

Waqar A Khan

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Boundary-layer flow of a nanofluid past a stretching sheet. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 2477-2483	4.9	1273
356	Buoyancy effects on MHD stagnation point flow and heat transfer of a nanofluid past a convectively heated stretching/shrinking sheet. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 62, 526-533	4.9	279
355	MHD boundary layer flow and heat transfer of nanofluids over a nonlinear stretching sheet: A numerical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 569-576	2.8	242
354	Fluid flow and heat transfer of carbon nanotubes along a flat plate with Navier slip boundary. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 633-641	3.3	155
353	Free convection boundary layer flow past a horizontal flat plate embedded in porous medium filled by nanofluid containing gyrotactic microorganisms. <i>International Journal of Thermal Sciences</i> , 2012 , 56, 48-57	4.1	150
352	MHD nanofluid bioconvection due to gyrotactic microorganisms over a convectively heat stretching sheet. <i>International Journal of Thermal Sciences</i> , 2014 , 81, 118-124	4.1	145
351	Non-aligned MHD stagnation point flow of variable viscosity nanofluids past a stretching sheet with radiative heat. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 96, 525-534	4.9	140
350	Impact of nonlinear thermal radiation and gyrotactic microorganisms on the Magneto-Burgers nanofluid. <i>International Journal of Mechanical Sciences</i> , 2017 , 130, 375-382	5.5	137
349	Convection heat transfer from tube banks in crossflow: Analytical approach. <i>International Journal of Heat and Mass Transfer</i> , 2006 , 49, 4831-4838	4.9	137
348	MHD boundary layer flow of a nanofluid containing gyrotactic microorganisms past a vertical plate with Navier slip. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 74, 285-291	4.9	135
347	MHD flow of a variable viscosity nanofluid over a radially stretching convective surface with radiative heat. <i>Journal of Molecular Liquids</i> , 2016 , 219, 624-630	6	129
346	Natural convection flow of a nanofluid over a vertical plate with uniform surface heat flux. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 1207-1214	4.1	121
345	MHD variable viscosity reacting flow over a convectively heated plate in a porous medium with thermophoresis and radiative heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 93, 595-604	4.9	93
344	Natural bioconvection flow of a nanofluid containing gyrotactic microorganisms about a truncated cone. <i>European Journal of Mechanics, B/Fluids</i> , 2019 , 75, 133-142	2.4	87
343	Thermophysical effects of carbon nanotubes on MHD flow over a stretching surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 63, 215-222	3	85
342	Natural convective boundary layer flow of a nanofluid past a convectively heated vertical plate. <i>International Journal of Thermal Sciences</i> , 2012 , 52, 83-90	4.1	85
341	MHD stagnation point flow and heat transfer impinging on stretching sheet with chemical reaction and transpiration. <i>Chemical Engineering Journal</i> , 2015 , 273, 430-437	14.7	82

340	A group theoretic approach to construct cryptographically strong substitution boxes. <i>Neural Computing and Applications</i> , 2013 , 23, 97-104	4.8	78
339	MHD boundary layer slip flow and heat transfer of ferrofluid along a stretching cylinder with prescribed heat flux. <i>PLoS ONE</i> , 2014 , 9, e83930	3.7	77
338	Irreversibility Analysis and Heat Transport in Squeezing Nanoliquid Flow of Non-Newtonian (Second-Grade) Fluid Between Infinite Plates with Activation Energy. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 4939-4947	2.5	75
337	Double-diffusive natural convective boundary layer flow in a porous medium saturated with a nanofluid over a vertical plate: Prescribed surface heat, solute and nanoparticle fluxes. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 2154-2160	4.1	74
336	Consequences of activation energy and binary chemical reaction for 3D flow of Cross-nanofluid with radiative heat transfer. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	70
335	Stagnation point flow of MHD chemically reacting nanofluid over a stretching convective surface with slip and radiative heat. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017 , 231, 695-703	1.5	69
334	Natural convection of water-based carbon nanotubes in a partially heated rectangular fin-shaped cavity with an inner cylindrical obstacle. <i>Physics of Fluids</i> , 2019 , 31, 103607	4.4	69
333	Modern development on the features of magnetic field and heat sink/source in Maxwell nanofluid subject to convective heat transport. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 1992-2002	2.3	65
332	Effects of Homogeneous and Heterogeneous Reactions on the Viscoelastic Fluid Toward a Stretching Sheet. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	62
331	Fluid Flow Around and Heat Transfer From Elliptical Cylinders: Analytical Approach. <i>Journal of Thermophysics and Heat Transfer</i> , 2005 , 19, 178-185	1.3	57
330	MHD Couette-Poiseuille flow of variable viscosity nanofluids in a rotating permeable channel with Hall effects. <i>Journal of Molecular Liquids</i> , 2016 , 221, 778-787	6	57
329	Laminar natural convection of non-Newtonian power-law fluids between concentric circular cylinders. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 43, 112-121	5.8	56
328	Fluid Flow Around and Heat Transfer From an Infinite Circular Cylinder. <i>Journal of Heat Transfer</i> , 2005 , 127, 785	1.8	56
327	Bioconvection nanofluid slip flow past a wavy surface with applications in nano-biofuel cells. <i>Chinese Journal of Physics</i> , 2017 , 55, 2048-2063	3.5	55
326	A new modeling for 3D Carreau fluid flow considering nonlinear thermal radiation. <i>Results in Physics</i> , 2017 , 7, 2692-2704	3.7	55
325	Multiple slips effects on MHD SA-Al ₂ O ₃ and SA-Cu non-Newtonian nanofluids flow over a stretching cylinder in porous medium with radiation and chemical reaction. <i>Results in Physics</i> , 2018 , 8, 213-222	3.7	54
324	MHD free convective boundary layer flow of a nanofluid past a flat vertical plate with Newtonian heating boundary condition. <i>PLoS ONE</i> , 2012 , 7, e49499	3.7	53
323	Heat and mass transfer in nanofluid thin film over an unsteady stretching sheet using Buongiorno model. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	52

322	Fluid Flow and Heat Transfer in Power-Law Fluids Across Circular Cylinders: Analytical Study. <i>Journal of Heat Transfer</i> , 2006 , 128, 870-878	1.8	51
321	MHD flow over exponential radiating stretching sheet using homotopy analysis method. <i>Journal of King Saud University, Engineering Sciences</i> , 2017 , 29, 68-74	2.2	50
320	Optimization of pin-fin heat sinks using entropy generation minimization. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2005 , 28, 247-254		50
319	Flow and heat transfer of ferrofluids over a flat plate with uniform heat flux. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	49
318	MHD Flow of Nanofluid Flow Across Horizontal Circular Cylinder: Steady Forced Convection. <i>Journal of Nanofluids</i> , 2019 , 8, 179-186	2.2	49
317	CuAl ₂ O ₃ -H ₂ O hybrid nanofluid flow with melting heat transfer, irreversibility analysis and nonlinear thermal radiation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 973-984	4.1	46
316	An improved heat conduction and mass diffusion models for rotating flow of an Oldroyd-B fluid. <i>Results in Physics</i> , 2017 , 7, 3583-3589	3.7	45
315	Hydromagnetic flow of ferrofluid in an enclosed partially heated trapezoidal cavity filled with a porous medium. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 499, 166241	2.8	45
314	CNTS-Water Based Nanofluid Over a Stretching Sheet. <i>BioNanoScience</i> , 2019 , 9, 21-29	3.4	45
313	Free Convection of Non-Newtonian Nanofluids in Porous media with Gyrotactic Microorganisms. <i>Transport in Porous Media</i> , 2013 , 97, 241-252	3.1	44
312	Flow near the two-dimensional stagnation-point on an infinite permeable wall with a homogeneous-heterogeneous reaction. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 3435-3443	3.7	44
311	Classical and minimum entropy generation analyses for steady state conduction with temperature dependent thermal conductivity and asymmetric thermal boundary conditions: Regular and functionally graded materials. <i>Energy</i> , 2011 , 36, 6195-6207	7.9	42
310	Optimization of Microchannel Heat Sinks Using Entropy Generation Minimization Method. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2009 , 32, 243-251		42
309	Fluid Flow And Heat Transfer from a Cylinder Between Parallel Planes. <i>Journal of Thermophysics and Heat Transfer</i> , 2004 , 18, 395-403	1.3	42
308	Free Convection Boundary Layer Flow from a Heated Upward Facing Horizontal Flat Plate Embedded in a Porous Medium Filled by a Nanofluid with Convective Boundary Condition. <i>Transport in Porous Media</i> , 2012 , 92, 867-881	3.1	41
307	Combined heat and mass transfer of third-grade nanofluids over a convectively-heated stretching permeable surface. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1880-1888	2.3	41
306	BIOCONVECTIVE NON-NEWTONIAN NANOFLUID TRANSPORT IN POROUS MEDIA CONTAINING MICRO-ORGANISMS IN A MOVING FREE STREAM. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1550071	0.7	40
305	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. <i>Results in Physics</i> , 2018 , 10, 107-117	3.7	40

304	A rheological analysis of nanofluid subjected to melting heat transport characteristics. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3161-3170	3.3	40
303	Computational analysis of entropy generation for cross-nanofluid flow. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3045-3055	3.3	39
302	Thermodynamic analysis of MHD Couette-Poiseuille flow of water-based nanofluids in a rotating channel with radiation and Hall effects. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1899-1912	4.1	38
301	Numerical study of unsteady hydromagnetic radiating fluid flow past a slippery stretching sheet embedded in a porous medium. <i>Physics of Fluids</i> , 2018 , 30, 083601	4.4	38
300	Impact of autocatalysis chemical reaction on nonlinear radiative heat transfer of unsteady three-dimensional Eyring-Powell magneto-nanofluid flow 2018 , 91, 1		38
299	Impact of non-uniform heat sink/source and convective condition in radiative heat transfer to Oldroyd-B nanofluid: A revised proposed relation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 376-382	2.3	37
298	Influence of binary chemical reaction with Arrhenius activation energy in MHD nonlinear radiative flow of unsteady Carreau nanofluid: dual solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	36
297	Triple diffusive free convection along a horizontal plate in porous media saturated by a nanofluid with convective boundary condition. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 66, 603-612	4.9	36
296	The Role of Fin Geometry in Heat Sink Performance. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2006 , 128, 324-330	2	36
295	Irreversibility analysis of Cu-TiO ₂ -H ₂ O hybrid-nanofluid impinging on a 3-D stretching sheet in a porous medium with nonlinear radiation: Darcy-Forchheimer model. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 5247-5261	6.1	36
294	Numerical interpretation of autocatalysis chemical reaction for nonlinear radiative 3D flow of cross magnetofluid 2019 , 92, 1		36
293	Mathematical modeling and analysis of Cross nanofluid flow subjected to entropy generation. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3149-3160	3.3	36
292	Recent developments in modeling and simulation of entropy generation for dissipative cross material with quartic autocatalysis. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	35
291	Double-diffusive natural convective boundary-layer flow of a nanofluid over a stretching sheet with magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016 , 26, 108-121	4.5	34
290	Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3001-3009	3.3	34
289	Theoretical aspects of thermophoresis and Brownian motion for three-dimensional flow of the cross fluid with activation energy 2019 , 92, 1		34
288	MHD Stagnation Point Ferrofluid Flow and Heat Transfer Toward a Stretching Sheet. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 35-40	2.6	33
287	Finite element analysis of hybrid nanofluid flow and heat transfer in a split lid-driven square cavity with Y-shaped obstacle. <i>Physics of Fluids</i> , 2020 , 32, 093609	4.4	33

286	Entropy generation analysis of heat and mass transfer in mixed electrokinetically and pressure driven flow through a slit microchannel. <i>Energy</i> , 2013 , 56, 207-217	7.9	32
285	Thermal and solutal stratifications in flow of Oldroyd-B nanofluid with variable conductivity. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	32
284	Numerical Solution of Non-Newtonian Fluid Flow Due to Rotatory Rigid Disk. <i>Symmetry</i> , 2019 , 11, 699	2.7	31
283	Effect of melting and heat generation/absorption on Sisko nanofluid over a stretching surface with nonlinear radiation. <i>Physica Scripta</i> , 2019 , 94, 065701	2.6	31
282	Effects of volume fraction on water-based carbon nanotubes flow in a right-angle trapezoidal cavity: FEM based analysis. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104640	5.8	31
281	Analytical Modeling of Fluid Flow and Heat Transfer in Microchannel/Nanochannel Heat Sinks. <i>Journal of Thermophysics and Heat Transfer</i> , 2008 , 22, 352-359	1.3	31
280	The Influence of Material Properties and Spreading Resistance in the Thermal Design of Plate Fin Heat Sinks. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2007 , 129, 76-81	2	31
279	Analytical study for unsteady nanofluid MHD Flow impinging on heated stretching sheet. <i>Journal of Molecular Liquids</i> , 2016 , 219, 216-223	6	28
278	Thermodynamic Analysis of MHD Heat and Mass Transfer of Nanofluids Past a Static Wedge with Navier Slip and Convective Boundary Conditions. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 1255-1267	2.5	28
277	Hydromagnetic flow of a variable viscosity nanofluid in a rotating permeable channel with hall effects. <i>Journal of Engineering Thermophysics</i> , 2017 , 26, 553-566	1.4	28
276	Hydrodynamic and thermal slip effect on double-diffusive free convective boundary layer flow of a nanofluid past a flat vertical plate in the moving free stream. <i>PLoS ONE</i> , 2013 , 8, e54024	3.7	28
275	Mixed Convective Flow of Micropolar Nanofluid across a Horizontal Cylinder in Saturated Porous Medium. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5241	2.6	28
274	Significance of static moving wedge for unsteady Falkner-Skan forced convective flow of MHD cross fluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	28
273	Approximate analytic solutions for influence of heat transfer on MHD stagnation point flow in porous medium. <i>Computers and Fluids</i> , 2014 , 100, 72-78	2.8	27
272	Optimization of Microchannel Heat Sinks Using Genetic Algorithm. <i>Heat Transfer Engineering</i> , 2013 , 34, 279-287	1.7	27
271	Buongiorno Model for Nanofluid Blasius Flow with Surface Heat and Mass Fluxes. <i>Journal of Thermophysics and Heat Transfer</i> , 2013 , 27, 134-141	1.3	27
270	On inherent irreversibility in Sakiadis flow of nanofluids. <i>International Journal of Exergy</i> , 2013 , 13, 159	1.2	27
269	Thermodynamic analysis of gas turbine with air bottoming cycle. <i>Energy</i> , 2016 , 107, 603-611	7.9	27

268	Hydromagnetic blasius flow of power-law nanofluids over a convectively heated vertical plate. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1830-1837	2.3	26
267	Entropy Generation Due to MHD Stagnation Point Flow of a Nanofluid on a Stretching Surface in the Presence of Radiation. <i>Journal of Nanofluids</i> , 2018 , 7, 879-890	2.2	25
266	g-Jitter mixed convective slip flow of nanofluid past a permeable stretching sheet embedded in a Darcian porous media with variable viscosity. <i>PLoS ONE</i> , 2014 , 9, e99384	3.7	25
265	Impact of homogeneous/heterogeneous reactions and non-Fourier heat flux theory in Oldroyd-B fluid with variable conductivity. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	24
264	Entropy optimization analysis on nonlinear thermal radiative electromagnetic Darcy-Borchheimer flow of SWCNT/MWCNT nanomaterials. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 399-418	3.3	24
263	Simultaneous investigation of MHD and convective phenomena on time-dependent flow of Carreau nanofluid with variable properties: Dual solutions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 2334-2342	2.3	24
262	Triple convective-diffusion boundary layer along a vertical flat plate in a porous medium saturated by a water-based nanofluid. <i>International Journal of Thermal Sciences</i> , 2015 , 90, 53-61	4.1	23
261	Boundary Layer Flow Past a Wedge Moving in a Nanofluid. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-7	1.1	23
260	Scaling Group Transformation for MHD Boundary Layer Slip Flow of a Nanofluid over a Convectively Heated Stretching Sheet with Heat Generation. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-20	1.1	23
259	Modeling of Cylindrical Pin-Fin Heat Sinks for Electronic Packaging. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2008 , 31, 536-545		23
258	Optimization of microchannel heat sinks using entropy generation minimization method		23
257	A note on activation energy and magnetic dipole aspects for Cross nanofluid subjected to cylindrical surface. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3235-3244	3.3	23
256	C-matrix and invariants in chemical kinetics: A mathematical concept		23
255	On model for three-dimensional Carreau fluid flow with Cattaneo-Christov double diffusion and variable conductivity: a numerical approach. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	23
254	Numerical Study of Unsteady MHD Flow and Entropy Generation in a Rotating Permeable Channel with Slip and Hall Effects. <i>Communications in Theoretical Physics</i> , 2018 , 70, 641	2.4	23
253	Multiple slips effects on MHD Casson fluid flow in porous media with radiation and chemical reaction. <i>Canadian Journal of Physics</i> , 2016 , 94, 26-34	1.1	22
252	Heat transfer enhancement for Maxwell nanofluid flow subject to convective heat transport		22
251	Heat and Mass Transfer in Power-Law Nanofluids Over a Nonisothermal Stretching Wall With Convective Boundary Condition. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	22

250	Entropy generation in an asymmetrically cooled slab with temperature-dependent internal heat generation. <i>Heat Transfer - Asian Research</i> , 2012 , 41, 260-271	2.8	22
249	Free Convection Boundary Layer Flow Past a Horizontal Flat Plate Embedded in a Porous Medium Filled With a Nanofluid. <i>Journal of Heat Transfer</i> , 2011 , 133,	1.8	22
248	Heat sink/source and chemical reaction in stagnation point flow of Maxwell nanofluid. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	21
247	Analytical Model for Convection Heat Transfer from Tube Banks. <i>Journal of Thermophysics and Heat Transfer</i> , 2006 , 20, 720-727	1.3	21
246	Water-based squeezing flow in the presence of carbon nanotubes between two parallel disks. <i>Thermal Science</i> , 2016 , 20, 1973-1981	1.2	21
245	Viscous dissipation effects on unsteady mixed convective stagnation point flow using Tiwari-Das nanofluid model. <i>Results in Physics</i> , 2017 , 7, 280-287	3.7	20
244	Approximate analytical modeling of heat and mass transfer in hydromagnetic flow over a non-isothermal stretched surface with heat generation/absorption and transpiration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 54, 11-19	5.3	20
243	Impact of forced convective radiative heat and mass transfer mechanisms on 3D Carreau nanofluid: A numerical study. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	20
242	Optimization of Pin-Fin Heat Sinks in Bypass Flow Using Entropy Generation Minimization Method. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2008 , 130,	2	20
241	Optimal Design of Tube Banks in Crossflow Using Entropy Generation Minimization Method. <i>Journal of Thermophysics and Heat Transfer</i> , 2007 , 21, 372-378	1.3	20
240	Importance of entropy generation and infinite shear rate viscosity for non-Newtonian nanofluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	19
239	Homotopy analysis method for boundary layer flow and heat transfer over a permeable flat plate in a Darcian porous medium with radiation effects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1217-1224	5.3	19
238	Free Convective Flow of Non-Newtonian Nanofluids in Porous Media with Gyrotactic Microorganism. <i>Journal of Thermophysics and Heat Transfer</i> , 2013 , 27, 326-333	1.3	19
237	Application of Mean of Absolute Deviation Method for the Selection of Best Nonlinear Component Based on Video Encryption. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013 , 68, 479-482	1.4	19
236	Optimal homotopy asymptotic method for flow and heat transfer of a viscoelastic fluid in an axisymmetric channel with a porous wall. <i>PLoS ONE</i> , 2013 , 8, e83581	3.7	19
235	Von K��m�� swirling analysis for modeling Oldroyd-B nanofluid considering cubic autocatalysis. <i>Physica Scripta</i> , 2020 , 95, 015206	2.6	19
234	Computational Study of Three-Dimensional Stagnation Point Nanofluid Bioconvection Flow on a Moving Surface With Anisotropic Slip and Thermal Jump Effect. <i>Journal of Heat Transfer</i> , 2016 , 138,	1.8	19
233	Non-Newtonian fluid flow around a Y-shaped fin embedded in a square cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 573-585	4.1	19

232	Characteristics of chemical processes and heat source/sink with wedge geometry. <i>Case Studies in Thermal Engineering</i> , 2019 , 14, 100432	5.6	18
231	Numerical analysis of unsteady Carreau nanofluid flow with variable conductivity. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 3075-3084	3.3	18
230	Framing the features of Brownian motion and thermophoresis on radiative nanofluid flow past a rotating stretching sheet with magnetohydrodynamics. <i>Results in Physics</i> , 2016 , 6, 1015-1023	3.7	18
229	Entropy generation analysis of triple diffusive flow past a horizontal plate in porous medium. <i>Chemical Engineering Science</i> , 2020 , 228, 115980	4.4	18
228	Magneto-Hemodynamics of Nanofluid with Heat and Mass Transfer in a Slowly Varying Symmetrical Channel. <i>International Journal of Engineering Research in Africa</i> , 2017 , 28, 118-141	0.7	17
227	Darcy-Borchheimer stratified flow of viscoelastic nanofluid subjected to convective conditions. <i>Applied Nanoscience (Switzerland)</i> , 2019 , 9, 2031-2037	3.3	17
226	Numerical treatment of activation energy for the three-dimensional flow of a cross magnetonanoliquid with variable conductivity 2019 , 93, 1		17
225	Arrhenius activation energy aspects in mixed convection Carreau nanofluid with nonlinear thermal radiation. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 4403-4413	3.3	17
224	Transient heat transfer in a functionally graded convecting longitudinal fin. <i>Heat and Mass Transfer</i> , 2012 , 48, 1745-1753	2.2	17
223	Nanoparticles as Novel Emerging Therapeutic Antibacterial Agents in the Antibiotics Resistant Era. <i>Biological Trace Element Research</i> , 2021 , 199, 2552-2564	4.5	17
222	Theoretical and mathematical analysis of entropy generation in fluid flow subject to aluminum and ethylene glycol nanoparticles. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 182, 105057	6.9	16
221	Consequence of convective conditions for flow of Oldroyd-B nanofluid by a stretching cylinder. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	16
220	Interpretation of Chemical Reactions and Activation Energy for Unsteady 3D Flow of Eyring-Bowell Magneto-Nanofluid. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 579-589	2.5	16
219	Triple diffusion along a horizontal plate in a porous medium with convective boundary condition. <i>International Journal of Thermal Sciences</i> , 2014 , 86, 60-67	4.1	16
218	Design optimization of pin fin geometry using particle swarm optimization algorithm. <i>PLoS ONE</i> , 2013 , 8, e66080	3.7	16
217	Thermal Jump Effects on Boundary Layer Flow of a Jeffrey Fluid Near the Stagnation Point on a Stretching/Shrinking Sheet with Variable Thermal Conductivity. <i>Journal of Fluids</i> , 2013 , 2013, 1-8		16
216	Mixed convection of power-law fluids along a vertical wedge with convective boundary condition in a porous medium. <i>Journal of Mechanical Science and Technology</i> , 2010 , 24, 1919-1925	1.6	16
215	MHD squeezed Darcy-Borchheimer nanofluid flow between two hdistance apart horizontal plates. <i>Open Physics</i> , 2020 , 18, 1100-1107	1.3	16

214	Forced convection of nanofluid flow across horizontal circular cylinder with convective boundary condition. <i>Journal of Molecular Liquids</i> , 2016 , 222, 172-180	6	16
213	Thermodynamic Optimization of New Combined Gas/Steam Power Cycles with HRSG and Heat Exchanger. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 4547-4558	2.5	15
212	Thermodynamic Analysis of Entropy Generation Minimization in Thermally Dissipating Flow Over a Thin Needle Moving in a Parallel Free Stream of Two Newtonian Fluids. <i>Entropy</i> , 2019 , 21,	2.8	15
211	Electrokinetic effects on pressure driven flow of viscoelastic fluids in nanofluidic channels with Navier slip condition. <i>Journal of Molecular Liquids</i> , 2016 , 215, 472-480	6	15
210	Optimization of Microchannel Heat Sinks Using Prey-Predator Algorithm and Artificial Neural Networks. <i>Machines</i> , 2018 , 6, 26	2.9	15
209	Optimization of Cylindrical Pin-Fin Heat Sinks Using Genetic Algorithms. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2009 , 32, 44-52		15
208	Dual Solutions of MHD Boundary Layer Flow of a Micropolar Fluid with Weak Concentration over a Stretching/Shrinking Sheet. <i>Communications in Theoretical Physics</i> , 2017 , 67, 449	2.4	14
207	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. <i>Materials</i> , 2019 , 12,	3.5	14
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