, Materials and Continua, 2020, 66, 575-587.	1.5	28
83	Second Law Analysis and Optimization of Elliptical Pin Fin Heat Sinks Using Firefly Algorithm. Computers, Materials and Continua, 2020, 65, 1015-1032.	1.5	1
84	Heat transfer analysis in magnetohydrodynamic thermal nanofluid using Keller-box method. Thermal Science, 2020, 24, 1243-1250.	0.5	1
85	Rarefied Gas Flows in Long Circular and Square Microchannels. Journal of Thermophysics and Heat Transfer, 2020, 34, 792-800.	0.9	2
86	Effect of viscous dissipation on MHD water-Cu and EG-Cu nanofluids flowing through a porous medium. Journal of Thermal Analysis and Calorimetry, 2019, 135, 645-656.	2.0	11
87	Thermodynamic Analysis of MHD Heat and Mass Transfer of Nanofluids Past a Static Wedge with Navier Slip and Convective Boundary Conditions. Arabian Journal for Science and Engineering, 2019, 44, 1255-1267.	1.7	36
88	Interpretation of Chemical Reactions and Activation Energy for Unsteady 3D Flow of Eyringâ€"Powell Magneto-Nanofluid. Arabian Journal for Science and Engineering, 2019, 44, 579-589.	1.7	20
89	Numerical Simulation of a Water Jet Impacting a Titanium Target. Lecture Notes in Mechanical Engineering, 2019, , 239-247.	0.3	0
90	Natural convection of water-based carbon nanotubes in a partially heated rectangular fin-shaped cavity with an inner cylindrical obstacle. Physics of Fluids, 2019, 31, .	1.6	92

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91	Modeling and analysis of von Kármán swirling flow for Oldroyd-B nanofluid featuringÂchemical processes. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	11
92	Numerical Study of Natural Convection Flow of Nanofluid Past a Circular Cone with Cattaneoâ€"Christov Heat and Mass Flux Models. Symmetry, 2019, 11, 1363.	1.1	9
93	Electrospun Nanofibers: Preparation, Characterization and Atmospheric Fog Capturing Capabilities. Fibers and Polymers, 2019, 20, 2090-2098.	1.1	10
94	Darcyâ€"Forchheimer stratified flow of viscoelastic nanofluid subjected to convective conditions. Applied Nanoscience (Switzerland), 2019, 9, 2031-2037.	1.6	23
95	Melting Flow in Wire Coating of a Third Grade Fluid over a Die Using Reynoldsâ€™ and Vogelâ€™s Models with Non-Linear Thermal Radiation and Joule Heating. Materials, 2019, 12, 3074.	1.3	19
96	Theoretical and mathematical analysis of entropy generation in fluid flow subject to aluminum and ethylene glycol nanoparticles. Computer Methods and Programs in Biomedicine, 2019, 182, 105057.	2.6	19
97	Importance of entropy generation and infinite shear rate viscosity for non-Newtonian nanofluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	26
98	Heat transfer enhancement for Maxwell nanofluid flow subject to convective heat transport. Pramana - Journal of Physics, 2019, 92, 1.	0.9	33
99	Thermodynamic Analysis of Entropy Generation Minimization in Thermally Dissipating Flow Over a Thin Needle Moving in a Parallel Free Stream of Two Newtonian Fluids. Entropy, 2019, 21, 74.	1.1	20
100	Numerical Solution of Non-Newtonian Fluid Flow Due to Rotatory Rigid Disk. Symmetry, 2019, 11, 699.	1.1	40
101	Numerical treatment of activation energy for the three-dimensional flow of a cross magnetonanoliquid with variable conductivity. Pramana - Journal of Physics, 2019, 93, 1.	0.9	18
102	Non-enzymatic glucose sensor with electrodeposited silver/carbon nanotubes composite electrode. Bioscience Reports, 2019, 39, .	1.1	18
103	Modified MHD Radiative Mixed Convective Nanofluid Flow Model with Consideration of the Impact of Freezing Temperature and Molecular Diameter. Symmetry, 2019, 11, 833.	1.1	11
104	Recent developments in modeling and simulation of entropy generation for dissipative cross material with quartic autocatalysis. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	54
105	Modeling and Optimization of Gaseous Thermal Slip Flow in Rectangular Microducts Using a Particle Swarm Optimization Algorithm. Symmetry, 2019, 11, 488.	1.1	6
106	Unsteady MHD Flow in a Porous Channel with Thermal Radiation and Heat Source/Sink. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	19
107	Effect of melting and heat generation/absorption on Sisko nanofluid over a stretching surface with nonlinear radiation. Physica Scripta, 2019, 94, 065701.	1.2	38
108	Characteristics of chemical processes and heat source/sink with wedge geometry. Case Studies in Thermal Engineering, 2019, 14, 100432.	2.8	22

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109	Unsteady Nano-Liquid Spray with Thermal Radiation Comprising CNTs. Processes, 2019, 7, 181.	1.3	7
110	Impact of homogeneousâ€"heterogeneous reactions and non-Fourier heat flux theory in Oldroyd-B fluid with variable conductivity. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	32
111	Consequence of convective conditions for flow of Oldroyd-B nanofluid by a stretching cylinder. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	22
112	Numerical Analysis of the Behavior of A New Aeronautical Alloy (Ti555-03) Under the Effect of A High-Speed Water Jet. China Ocean Engineering, 2019, 33, 114-126.	0.6	7
113	Enhancing fire and mechanical strengths of epoxy nanocomposites for metal/metal bonding of aircraft aluminum alloys. Polymer Composites, 2019, 40, 3691-3702.	2.3	16
114	Influence of binary chemical reaction with Arrhenius activation energy in MHD nonlinear radiative flow of unsteady Carreau nanofluid: dual solutions. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	52
115	C-matrix and invariants in chemical kinetics: A mathematical concept. Pramana - Journal of Physics, 2019, 92, 1.	0.9	25
116	A review of single phase adaptive auto-reclosing schemes for EHV transmission lines. Protection and Control of Modern Power Systems, 2019, 4, .	4.3	12
117	Entropy Generation and Heat Transfer in Drilling Nanoliquids with Clay Nanoparticles. Entropy, 2019, 21, 1226.	1.1	13
118	Magnetohydrodynamic Stagnation Point Flow of a Maxwell Nanofluid with Variable Conductivity. Communications in Theoretical Physics, 2019, 71, 1493.	1.1	16
119	Mixed Convective Flow of Micropolar Nanofluid across a Horizontal Cylinder in Saturated Porous Medium. Applied Sciences (Switzerland), 2019, 9, 5241.	1.3	34
120	Numerical interpretation of autocatalysis chemical reaction for nonlinear radiative 3D flow of cross magnetofluid. Pramana - Journal of Physics, 2019, 92, 1.	0.9	41
121	CNTS-Waterâ€"Based Nanofluid Over a Stretching Sheet. BioNanoScience, 2019, 9, 21-29.	1.5	54
122	Theoretical aspects of thermophoresis and Brownian motion for three-dimensional flow of the cross fluid with activation energy. Pramana - Journal of Physics, 2019, 92, 1.	0.9	47
123	Consequences of activation energy and binary chemical reaction for 3D flow of Cross-nanofluid with radiative heat transfer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	89
124	Natural bioconvection flow of a nanofluid containing gyrotactic microorganisms about a truncated cone. European Journal of Mechanics, B/Fluids, 2019, 75, 133-142.	1.2	115
125	Distribution of Orientia tsutsugamushi in rodents and mites collected from Central India. Environmental Monitoring and Assessment, 2019, 191, 82.	1.3	6
126	Impact of non-uniform heat sink/source and convective condition in radiative heat transfer to Oldroyd-B nanofluid: A revised proposed relation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 376-382.	0.9	45

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127	The Stokes' second problem for nanofluids. Journal of King Saud University - Science, 2019, 31, 61-65.	1.6	21
128	Prediction of thermal conductivities of polyacrylonitrile electrospun nanocomposite fibers using artificial neural network and prey predator algorithm. Journal of King Saud University - Science, 2019, 31, 618-627.	1.6	15
129	Hydrothermally Grown Copper-Doped ZnO Nanorods on Flexible Substrate. Journal of Nanoelectronics and Optoelectronics, 2019, 14, 1503-1511.	0.1	5
130	MHD Flow of Nanofluid Flow Across Horizontal Circular Cylinder: Steady Forced Convection. Journal of Nanofluids, 2019, 8, 179-186.	1.4	62
131	Forced Convection of Nanofluid Flow Across Horizontal Elliptical Cylinder with Constant Heat Flux Boundary Condition. Journal of Nanofluids, 2019, 8, 386-393.	1.4	12
132	Instigated Photonic Response of 1-D ZnO Nanostructures Grown on Surface-State Modified Seed Crystals. Journal of Nanoelectronics and Optoelectronics, 2019, 14, 1388-1393.	0.1	1
133	Thermodynamic analysis of MHD Couette–Poiseuille flow of water-based nanofluids in a rotating channel with radiation and Hall effects. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1899-1912.	2.0	45
134	Thermophysical properties of unsteady 3D flow of magneto Carreau fluid in the presence of chemical species: a numerical approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	15
135	Multiple slips effects on MHD SA-Al2O3 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
136	Interaction between chemical species and generalized Fourier's law on 3D flow of Carreau fluid with variable thermal conductivity and heat sink/source: A numerical approach. Results in Physics, 2018, 10, 107-117.	2.0	50
137	Melting and second order slip effect on convective flow of nanofluid past a radiating stretching/shrinking sheet. Propulsion and Power Research, 2018, 7, 60-71.	2.0	21
138	On model for three-dimensional Carreau fluid flow with Cattaneo–Christov double diffusion and variable conductivity: a numerical approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	31
139	Single Phase Adaptive Autoreclosing Scheme Based on Continuous Wavelet Transform. , 2018, , .		3
140	Numerical Study of Unsteady MHD Flow and Entropy Generation in a Rotating Permeable Channel with Slip and Hall Effects. Communications in Theoretical Physics, 2018, 70, 641.	1.1	36
141	Behavior of stratifications and convective phenomena in mixed convection flow of 3D Carreau nanofluid with radiative heat flux. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	14
142	Impact of autocatalysis chemical reaction on nonlinear radiative heat transfer of unsteady three-dimensional Eyring–Powell magneto-nanofluid flow. Pramana - Journal of Physics, 2018, 91, 1.	0.9	56
143	Significance of static–moving wedge for unsteady Falkner–Skan forced convective flow of MHD cross fluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	36
144	Thermal and solutal stratifications in flow of Oldroyd-B nanofluid with variable conductivity. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	37

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145	Simultaneous investigation of MHD and convective phenomena on time-dependent flow of Carreau nanofluid with variable properties: Dual solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2334-2342.	0.9	28
146	Numerical study of unsteady hydromagnetic radiating fluid flow past a slippery stretching sheet embedded in a porous medium. Physics of Fluids, 2018, 30, .	1.6	58
147	Optimization of Microchannel Heat Sinks Using Prey-Predator Algorithm and Artificial Neural Networks. Machines, 2018, 6, 26.	1.2	23
148	Modern development on the features of magnetic field and heat sink/source in Maxwell nanofluid subject to convective heat transport. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1992-2002.	0.9	84
149	Aspects of improved heat conduction relation and chemical processes in 3D Carreau fluid flow. Pramana - Journal of Physics, 2018, 91, 1.	0.9	14
150	Entropy Generation Due to MHD Stagnation Point Flow of a Nanofluid on a Stretching Surface in the Presence of Radiation. Journal of Nanofluids, 2018, 7, 879-890.	1.4	28
151	Stagnation point flow of MHD chemically reacting nanofluid over a stretching convective surface with slip and radiative heat. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 695-703.	1.4	87
152	Magneto-Hemodynamics of Nanofluid with Heat and Mass Transfer in a Slowly Varying Symmetrical Channel. International Journal of Engineering Research in Africa, 2017, 28, 118-141.	0.7	19
153	Viscous dissipation effects on unsteady mixed convective stagnation point flow using Tiwari-Das nanofluid model. Results in Physics, 2017, 7, 280-287.	2.0	27
154	Dual Solutions of MHD Boundary Layer Flow of a Micropolar Fluid with Weak Concentration over a Stretching/Shrinking Sheet. Communications in Theoretical Physics, 2017, 67, 449.	1.1	19
155	Thermodynamic Optimization of New Combined Gas/Steam Power Cycles with HRSG and Heat Exchanger. Arabian Journal for Science and Engineering, 2017, 42, 4547-4558.	1.7	18
156	Impact of nonlinear thermal radiation and gyrotactic microorganisms on the Magneto-Burgers nanofluid. International Journal of Mechanical Sciences, 2017, 130, 375-382.	3.6	162
157	Bioconvection nanofluid slip flow past a wavy surface with applications in nano-biofuel cells. Chinese Journal of Physics, 2017, 55, 2048-2063.	2.0	67
158	An improved heat conduction and mass diffusion models for rotating flow of an Oldroyd-B fluid. Results in Physics, 2017, 7, 3583-3589.	2.0	55
159	A new modeling for 3D Carreau fluid flow considering nonlinear thermal radiation. Results in Physics, 2017, 7, 2692-2704.	2.0	71
160	Impact of forced convective radiative heat and mass transfer mechanisms on 3D Carreau nanofluid: A numerical study. European Physical Journal Plus, 2017, 132, 1.	1.2	21
161	Viscous Dissipation Effects in Water Driven Carbon Nanotubes along a Stream Wise and Cross Flow Direction. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	9
162	Hydromagnetic flow of a variable viscosity nanofluid in a rotating permeable channel with hall effects. Journal of Engineering Thermophysics, 2017, 26, 553-566.	0.6	32

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