Waqar A Khan

List of Publications by Year in Descending Order

357 papers	8,999 citations	45 h-index	80 g-index
378 ext. papers	10,400 ext. citations	2.6 avg, IF	7.21 L-index

#	Paper	IF	Citations
357	Multiple slip effects on nanofluid dissipative flow in a converging/diverging channel: A numerical study. *Heat Transfer*, **2022**, 51, 1040	3.1	5
356	Nanoparticles as Novel Emerging Therapeutic Antibacterial Agents in the Antibiotics Resistant Era. *Biological Trace Element Research*, **2021**, 199, 2552-2564	4.5	17
355	A Novel Method for Solution of Fractional Order Two-Dimensional Nonlocal Heat Conduction Phenomena. *Mathematical Problems in Engineering*, **2021**, 2021, 1-17	1.1	1
354	Mixed Convection of Hybrid Nanofluid in an Inclined Enclosure with a Circular Center Heater under Inclined Magnetic Field. *Coatings*, **2021**, 11, 506	2.9	13
353	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. *Mathematical Problems in Engineering*, **2021**, 2021, 1-13	1.1	2
352	Thermo-solutal Robin conditions significance in thermally radiative nanofluid under stratification and magnetohydrodynamics. *European Physical Journal: Special Topics*, **2021**, 230, 1307-1316	2.3	4
351	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	4.9	0
350	Numerical analysis of time-dependent stagnation point flow of Oldroyd-B fluid subject to modified Fourier□ law. *International Journal of Modern Physics B*, **2021**, 35, 2150187	1.1	1
349	Thermal non-equilibrium natural convection in a trapezoidal porous cavity with heated cylindrical obstacles. *International Communications in Heat and Mass Transfer*, **2021**, 126, 105460	5.8	10
348	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	4.1	46
347	Importance of heat generation in chemically reactive flow subjected to convectively heated surface. *Indian Journal of Physics*, **2021**, 95, 89-97	1.4	9
346	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	3.1	0
345	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	3.1	13
344	Generalized Fourier□ Law and Darcy□orchheimer Forced/Mixed Convective Flow Towards a Riga Plate with Second-Order Velocity Slip: A Numerical Study. *International Journal of Computational Methods*, **2021**, 18, 2042002	1.1	
343	Numerical study of forced convection heat transfer across a cylinder with various cross sections. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2039-2052	4.1	7
342	Entropy optimization analysis on nonlinear thermal radiative electromagnetic Darcy□orchheimer flow of SWCNT/MWCNT nanomaterials. *Applied Nanoscience (Switzerland)*, **2021**, 11, 399-418	3.3	24
341	CVFEM based numerical investigation and mathematical modeling of surface dependent magnetized copper-oxide nanofluid flow using new model of porous space. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 1481-1494	2.5	7

340	Non-Newtonian fluid flow around a Y-shaped fin embedded in a square cavity. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 573-585	4.1	19
339	Improving Object Detection in Real-World Traffic Scenes. *Communications in Computer and Information Science*, **2021**, 288-299	0.3	
338	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	2.5	2
337	Wall reabsorption effects on heat and mass transfer of viscous fluid in a narrow leaky tube. *SN Applied Sciences*, **2021**, 3, 1	1.8	2
336	Micropolar ferrofluid flow via natural convective about a radiative isoflux sphere. *Advances in Mechanical Engineering*, **2021**, 13, 168781402199439	1.2	4
335	Numerical Investigation of Mixed Convective Williamson Fluid Flow Over an Exponentially Stretching Permeable Curved Surface. *Fluids*, **2021**, 6, 260	1.6	11
334	Forecasting Stock Market Volatility Using Hybrid of Adaptive Network of Fuzzy Inference System and Wavelet Functions. *Journal of Mathematics*, **2021**, 2021, 1-10	1.2	2
333	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	5.6	1
332	Irreversibilities in natural convection inside a right-angled trapezoidal cavity with sinusoidal wall temperature. *Physics of Fluids*, **2021**, 33, 083612	4.4	6
331	Artificial Neural Networks for Prediction of Covid-19 in Saudi Arabia. *Computers, Materials and Continua*, **2021**, 66, 2787-2796	3.9	13
330	Application of Metaheuristic Algorithms for Optimizing Longitudinal Square Porous Fins. *Computers, Materials and Continua*, **2021**, 67, 73-87	3.9	2
329	Using Artificial Neural Network with Prey Predator Algorithm for Prediction of the COVID-19: The Case of Brazil and Mexico. *Mathematics*, **2021**, 9, 180	2.3	12
328	Slip Microrotation Flow of Silver-Sodium Alginate Nanofluid via Mixed Convection in a Porous Medium. *Mathematics*, **2021**, 9, 3232	2.3	1
327	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	4.9	1
326	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	1.6	1
325	Heat sink/source and chemical reaction in stagnation point flow of Maxwell nanofluid. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	21
324	Hypercongruences in fuzzy AG-hypergroupoids. *Journal of Intelligent and Fuzzy Systems*, **2020**, 39, 4197-4209	1.0	
323	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	5.8	31

322	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	2.3	8
321	Evaluation of Arrhenius activation energy and new mass flux condition in Carreau nanofluid: dual solutions. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5279-5289	3.3	9
320	Mathematical modeling and chemical conduct considering non-Newtonian nanofluid by utilizing heat flux features. *Soft Computing*, **2020**, 24, 11829-11839	3.5	3
319	Activation energy analysis in entropy optimized reactive flow. *Applied Nanoscience (Switzerland)*, **2020**, 10, 2673-2683	3.3	2
318	Non-Similar Solution of G-jitter Induced Unsteady Magnetohydrodynamic Radiative Slip Flow of Nanofluid. *Applied Sciences (Switzerland)*, **2020**, 10, 1420	2.6	7
317	Cu-Al2O3 Water Hybrid Nanofluid Transport in a Periodic Structure. *Processes*, **2020**, 8, 285	2.9	13
316	On Fluid Flow Field Visualization in a Staggered Cavity: A Numerical Result. *Processes*, **2020**, 8, 226	2.9	4
315	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	2.5	75
314	Arrhenius activation energy aspects in mixed convection Carreau nanofluid with nonlinear thermal radiation. *Applied Nanoscience (Switzerland)*, **2020**, 10, 4403-4413	3.3	17
313	Finite Element Analysis on Bingham–Papanastasiou Viscoplastic Flow in a Channel with Circular/Square Obstacles: A Comparative Benchmarking. *Processes*, **2020**, 8, 779	2.9	2
312	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	4.8	9
311	A shear-rate-dependent flow generated via magnetically controlled metachronal motion of artificial cilia. *Biomechanics and Modeling in Mechanobiology*, **2020**, 19, 1713-1724	3.8	5
310	Framing the MHD Micropolar-Nanofluid Flow in Natural Convection Heat Transfer over a Radiative Truncated Cone. *Processes*, **2020**, 8, 379	2.9	12
309	Numerical analysis of unsteady Carreau nanofluid flow with variable conductivity. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3075-3084	3.3	18
308	Slip Flow Models for Gas Flows in Rectangular, Trapezoidal, and Hexagonal Microchannels. *AIAA Journal*, **2020**, 58, 2147-2155	2.1	
307	MHD squeezed Darcy–Forchheimer nanofluid flow between two h-distance apart horizontal plates. *Open Physics*, **2020**, 18, 1100-1107	1.3	16
306	Heat transfer analysis in magnetohydrodynamic thermal nanofluid using Keller-box method. *Thermal Science*, **2020**, 24, 1243-1250	1.2	0
305	Rarefied Gas Flows in Long Circular and Square Microchannels. *Journal of Thermophysics and Heat Transfer*, **2020**, 34, 792-800	1.3	0

304	Effects of gaseous slip flow and temperature jump on entropy generation rate in rectangular microducts. *Thermal Science*, **2020**, 24, 3001-3011	1.2	2
303	Micropolar mixed convective flow with Cattaneo-Christov heat flux: Non-fourier heat conduction analysis. *Thermal Science*, **2020**, 24, 1345-1356	1.2	1
302	Polymorphic information and genetic diversity in Brassica species revealed by RAPD markers. *Biocell*, **2020**, 44, 769-776	1.9	3
301	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	3.9	14
300	High mobility ReSe2 field effect transistors: Schottky-barrier-height-dependent photoresponsivity and broadband light detection with Co decoration. *2D Materials*, **2020**, 7, 015010	5.9	13
299	Models and Correlations for Rarefied Gas Flows in Polygonal and Trapezoidal Microducts. *Journal of Thermophysics and Heat Transfer*, **2020**, 34, 296-303	1.3	1
298	Small Wind Turbine Blade Design and Optimization. *Symmetry*, **2020**, 12, 18	2.7	12
297	A computational study of unsteady radiative magnetohydrodynamic Blasius and Sakiadis flow with leading-edge accretion (ablation). *Heat Transfer*, **2020**, 49, 1355-1373	3.1	10
296	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	2.8	45
295	Von K□m□ swirling analysis for modeling Oldroyd-B nanofluid considering cubic autocatalysis. *Physica Scripta*, **2020**, 95, 015206	2.6	19
294	A note on activation energy and magnetic dipole aspects for Cross nanofluid subjected to cylindrical surface. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3235-3244	3.3	23
293	Heat Transfer in Cadmium Telluride-Water Nanofluid over a Vertical Cone under the Effects of Magnetic Field inside Porous Medium. *Processes*, **2020**, 8, 7	2.9	5
292	Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3001-3009	3.3	34
291	Gut inflammation exacerbates hepatic injury in C57BL/6J mice gut-vascular barrier dysfunction with high-fat-incorporated meat protein diets. *Food and Function*, **2020**, 11, 9168-9176	6.1	3
290	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, 093609	4.4	33
289	Irreversibility analysis of Cu-TiO2-H2O hybrid-nanofluid impinging on a 3-D stretching sheet in a porous medium with nonlinear radiation: Darcy-Forchhiemer□ model. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 5247-5261	6.1	36
288	Heat generation in mixed convected Williamson liquid stretching flow under generalized Fourier concept. *Applied Nanoscience (Switzerland)*, **2020**, 10, 4439-4444	3.3	12
287	Numerical simulation for MHD Darcy□orchheimer three-dimensional stagnation point flow by a rotating disk with activation energy and partial slip. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5469-5477	3.3	5

286	Entropy generation analysis of triple diffusive flow past a horizontal plate in porous medium. *Chemical Engineering Science*, **2020**, 228, 115980	4.4	18
285	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	0.4	2
284	Role of dipole interactions in Darcy–Forchheimer first-order velocity slip nanofluid flow of Williamson model with Robin conditions. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5343-5350	3.3	6
283	A rheological analysis of nanofluid subjected to melting heat transport characteristics. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3161-3170	3.3	40
282	Mathematical modeling and analysis of Cross nanofluid flow subjected to entropy generation. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3149-3160	3.3	36
281	Computational analysis of entropy generation for cross-nanofluid flow. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3045-3055	3.3	39
280	Physical significance of chemical processes and Lorentz forces aspects on Sisko fluid flow in curved configuration. *Soft Computing*, **2020**, 24, 16213-16223	3.5	12
279	Variable Wall Permeability Effects on Flow and Heat Transfer in a Leaky Channel Containing Water-Based Nanoparticles. *Processes*, **2020**, 8, 427	2.9	1
278	Darcy–Forchheimer stratified flow of viscoelastic nanofluid subjected to convective conditions. *Applied Nanoscience (Switzerland)*, **2019**, 9, 2031-2037	3.3	17
277	Melting Flow in Wire Coating of a Third Grade Fluid over a Die Using Reynolds' and Vogel's Models with Non-Linear Thermal Radiation and Joule Heating. *Materials*, **2019**, 12,	3.5	14
276	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	6.9	16
275	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	2	19
274	Heat transfer enhancement for Maxwell nanofluid flow subject to convective heat transport **2019**, 92, 1		22
273	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,	2.8	15
272	Numerical Solution of Non-Newtonian Fluid Flow Due to Rotatory Rigid Disk. *Symmetry*, **2019**, 11, 699	2.7	31
271	Numerical treatment of activation energy for the three-dimensional flow of a cross magnetonanoliquid with variable conductivity **2019**, 93, 1		17
270	Non-enzymatic glucose sensor with electrodeposited silver/carbon nanotubes composite electrode. *Bioscience Reports*, **2019**, 39,	4.1	11
269	Modified MHD Radiative Mixed Convective Nanofluid Flow Model with Consideration of the Impact of Freezing Temperature and Molecular Diameter. *Symmetry*, **2019**, 11, 833	2.7	7

268	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	2.6	35
267	Modeling and Optimization of Gaseous Thermal Slip Flow in Rectangular Microducts Using a Particle Swarm Optimization Algorithm. *Symmetry*, **2019**, 11, 488	2.7	4
266	Unsteady MHD Flow in a Porous Channel with Thermal Radiation and Heat Source/Sink. *International Journal of Applied and Computational Mathematics*, **2019**, 5, 1	1.3	14
265	Effect of melting and heat generation/absorption on Sisko nanofluid over a stretching surface with nonlinear radiation. *Physica Scripta*, **2019**, 94, 065701	2.6	31
264	Characteristics of chemical processes and heat source/sink with wedge geometry. *Case Studies in Thermal Engineering*, **2019**, 14, 100432	5.6	18
263	Unsteady Nano-Liquid Spray with Thermal Radiation Comprising CNTs. *Processes*, **2019**, 7, 181	2.9	7
262	Impact of homogeneous–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	2	24
261	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	2	16
260	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	1.1	5
259	Enhancing fire and mechanical strengths of epoxy nanocomposites for metal/metal bonding of aircraft aluminum alloys. *Polymer Composites*, **2019**, 40, 3691-3702	3	10
258	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	2.6	36
257	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	4.1	9
256	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	2.5	28
255	Interpretation of Chemical Reactions and Activation Energy for Unsteady 3D Flow of Eyring–Powell Magneto-Nanofluid. *Arabian Journal for Science and Engineering*, **2019**, 44, 579-589	2.5	16
254	Numerical Simulation of a Water Jet Impacting a Titanium Target. *Lecture Notes in Mechanical Engineering*, **2019**, 239-247	0.4	
253	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, 103607	4.4	69
252	Modeling and analysis of von Kármán swirling flow for Oldroyd-B nanofluid featuring chemical processes. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2019**, 41, 1	2	10
251	Numerical Study of Natural Convection Flow of Nanofluid Past a Circular Cone with Cattaneo–Christov Heat and Mass Flux Models. *Symmetry*, **2019**, 11, 1363	2.7	4

250	Electrospun Nanofibers: Preparation, Characterization and Atmospheric Fog Capturing Capabilities. *Fibers and Polymers*, **2019**, 20, 2090-2098	2	6
249	Hydrothermally Grown Copper-Doped ZnO Nanorods on Flexible Substrate. *Journal of Nanoelectronics and Optoelectronics*, **2019**, 14, 1503-1511	1.3	4
248	MHD Flow of Nanofluid Flow Across Horizontal Circular Cylinder: Steady Forced Convection. *Journal of Nanofluids*, **2019**, 8, 179-186	2.2	49
247	Forced Convection of Nanofluid Flow Across Horizontal Elliptical Cylinder with Constant Heat Flux Boundary Condition. *Journal of Nanofluids*, **2019**, 8, 386-393	2.2	10
246	C-matrix and invariants in chemical kinetics: A mathematical concept **2019**, 92, 1		23
245	A review of single phase adaptive auto-reclosing schemes for EHV transmission lines. *Protection and Control of Modern Power Systems*, **2019**, 4,	6.7	6
244	Entropy Generation and Heat Transfer in Drilling Nanoliquids with Clay Nanoparticles. *Entropy*, **2019**, 21, 1226	2.8	5
243	Magnetohydrodynamic Stagnation Point Flow of a Maxwell Nanofluid with Variable Conductivity. *Communications in Theoretical Physics*, **2019**, 71, 1493	2.4	11
242	Mixed Convective Flow of Micropolar Nanofluid across a Horizontal Cylinder in Saturated Porous Medium. *Applied Sciences (Switzerland)*, **2019**, 9, 5241	2.6	28
241	Numerical interpretation of autocatalysis chemical reaction for nonlinear radiative 3D flow of cross magnetofluid **2019**, 92, 1		36
240	CNTS-Water Based Nanofluid Over a Stretching Sheet. *BioNanoScience*, **2019**, 9, 21-29	3.4	45
239	Theoretical aspects of thermophoresis and Brownian motion for three-dimensional flow of the cross fluid with activation energy **2019**, 92, 1		34
238	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	2	70
237	Natural bioconvection flow of a nanofluid containing gyrotactic microorganisms about a truncated cone. *European Journal of Mechanics, B/Fluids*, **2019**, 75, 133-142	2.4	87
236	Distribution of Orientia tsutsugamushi in rodents and mites collected from Central India. *Environmental Monitoring and Assessment*, **2019**, 191, 82	3.1	0
235	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	2.3	37
234	The Stokes' second problem for nanofluids. *Journal of King Saud University - Science*, **2019**, 31, 61-65	3.6	12
233	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	3.6	9

232	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	4.1	38
231	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	2	14
230	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	3.7	54
229	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	3.7	40
228	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	3.6	12
227	Numerical study of unsteady hydromagnetic radiating fluid flow past a slippery stretching sheet embedded in a porous medium. *Physics of Fluids*, **2018**, 30, 083601	4.4	38
226	Optimization of Microchannel Heat Sinks Using Prey-Predator Algorithm and Artificial Neural Networks. *Machines*, **2018**, 6, 26	2.9	15
225	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	2.3	65
224	Aspects of improved heat conduction relation and chemical processes in 3D Carreau fluid flow **2018** , 91, 1		14
223	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	2.2	25
222	Accuracy of a Driver-Assistance System in a Collision Scenario. *Lecture Notes in Computer Science*, **2018**, 251-263	0.9	
221	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	2	23
220	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	2.4	23
219	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	2	13
218	Impact of autocatalysis chemical reaction on nonlinear radiative heat transfer of unsteady three-dimensional Eyring–Powell magneto-nanofluid flow **2018**, 91, 1		38
217	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	2	28
216	Thermal and solutal stratifications in flow of Oldroyd-B nanofluid with variable conductivity. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	32
215	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	2.3	24

214	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	1.5	69
213	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	17
212	Viscous dissipation effects on unsteady mixed convective stagnation point flow using Tiwari-Das nanofluid model. *Results in Physics*, **2017**, 7, 280-287	3.7	20
211	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	2.4	14
210	Thermodynamic Optimization of New Combined Gas/Steam Power Cycles with HRSG and Heat Exchanger. *Arabian Journal for Science and Engineering*, **2017**, 42, 4547-4558	2.5	15
209	Impact of nonlinear thermal radiation and gyrotactic microorganisms on the Magneto-Burgers nanofluid. *International Journal of Mechanical Sciences*, **2017**, 130, 375-382	5.5	137
208	Bioconvection nanofluid slip flow past a wavy surface with applications in nano-biofuel cells. *Chinese Journal of Physics*, **2017**, 55, 2048-2063	3.5	55
207	An improved heat conduction and mass diffusion models for rotating flow of an Oldroyd-B fluid. *Results in Physics*, **2017**, 7, 3583-3589	3.7	45
206	A new modeling for 3D Carreau fluid flow considering nonlinear thermal radiation. *Results in Physics* , **2017**, 7, 2692-2704	3.7	55
205	Impact of forced convective radiative heat and mass transfer mechanisms on 3D Carreau nanofluid: A numerical study. *European Physical Journal Plus*, **2017**, 132, 1	3.1	20
204	Viscous Dissipation Effects in Water Driven Carbon Nanotubes along a Stream Wise and Cross Flow Direction. *International Journal of Chemical Reactor Engineering*, **2017**, 15,	1.2	9
203	Hydromagnetic flow of a variable viscosity nanofluid in a rotating permeable channel with hall effects. *Journal of Engineering Thermophysics*, **2017**, 26, 553-566	1.4	28
202	MHD flow over exponential radiating stretching sheet using homotopy analysis method. *Journal of King Saud University, Engineering Sciences*, **2017**, 29, 68-74	2.2	50
201	Inclined MHD Mixed Convection and Partial Slip of Nanofluid in a Porous Lid-Driven Cavity with Heat Source-Sink: Effect of Uniform and Non-Uniform Bottom Heating. *Journal of Nanofluids*, **2017**, 6, 368-378	2.2	11
200	Prediction of thermal conductivity of polyvinylpyrrolidone (PVP) electrospun nanocomposite fibers using artificial neural network and prey-predator algorithm. *PLoS ONE*, **2017**, 12, e0183920	3.7	14
199	The new analytical study for boundary-layer slip flow and heat transfer of nanofluid over a stretching sheet. *Thermal Science*, **2017**, 21, 289-301	1.2	4
198	Multiple slips effects on MHD Casson fluid flow in porous media with radiation and chemical reaction. *Canadian Journal of Physics*, **2016**, 94, 26-34	1.1	22
197	Lie Group Analysis and Numerical Solutions for Magnetoconvective Slip Flow along a Moving Chemically Reacting Radiating Plate in Porous Media with Variable Mass Diffusivity. *Heat Transfer - Asian Research*, **2016**, 45, 239-263	2.8	2

196	Framing the features of Brownian motion and thermophoresis on radiative nanofluid flow past a rotating stretching sheet with magnetohydrodynamics. *Results in Physics*, **2016**, 6, 1015-1023	3.7	18
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17	Optimal Design of Tube Banks in Crossflow Using Entropy Generation Minimization Method **2006**,		4

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16	Analytical Model for Convection Heat Transfer from Tube Banks. *Journal of Thermophysics and Heat Transfer*, **2006**, 20, 720-727	1.3	21
15	Fluid Flow Around and Heat Transfer From an Infinite Circular Cylinder. *Journal of Heat Transfer*, **2005**, 127, 785	1.8	56
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