

M M Rashidi

List of Publications by Year in Descending Order

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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.

342
papers

13,461
citations

64
h-index

101
g-index

374
ext. papers

15,074
ext. citations

3.1
avg, IF

7.43
L-index

#	Paper	IF	Citations
342	Comparison of Co- and counter-current modes of operation for wavy minichannel heat sinks (WMHSS). <i>International Journal of Thermal Sciences</i> , 2022 , 171, 107189	4.1	1
341	Nonlinear thermal radiation and heat source effects on unsteady electrical MHD motion of nanofluid past a stretching surface with binary chemical reaction. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	3
340	Pulsatile Bi-Directional Aerosol Flow Affects Aerosol Delivery to the Intranasal Olfactory Region: A Patient-Specific Computational Study. <i>Frontiers in Pharmacology</i> , 2021 , 12, 746420	5.6	4
339	Thermophysical Properties of Hybrid Nanofluids and the Proposed Models: An Updated Comprehensive Study. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
338	Conceptual analysis framework development to understand barriers of nanofluid commercialization. <i>Nano Energy</i> , 2021 , 92, 106736	17.1	35
337	Second law analysis of magnetized Casson nanofluid flow in squeezing geometry with porous medium and thermophysical influence. <i>Journal of Taibah University for Science</i> , 2021 , 15, 1013-1026	3	6
336	Magnetohydrodynamics boundary layer flow of micropolar fluid over an exponentially shrinking sheet with thermal radiation: Triple solutions and stability analysis. <i>Mathematical Methods in the Applied Sciences</i> , 2021 , 44, 10578-10608	2.3	6
335	A Singularly P-Stable Multi-Derivative Predictor Method for the Numerical Solution of Second-Order Ordinary Differential Equations. <i>Mathematics</i> , 2021 , 9, 806	2.3	0
334	Semi-Analytical Solution of Two-Dimensional Viscous Flow through Expanding/Contracting Gaps with Permeable Walls. <i>Mathematical and Computational Applications</i> , 2021 , 26, 41	1	1
333	Thermal convection of nano-liquid in an electronic cabinet with finned heat sink and heat generating element. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 2769-2778	6.1	18
332	Investigation of magnetohydrodynamics in Ag-TiO ₂ /water hybrid nanofluid in a Shamse knot shaped cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 251-272	4.5	7
331	Heat transfer enhancement with nanofluid in an open enclosure due to discrete heaters mounted on sidewalls and a heated inner block. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 2172-2196	4.5	2
330	Numerical Simulation of Hybrid Nanofluid Mixed Convection in a Lid-Driven Square Cavity with Magnetic Field Using High-Order Compact Scheme. <i>Nanomaterials</i> , 2021 , 11,	5.4	16
329	Effects of cross-section geometry on performance of corrugated miniature heat sink: Uniform, convergent, divergent, and hybrid cases. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 127, 105269	5.8	6
328	Novel solution for heat and mass transfer of a MHD micropolar fluid flow on a moving plate with suction and injection. <i>Engineering With Computers</i> , 2020 , 1	4.5	7
327	Nanofluid natural convection in a corrugated solar power plant using the hybrid LBM-TVD method. <i>Energy</i> , 2020 , 199, 117402	7.9	14
326	Baffle and geometry effects on nanofluid forced convection over forward- and backward-facing steps channel by means of lattice Boltzmann method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 554, 124696	3.3	12

325	Cooling System with Porous Finned Heat Sink for Heat-Generating Element. <i>Transport in Porous Media</i> , 2020 , 133, 459-478	3.1	5
324	The effect of numerical divergence schemes on the flow around trains. <i>Fluid Dynamics Research</i> , 2020 , 52, 025509	1.2	1
323	IMPACT OF NON-DARCY MEDIUM ON MIXED CONVECTIVE FLOW TOWARDS A PLATE CONTAINING MICROPOLAR WATER-BASED TiO ₂ NANOMATERIAL WITH ENTROPY GENERATION. <i>Journal of Porous Media</i> , 2020 , 23, 11-26	2.9	12
322	A Review: Differential Transform Method for Semi-Analytical Solution of Differential Equations. <i>International Journal of Applied Mechanics and Engineering</i> , 2020 , 25, 122-129	0.6	1
321	Simulation of patient-specific bi-directional pulsating nasal aerosol dispersion and deposition with clockwise 45° and 90° nosepieces. <i>Computers in Biology and Medicine</i> , 2020 , 123, 103816	7	12
320	Mixed convection characteristics in a baffled U-shaped lid-driven cavity in the presence of magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 1967-1984	4.1	8
319	Nanoliquid thermal convection in I-shaped multiple-pipe heat exchanger under magnetic field influence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 550, 124028	3.3	6
318	Lattice Boltzmann simulation of natural convection heat transfer of a nanofluid in a L-shape enclosure with a baffle. <i>Results in Physics</i> , 2020 , 19, 103413	3.7	5
317	Effect of solid surface structure on the condensation flow of Argon in rough nanochannels with different roughness geometries using molecular dynamics simulation. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 117, 104741	5.8	36
316	Large eddy simulations of airflow and particle deposition in pulsating bi-directional nasal drug delivery. <i>Physics of Fluids</i> , 2020 , 32, 101905	4.4	14
315	Magnetohydrodynamics (MHD) stagnation point flow past a shrinking/stretching surface with double stratification effect in a porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3635-3648	4.1	19
314	Natural Convection and Irreversibility Evaluation in a Cubic Cavity with Partial Opening in Both Top and Bottom Sides. <i>Entropy</i> , 2019 , 21,	2.8	9
313	Koo-Kleinstreuer correlation for simulation of nanofluid natural convection in hollow cavity in existence of magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 1413-1429	4.1	10
312	Immersed boundary thermal lattice Boltzmann method for the moving simulation of non-isothermal elliptical particles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 4003-4017	4.1	21
311	Peristaltic Flow of Shear Thinning Fluid via Temperature-Dependent Viscosity and Thermal Conductivity. <i>Communications in Theoretical Physics</i> , 2019 , 71, 367	2.4	7
310	Experimental study of heat transfer enhancement in a novel cylindrical heat sink with helical minichannels. <i>Applied Thermal Engineering</i> , 2019 , 154, 585-592	5.8	11
309	MHD convective heat transfer of Ag-MgO/water hybrid nanofluid in a channel with active heaters and coolers. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 137, 714-726	4.9	107
308	An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source. <i>Microsystem Technologies</i> , 2019 , 25, 683-689	1.7	88

307	Numerical simulation of flow past a square cylinder with a circular bar upstream and a splitter plate downstream. <i>Journal of Hydrodynamics</i> , 2019 , 31, 949-964	3.3	10
306	Gegenbauer wavelets collocation-based scheme to explore the solution of free bio-convection of nanofluid in 3D nearby stagnation point. <i>Neural Computing and Applications</i> , 2019 , 31, 8003-8019	4.8	28
305	Numerical investigation of MHD effects on nanofluid heat transfer in a baffled U-shaped enclosure using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 3197-3213	4.1	55
304	A 3D Simulation of Single-Channel High-Temperature Polymer Exchange Membrane Fuel Cell Performances. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3633	2.6	7
303	Effect of porous insertion on convective energy transport in a chamber filled with a temperature-dependent viscosity liquid in the presence of a heat source term. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 144, 118530	4.9	9
302	Entropy generation analysis of mixed convection with considering magnetohydrodynamic effects in an open C-shaped cavity. <i>Thermal Science</i> , 2019 , 23, 3455-3465	1.2	1
301	On the Reynolds-Averaged Navier-Stokes Modelling of the Flow around a Simplified Train in Crosswinds. <i>Journal of Applied Fluid Mechanics</i> , 2019 , 12, 551-563	1.5	5
300	On the Low Frequency Pressure Fluctuation in a 3/4 Open Jet Automotive Wind Tunnel. <i>Journal of Applied Fluid Mechanics</i> , 2019 , 12, 1359-1369	1.5	3
299	Novel numerical solutions of nonlinear heat transfer problems using the linear barycentric rational interpolation. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 1318-1344	2.8	6
298	An improvement to the unsteady MHD rotating flow over a rotating sphere near the equator via two radial basis function schemes. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	1
297	Impact of partial slip on mixed convective flow towards a Riga plate comprising micropolar TiO ₂ -kerosene/water nanoparticles. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1647-1662	4.5	20
296	Effect of hot obstacle position on natural convection heat transfer of MWCNTs-water nanofluid in U-shaped enclosure using lattice Boltzmann method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 223-250	4.5	28
295	Comprehensive investigation of solid and porous fins influence on natural convection in an inclined rectangular enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 133, 729-744	4.9	50
294	Heat generating porous matrix effects on Brownian motion of nanofluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1724-1740	4.5	2
293	Numerical study of MHD nanofluid natural convection in a baffled U-shaped enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 130, 123-134	4.9	120
292	Lattice Boltzmann simulation of 3D natural convection in a cuboid filled with KKL-model predicted nanofluid using Dual-MRT model. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 365-387	4.5	14
291	MHD forced convection of MWCNTs-Fe ₃ O ₄ /water hybrid nanofluid in a partially heated U-shaped channel using LBM. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 1723-1735	4.1	35
290	Analytical investigation of stagnation point flow of Williamson liquid with melting phenomenon. <i>Physica Scripta</i> , 2019 , 94, 035204	2.6	19

289	A hybrid computational approach for Jeffery-Hamel flow in non-parallel walls. <i>Neural Computing and Applications</i> , 2019 , 31, 2407-2413	4.8	26
288	Effect of Al ₂ O ₃ /water nanofluid on performance of parallel flow heat exchangers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 625-643	4.1	31
287	Some new operational matrices and its application to fractional order Poisson equations with integral type boundary constrains. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 1826-1837	2.7	9
286	Study of nanofluid forced convection heat transfer in a bent channel by means of lattice Boltzmann method. <i>Physics of Fluids</i> , 2018 , 30, 032001	4.4	77
285	Computational analysis of three layer fluid model including a nanomaterial layer. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 122, 222-228	4.9	17
284	Numerical simulation of flow over a square cylinder with upstream and downstream circular bar using lattice Boltzmann method. <i>International Journal of Modern Physics C</i> , 2018 , 29, 1850030	1.1	28
283	ENTROPY GENERATION IN A WILLIAMSON NANOFUID NEAR A STAGNATION POINT OVER A MOVING PLATE WITH BINARY CHEMICAL REACTION AND ACTIVATION ENERGY. <i>Heat Transfer Research</i> , 2018 , 49, 1131-1149	3.9	8
282	A study of heat and mass transfer on magnetohydrodynamic (MHD) flow of nanoparticles. <i>Propulsion and Power Research</i> , 2018 , 7, 72-77	3.6	29
281	A mathematical model of MHD nanofluid flow having gyrotactic microorganisms with thermal radiation and chemical reaction effects. <i>Neural Computing and Applications</i> , 2018 , 30, 1237-1249	4.8	87
280	MHD non-orthogonal stagnation point flow of a nanofluid towards a stretching surface in the presence of thermal radiation. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 1671-1681	4.4	14
279	Impact of nonlinear thermal radiation on stagnation-point flow of a Carreau nanofluid past a nonlinear stretching sheet with binary chemical reaction and activation energy. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018 , 232, 962-972	1.3	15
278	Simulation of MHD Forced Convection Heat Transfer Through an Annular Sector Duct. <i>Journal of Thermophysics and Heat Transfer</i> , 2018 , 32, 469-474	1.3	9
277	A robust numerical method for solving stagnation point flow over a permeable shrinking sheet under the influence of MHD. <i>Applied Mathematics and Computation</i> , 2018 , 316, 381-389	2.7	70
276	Influence of a uniform transverse magnetic field on the thermo-hydrodynamic stability in water-based nanofluids with metallic nanoparticles using the generalized Buongiorno's mathematical model. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	106
275	Simulation of nanofluid natural convection in a U-shaped cavity equipped by a heating obstacle: Effect of cavity's aspect ratio. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 263-276	5.3	46
274	Effect of Heat Transfer on the First and Second Law Efficiency Analysis and Optimization of an Air-standard Atkinson Cycle. <i>High Temperature</i> , 2018 , 56, 433-438	0.8	
273	Analysis of Stokes' Second Problem for Nanofluids Using Modern Approach of Atangana-Baleanu Fractional Derivative. <i>Journal of Nanofluids</i> , 2018 , 7, 738-747	2.2	39
272	ENTROPY GENERATION IN BLOOD FLOW WITH HEAT AND MASS TRANSFER FOR THE ELLIS FLUID MODEL. <i>Heat Transfer Research</i> , 2018 , 49, 747-760	3.9	6

271	FLOW OF NANOFLUID CONTAINING GYROTACTIC MICROORGANISMS OVER STATIC WEDGE IN DARCY-BRINKMAN POROUS MEDIUM WITH CONVECTIVE BOUNDARY CONDITION. <i>Journal of Porous Media</i> , 2018 , 21, 911-928	2.9	10
270	EFFECTS OF MAGNETIC FIELD AND SLIP ON CONVECTIVE PERISTALTIC FLOW OF A NON-NEWTONIAN FLUID IN AN INCLINED NONUNIFORM POROUS CHANNEL WITH FLEXIBLE WALLS. <i>Journal of Porous Media</i> , 2018 , 21, 895-910	2.9	13
269	FREE CONVECTION HEAT AND MASS TRANSFER OF A NANOFLUID PAST A HORIZONTAL CYLINDER EMBEDDED IN A NON-DARCY POROUS MEDIUM. <i>Journal of Porous Media</i> , 2018 , 21, 279-294	2.9	4
268	Numerical study of heat transfer of a micropolar fluid through a porous medium with radiation. <i>Thermal Science</i> , 2018 , 22, 557-565	1.2	1
267	Effects of ReInjection on Flow Field of Open Jet Automotive Wind Tunnel Test Section. <i>Journal of Applied Fluid Mechanics</i> , 2018 , 11, 43-53	1.5	3
266	Forced convection of nanofluids in an extended surfaces channel using lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 117, 1291-1303	4.9	96
265	Impact of nanoparticles on flow of a special non-Newtonian third-grade fluid over a porous heated shrinking sheet with nonlinear radiation. <i>Nonlinear Engineering</i> , 2018 , 7, 103-111	3	3
264	Warping optimization on front panel housing by using glowworm swarm optimization (GSO) approach 2018 ,		1
263	Impact of nonlinear radiative nanoparticles on an unsteady flow of a Williamson fluid toward a permeable convectively heated shrinking sheet. <i>World Journal of Engineering</i> , 2018 , 15, 731-742	1.8	5
262	Multi-Parameter Optimization of Automotive Rear View Mirror Region for Reducing Aerodynamic Noise. <i>Noise Control Engineering Journal</i> , 2018 , 66, 11-26	0.6	
261	Entropy analysis of convective MHD flow of third grade non-Newtonian fluid over a stretching sheet. <i>Ain Shams Engineering Journal</i> , 2017 , 8, 77-85	4.4	102
260	A New Numerical Simulation of MHD Stagnation-Point Flow Over a Permeable Stretching/Shrinking Sheet in Porous Media with Heat Transfer 2017 , 41, 779-785		24
259	Entropy Generation with nonlinear heat and Mass transfer on MHD Boundary Layer over a Moving Surface using SLM. <i>Nonlinear Engineering</i> , 2017 , 6,	3	17
258	A Similarity Solution for Mixed-Convection Boundary Layer Nanofluid Flow on an Inclined Permeable Surface. <i>Journal of Thermal Science and Engineering Applications</i> , 2017 , 9,	1.9	9
257	An experimental study of flow patterns pertinent to waxy crude oil-water two-phase flows. <i>Chemical Engineering Science</i> , 2017 , 164, 313-332	4.4	24
256	Numerical investigation of velocity slip and temperature jump effects on unsteady flow over a stretching permeable surface. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	15
255	Numerical simulation of natural convection heat transfer of a nanofluid in an L-shaped enclosure with a heating obstacle. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 72, 70-84	5.3	109
254	Dean-Taylor flow with convective heat transfer through a coiled duct. <i>Computers and Fluids</i> , 2017 , 149, 41-55	2.8	14

253	A numerical study of thermo-diffusion, diffusion-thermo and chemical reaction effects on flow of a micropolar fluid in an asymmetric channel with dilating and contracting permeable walls. <i>Engineering Computations</i> , 2017 , 34, 587-602	1.4	8
252	Thermodynamic analysis of the ejector refrigeration cycle using the artificial neural network. <i>Energy</i> , 2017 , 129, 201-215	7.9	33
251	Stokes' first problem for MHD flow of Casson nanofluid. <i>Multidiscipline Modeling in Materials and Structures</i> , 2017 , 13, 2-10	2.2	1
250	Blood flow analysis with considering nanofluid effects in vertical channel. <i>Applied Nanoscience (Switzerland)</i> , 2017 , 7, 193-199	3.3	19
249	Two phase flow simulation of conjugate natural convection of the nanofluid in a partitioned heat exchanger containing several conducting obstacles. <i>International Journal of Mechanical Sciences</i> , 2017 , 130, 282-306	5.5	28
248	Multi-soliton fusion phenomenon of Burgers equation and fission, fusion phenomenon of Sharma-Massouki-Diver equation. <i>Journal of Ocean Engineering and Science</i> , 2017 , 2, 120-126	4.4	19
247	MHD flow and heat transfer characteristics of Williamson nanofluid over a stretching sheet with variable thickness and variable thermal conductivity. <i>Transactions of A Razmadze Mathematical Institute</i> , 2017 , 171, 195-211		67
246	Warpage Optimisation on the Moulded Part using Response Surface Methodology (RSM) and Glowworm Swarm Optimisation (GSO). <i>MATEC Web of Conferences</i> , 2017 , 97, 01105	0.3	0
245	Warpage Optimisation on the Moulded Part with Conformal Cooling Channels using Response Surface Methodology (RSM) and Glowworm Swarm Optimisation (GSO). <i>MATEC Web of Conferences</i> , 2017 , 97, 01104	0.3	2
244	Functionalization and exfoliation of graphite into mono layer graphene for improved heat dissipation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 480-493	5.3	24
243	A mathematical model for mixed convective flow of chemically reactive Oldroyd-B fluid between isothermal stretching disks. <i>Results in Physics</i> , 2017 , 7, 3016-3023	3.7	12
242	Warpage optimisation on the moulded part with straight-drilled and MGSS conformal cooling channels using response surface methodology (RSM) 2017 ,		1
241	Warpage optimisation on the moulded part with conformal cooling channels using response surface methodology (RSM) and genetic algorithm (GA) optimisation approaches 2017 ,		2
240	Numerical simulation of fuzzy differential equations using general linear method and B-series. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401771541	1.2	1
239	Warpage optimisation on the moulded part with straight-drilled and conformal cooling channels using response surface methodology (RSM) and genetic algorithm (GA) optimisation approaches 2017 ,		1
238	Numerical analysis of turbulent/transitional natural convection in trapezoidal enclosures. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 2902-2923	4.5	37
237	Numerical solution of second law analysis for MHD Casson nanofluid past a wedge with activation energy and binary chemical reaction. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 00-00	4.5	7
236	Study of heat and mass transfer with Joule heating on magnetohydrodynamic (MHD) peristaltic blood flow under the influence of Hall effect. <i>Propulsion and Power Research</i> , 2017 , 6, 177-185	3.6	36

235	Numerical Solutions by EFGM of MHD Convective Fluid Flow Past a Vertical Plate Immersed in a Porous Medium in the Presence of Cross Diffusion Effects via Biot Number and Convective Boundary Condition. <i>International Journal of Applied Mechanics and Engineering</i> , 2017 , 22, 613-636	0.6	1
234	Experimental investigation and a novel analytical solution of turbulent boundary layer flow over a flat plate in a wind tunnel. <i>International Journal of Mechanical Sciences</i> , 2017 , 133, 121-128	5.5	6
233	Investigation of magneto-hemodynamic flow in a semi-porous channel using orthonormal Bernstein polynomials. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	7
232	A differential quadrature based numerical method for highly accurate solutions of Burgers' equation. <i>Numerical Methods for Partial Differential Equations</i> , 2017 , 33, 2023-2042	2.5	17
231	Conjugate-mixed convection heat transfer in a two-sided lid-driven cavity filled with nanofluid using Manninen's two phase model. <i>International Journal of Mechanical Sciences</i> , 2017 , 131-132, 1026-1048	5.5	25
230	Optimisation of process parameters on thin shell part using response surface methodology (RSM) 2017 ,		7
229	Analytical approximation of heat and mass transfer in MHD non-Newtonian nanofluid flow over a stretching sheet with convective surface boundary conditions. <i>International Journal of Biomathematics</i> , 2017 , 10, 1750008	1.8	7
228	Influence of magnetohydrodynamics on metachronal wave of particle-fluid suspension due to cilia motion 2017 , 20, 265-271		7
227	Free convective heat transfer with hall effects, heat absorption and chemical reaction over an accelerated moving plate in a rotating system. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 422, 112-123	2.8	65
226	Entropy generation as a practical tool of optimisation for non-Newtonian nanofluid flow through a permeable stretching surface using SLM. <i>Journal of Computational Design and Engineering</i> , 2017 , 4, 21-28	4.6	45
225	Entropy Generation in a Circular Tube Heat Exchanger Using Nanofluids: Effects of Different Modeling Approaches. <i>Heat Transfer Engineering</i> , 2017 , 38, 853-866	1.7	102
224	Numerical Simulation of Entropy Generation on MHD Nanofluid Towards a Stagnation Point Flow Over a Stretching Surface. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 2275-2289	1.3	35
223	Effects of Variable Fluid Properties on MHD Flow and Heat Transfer over a Stretching Sheet with Variable Thickness. <i>Journal of Mechanics</i> , 2017 , 33, 501-512	1	11
222	Magnetic field and internal heat generation effects on the free convection in a rectangular cavity filled with a porous medium saturated with Cu-water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 104, 878-889	4.9	152
221	HYDROMAGNETIC NATURAL CONVECTION FLOW IN A NON-DARCY MEDIUM WITH SORET AND DUFOUR EFFECTS PAST AN INCLINED STRETCHING SHEET. <i>Journal of Porous Media</i> , 2017 , 20, 941-960	2.9	10
220	Effect of Slip Conditions and Entropy Generation Analysis with an Effective Prandtl Number Model on a Nanofluid Flow through a Stretching Sheet. <i>Entropy</i> , 2017 , 19, 414	2.8	10
219	Peristaltic Blood Flow of Ellis Fluid Through a Nonuniform Channel Having Compliant Walls. <i>Journal of Nanofluids</i> , 2017 , 6, 318-323	2.2	5
218	Generalized Magnetic Field Effects in Burgers' Nanofluid Model. <i>PLoS ONE</i> , 2017 , 12, e0168923	3.7	25

217	NONLINEAR RADIATION EFFECT ON CASSON NANOFLUID PAST A PLATE IMMERSSED IN DARCYBRINKMAN POROUS MEDIUM WITH BINARY CHEMICAL REACTION AND ACTIVATION ENERGY. <i>International Journal of Fluid Mechanics Research</i> , 2017 , 44, 513-531	4.3	6
216	Oscillating Motion of an Oldroyd-B Fluid with Fractional Derivatives in a Circular Cylinder. <i>Journal of Applied Fluid Mechanics</i> , 2017 , 10, 1421-1426	1.5	9
215	Thermal boundary layer analysis of nanofluid flow past over a stretching flat plate in different transpiration conditions by using DTM-Pade method. <i>Journal of Mathematics and Computer Science</i> , 2017 , 17, 84-95	2.6	5
214	Using differential transform method and Pade approximation for solving MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet. <i>Journal of Mathematics and Computer Science</i> , 2017 , 17, 169-178	2.6	3
213	An efficient spectral solution for unsteady boundary-layer flow and heat transfer due to a stretching sheet. <i>Thermal Science</i> , 2017 , 21, 2167-2176	1.2	2
212	Influence of nonliner convection and thermophoresis on heat and mass transfer from a rotating cone to fluid flow in porous medium. <i>Thermal Science</i> , 2017 , 21, 2781-2793	1.2	12
211	Numerical solution for thermophoresis effects on heat and mass transfer over an accelerating surface with heat source/sink. <i>Thermal Science</i> , 2017 , 21, 2719-2730	1.2	1
210	Effect of thermal radiation on magneto-nanofluids free convective flow over an ac-celerated moving ramped temperature plate. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	2
209	CERTAIN INTEGRALS ASSOCIATED WITH GENERALIZED MITTAG-LEFFLER FUNCTION. <i>Communications of the Korean Mathematical Society</i> , 2017 , 32, 29-38		4
208	Numerical investigation of magnetic field effect on mixed convection heat transfer of nanofluid in a channel with sinusoidal walls. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 159-168	2.8	98
207	Forced convection heat transfer in a semi annulus under the influence of a variable magnetic field. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 92, 339-348	4.9	332
206	Theoretical study of moving magnetic beads on an inclined plane and its application in the ratchet separation technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 398, 13-19	2.8	9
205	APPLICATION OF DRUG DELIVERY IN MAGNETOHYDRODYNAMICS PERISTALTIC BLOOD FLOW OF NANOFLUID IN A NON-UNIFORM CHANNEL. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1650052	0.7	45
204	Steady nanofluid flow between parallel plates considering thermophoresis and Brownian effects. <i>Journal of King Saud University - Science</i> , 2016 , 28, 380-389	3.6	60
203	Two parameters Lie group analysis and numerical solution of unsteady free convective flow of non-Newtonian fluid. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2299-2308	6.1	10
202	Exergetic optimisation of a multi-stage compression transcritical refrigeration cycle. <i>International Journal of Exergy</i> , 2016 , 20, 22	1.2	15
201	Group analysis and numerical solution of slip flow of a nanofluid in porous media with heat transfer. <i>Progress in Computational Fluid Dynamics</i> , 2016 , 16, 190	0.7	3
200	Numerical study of natural convection heat transfer in a heat exchanger filled with nanofluids. <i>Energy</i> , 2016 , 109, 664-678	7.9	60

199	Numerical approach to boundary layer stagnation-point flow past a stretching/shrinking sheet. <i>Journal of Molecular Liquids</i> , 2016 , 221, 860-866	6	35
198	Thermodynamic Analysis and Comparison of the Air-Standard Atkinson and Dual-Atkinson Cycles with Heat Loss, Friction and Variable Specific Heats of Working Fluid. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 1635-1645		6
197	VIM solution of squeezing MHD nanofluid flow in a rotating channel with lower stretching porous surface. <i>Advanced Powder Technology</i> , 2016 , 27, 171-178	4.6	36
196	Three dimensional peristaltic flow of hyperbolic tangent fluid in non-uniform channel having flexible walls. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 653-662	6.1	49
195	Approximate solution of two-term fractional-order diffusion, wave-diffusion, and telegraph models arising in mathematical physics using optimal homotopy asymptotic method. <i>Waves in Random and Complex Media</i> , 2016 , 26, 365-382	1.9	42
194	Rotation invariant HOG for object localization in web images. <i>Signal Processing</i> , 2016 , 125, 304-314	4.4	6
193	Numerical simulation of Fluid flow over a shrinking porous sheet by Successive linearization method. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 51-56	6.1	28
192	Numerical study of natural convection of a water/Alumina nanofluid in inclined C-shaped enclosures under the effect of magnetic field. <i>Advanced Powder Technology</i> , 2016 , 27, 661-672	4.6	62
191	Laplace transform homotopy perturbation method for the approximation of variational problems. <i>SpringerPlus</i> , 2016 , 5, 276		6
190	Analytical and numerical studies on heat transfer of a nanofluid over a stretching/shrinking sheet with second-order slip flow model 2016 , 11,		22
189	MHD stagnation point flow heat and mass transfer of nanofluids in porous medium with radiation, viscous dissipation and chemical reaction. <i>Advanced Powder Technology</i> , 2016 , 27, 742-749	4.6	93
188	Free convection of magnetic nanofluid considering MFD viscosity effect. <i>Journal of Molecular Liquids</i> , 2016 , 218, 393-399	6	220
187	Non-uniform magnetic field effect on nanofluid hydrothermal treatment considering Brownian motion and thermophoresis effects. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016 , 38, 1171-1184	2	51
186	Non-uniform heat source/sink and Soret effects on MHD non-Darcian convective flow past a stretching sheet in a micropolar fluid with radiation. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 93, 674-682	4.9	131
185	MHD stagnation-point flow past a stretching/shrinking sheet in the presence of heat generation/absorption and chemical reaction effects. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016 , 38, 1999-2008	2	13
184	Performance evaluation of an irreversible Miller cycle comparing FTT (finite-time thermodynamics) analysis and ANN (artificial neural network) prediction. <i>Energy</i> , 2016 , 94, 100-109	7.9	37
183	Numerical Study of Free Convective Flow of a Nanofluid over a Chemically Reactive Porous Flat Vertical Plate with a Second-Order Slip Model. <i>Journal of Aerospace Engineering</i> , 2016 , 29, 04015047	1.4	5
182	A Numerical Comparative Study on 3D Nanofluid Flows. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 4835-4842	0.3	11

181	MHD Squeezing Flow of Nanofluid Between Parallel Plates in the Presence of Aligned Magnetic Field. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 8700-8708	0.3	6
180	Entropy Generation with Nonlinear Thermal Radiation in MHD Boundary Layer Flow Over a Permeable Shrinking/Stretching Sheet: Numerical Solution. <i>Journal of Nanofluids</i> , 2016 , 5, 543-548	2.2	28
179	Analytic Study of Drug Delivery in Peristaltically Induced Motion of Non-Newtonian Nanofluid. <i>Journal of Nanofluids</i> , 2016 , 5, 920-927	2.2	12
178	Application of Modified Optimal Homotopy Perturbation Method to Higher Order Boundary Value problems in a Finite Domain. <i>Haceteppe Journal of Mathematics and Statistics</i> , 2016 , 4,	1.3	2
177	Application of Modified Optimal Homotopy Perturbation Method to Higher Order Boundary Value problems in a Finite Domain. <i>Haceteppe Journal of Mathematics and Statistics</i> , 2016 , 5,	1.3	2
176	ENTROPY ANALYSIS ON TITANIUM MAGNETO-NANOPARTICLES SUSPENDED IN WATER-BASED NANOFLUID: A NUMERICAL STUDY. <i>Computational Thermal Sciences</i> , 2016 , 8, 457-468	1.9	9
175	APPLICATION OF FINITE ELEMENT METHOD TO UNSTEADY MAGNETOHYDRODYNAMIC FREE-CONVECTION FLOW PAST A VERTICALLY INCLINED POROUS PLATE INCLUDING THERMAL DIFFUSION AND DIFFUSION THERMO EFFECTS. <i>Journal of Porous Media</i> , 2016 , 19, 701-722	2.9	8
174	Effects of Slip Condition, Variable Viscosity and Inclined Magnetic Field on the Peristaltic Motion of a Non-Newtonian Fluid in an Inclined Asymmetric Channel. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 1381-1393	1.5	9
173	Casson Fluid Flow near the Stagnation Point over a Stretching Sheet with Variable Thickness and Radiation. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 1115-1022	1.5	48
172	Peristaltic Flow of Phan-Thien-Tanner Fluid in an Asymmetric Channel with Porous Medium. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 1615-1625	1.5	24
171	Chaos analysis of the nonlinear duffing oscillators based on the new Adomian polynomials. <i>Journal of Nonlinear Science and Applications</i> , 2016 , 09, 1877-1881	1.9	3
170	Chemically reacting fluid flow induced by an exponentially accelerated infinite vertical plate in a magnetic field and variable temperature via LTT and FEM. <i>Theoretical and Applied Mechanics</i> , 2016 , 43, 49-83	0.4	3
169	Mixed convection boundary-layer flow of a micro polar fluid towards a heated shrinking sheet by homotopy analysis method. <i>Thermal Science</i> , 2016 , 20, 21-34	1.2	12
168	Numerical Study of Entropy Generation with Nonlinear Thermal Radiation on Magnetohydrodynamics non-Newtonian Nanofluid Through a Porous Shrinking Sheet. <i>Journal of Magnetism</i> , 2016 , 21, 468-475	1.9	55
167	Effects of Phase Shift and Wavy Amplitude on the Laminar Forced Convection Heat Transfer Enhancement in Corrugated Channels Using Copper-Water Nano-Fluid. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 4941-4948	0.3	1
166	Effect of Magnetic Field on Entropy Generation in a Microchannel Heat Sink with Offset Fan Shaped. <i>Entropy</i> , 2016 , 18, 10	2.8	8
165	Analysis of Entropy Generation in the Flow of Peristaltic Nanofluids in Channels With Compliant Walls. <i>Entropy</i> , 2016 , 18, 90	2.8	62
164	Entropy Generation on MHD Blood Flow of Nanofluid Due to Peristaltic Waves. <i>Entropy</i> , 2016 , 18, 117	2.8	59

163	Analytical Modeling of MHD Flow over a Permeable Rotating Disk in the Presence of Soret and Dufour Effects: Entropy Analysis. <i>Entropy</i> , 2016 , 18, 131	2.8	15
162	Numerical Simulation of Entropy Generation with Thermal Radiation on MHD Carreau Nanofluid towards a Shrinking Sheet. <i>Entropy</i> , 2016 , 18, 200	2.8	80
161	Entropy Generation on Nanofluid Flow through a Horizontal Riga Plate. <i>Entropy</i> , 2016 , 18, 223	2.8	48
160	Entropy Generation on MHD Eyring-Bowen Nanofluid through a Permeable Stretching Surface. <i>Entropy</i> , 2016 , 18, 224	2.8	93
159	Analytical Approximation of Nonlinear Vibration of Euler-Bernoulli Beams. <i>Latin American Journal of Solids and Structures</i> , 2016 , 13, 1250-1264	1.4	5
158	Entropy Generation on MHD Casson Nanofluid Flow over a Porous Stretching/Shrinking Surface. <i>Entropy</i> , 2016 , 18, 123	2.8	136
157	Thermal diffusion and diffusion thermo effects on an unsteady heat and mass transfer magnetohydrodynamic natural convection Couette flow using FEM. <i>Journal of Computational Design and Engineering</i> , 2016 , 3, 349-362	4.6	24
156	Axisymmetric Powell-Eyring fluid flow with convective boundary condition: optimal analysis. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2016 , 37, 919-928	3.2	22
155	Effects of thermal radiation and electromagnetohydrodynamics on viscous nanofluid through a Riga plate. <i>Multidiscipline Modeling in Materials and Structures</i> , 2016 , 12, 605-618	2.2	31
154	A fractional model of a dynamical Brusselator reaction-diffusion system arising in triple collision and enzymatic reactions. <i>Nonlinear Engineering</i> , 2016 , 5,	3	16
153	Effects of thermal boundary conditions on the joule heating of electrolyte in a microchannel. <i>Journal of Hydrodynamics</i> , 2016 , 28, 850-862	3.3	1
152	Comparison Between Casson Fluid Flow in the Presence of Heat and Mass Transfer From a Vertical Cone and Flat Plate. <i>Journal of Heat Transfer</i> , 2016 , 138,	1.8	16
151	Influences of an effective Prandtl number model on nano boundary layer flow of $\text{Al}_2\text{O}_3\text{-H}_2\text{O}$ and $\text{Al}_2\text{O}_3\text{-H}_2\text{O}_2$ over a vertical stretching sheet. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 98, 616-623	4.9	56
150	Combine effects of Magnetohydrodynamics (MHD) and partial slip on peristaltic Blood flow of Ree-Eyring fluid with wall properties 2016 , 19, 1497-1502		41
149	Effects of thermo-diffusion and thermal radiation on Williamson nanofluid over a porous shrinking/stretching sheet. <i>Journal of Molecular Liquids</i> , 2016 , 221, 567-573	6	241
148	Numerical study of heat transfer performance of nanofluids in a heat exchanger. <i>Applied Thermal Engineering</i> , 2016 , 105, 436-455	5.8	70
147	Modified cubic B-spline differential quadrature method for numerical solution of three-dimensional coupled viscous Burger equation. <i>Modern Physics Letters B</i> , 2016 , 30, 1650110	1.6	28
146	Magnetic field effect on unsteady nanofluid flow and heat transfer using Buongiorno model. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 164-173	2.8	213

145	MHD stagnation point flow of micropolar nanofluid between parallel porous plates with uniform blowing. <i>Powder Technology</i> , 2016 , 301, 876-885	5.2	24
144	A study of nonlinear age-structured population models. <i>International Journal of Biomathematics</i> , 2016 , 09, 1650091	1.8	2
143	Speed-up hyperspheres homotopic path tracking algorithm for PWL circuits simulations. <i>SpringerPlus</i> , 2016 , 5, 890		2
142	Solution of analytical model for fuel spray penetration via homotopy perturbation method. <i>Propulsion and Power Research</i> , 2016 , 5, 202-210	3.6	1
141	Numerical investigation of water-alumina nanofluid natural convection heat transfer and entropy generation in a baffled L-shaped cavity. <i>Journal of Molecular Liquids</i> , 2016 , 223, 243-251	6	96
140	Fame bias in editorial choice: Yes or No?. <i>Scientometrics</i> , 2015 , 105, 2253-2254	3	
139	Effect of non-uniform magnetic field on forced convection heat transfer of Fe ₃ O ₄ /water nanofluid. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 294, 299-312	5.7	277
138	Unsteady convective heat and mass transfer in pseudoplastic nanofluid over a stretching wall. <i>Advanced Powder Technology</i> , 2015 , 26, 1319-1326	4.6	52
137	Experimental and numerical investigation of the effective electrical conductivity of nitrogen-doped graphene nanofluids. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	39
136	A comprehensive review of last experimental studies on thermal conductivity of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 863-884	4.1	75
135	Ferrofluid heat transfer treatment in the presence of variable magnetic field. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	117
134	Effect of space dependent magnetic field on free convection of Fe ₃ O ₄ /water nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 56, 6-15	5.3	199
133	Two-phase mixture modeling of mixed convection of nanofluids in a square cavity with internal and external heating. <i>Powder Technology</i> , 2015 , 275, 304-321	5.2	114
132	Corresponding authors: Is there fame bias in editorial choice?. <i>Nature</i> , 2015 , 519, 414	50.4	5
131	Predictor homotopy analysis method for nanofluid flow through expanding or contracting gaps with permeable walls. <i>International Journal of Biomathematics</i> , 2015 , 08, 1550050	1.8	14
130	Heat transfer analysis due to an unsteady stretching/shrinking cylinder with partial slip condition and suction. <i>Ain Shams Engineering Journal</i> , 2015 , 6, 939-945	4.4	27
129	A new and efficient mechanism for spark ignition engines. <i>Energy Conversion and Management</i> , 2015 , 96, 418-429	10.6	28
128	Exact traveling wave solutions of an autonomous system via the enhanced (G'/G)-expansion method. <i>Waves in Random and Complex Media</i> , 2015 , 25, 644-655	1.9	18

127	Heat and mass transfer of nanofluid through an impulsively vertical stretching surface using the spectral relaxation method. <i>Boundary Value Problems</i> , 2015 , 2015,	2.1	6
126	A numerical study for off-centered stagnation flow towards a rotating disc. <i>Propulsion and Power Research</i> , 2015 , 4, 169-178	3.6	10
125	Numerical investigation of magnetic nanofluid forced convective heat transfer in existence of variable magnetic field using two phase model. <i>Journal of Molecular Liquids</i> , 2015 , 212, 117-126	6	172
124	Analytical Solution and Numerical Simulation for One-Dimensional Steady Nonlinear Heat Conduction in a Longitudinal Radial Fin with Various Profiles. <i>Heat Transfer - Asian Research</i> , 2015 , 44, 20-38	2.8	11
123	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 47, 6-17	5.3	183
122	Unsteady MHD free convective flow past a permeable stretching vertical surface in a nano-fluid. <i>International Journal of Thermal Sciences</i> , 2015 , 87, 136-145	4.1	149
121	Analysis of heat transfer due to stretching cylinder with partial slip and prescribed heat flux: A Chebyshev Spectral Newton Iterative Scheme. <i>AEJ - Alexandria Engineering Journal</i> , 2015 , 54, 1029-1036	6.1	39
120	A Comparison of Explicit Semi-Analytical Numerical Integration Methods for Solving Stiff ODE Systems. <i>American Journal of Applied Sciences</i> , 2015 , 12, 304-320	0.8	4
119	Casson fluid flow over a vertical cone with non-uniform heat source/sink and high order chemical reaction. <i>Journal of Naval Architecture and Marine Engineering</i> , 2015 , 12, 125-136	1.4	12
118	Study of Nonlinear MHD Tribological Squeeze Film at Generalized Magnetic Reynolds Numbers Using DTM. <i>PLoS ONE</i> , 2015 , 10, e0135004	3.7	23
117	Heat and Mass Transfer for MHD Viscoelastic Fluid Flow over a Vertical Stretching Sheet with Considering Soret and Dufour Effects. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12	1.1	17
116	Experimental study of nanofluid flow and heat transfer over microscale backward- and forward-facing steps. <i>Experimental Thermal and Fluid Science</i> , 2015 , 65, 13-21	3	55
115	Nature-inspired computing approach for solving non-linear singular Emden-Bowler problem arising in electromagnetic theory. <i>Connection Science</i> , 2015 , 27, 377-396	2.8	87
114	Analysis of entropy generation in an MHD flow over a rotating porous disk with variable physical properties. <i>International Journal of Exergy</i> , 2015 , 16, 481	1.2	23
113	Two phase simulation of natural convection and mixed convection of the nanofluid in a square cavity. <i>Powder Technology</i> , 2015 , 275, 239-256	5.2	88
112	Analytical modeling of entropy generation for Casson nano-fluid flow induced by a stretching surface. <i>Advanced Powder Technology</i> , 2015 , 26, 542-552	4.6	168
111	Numerical simulation of natural convection of the nanofluid in heat exchangers using a Buongiorno model. <i>Applied Mathematics and Computation</i> , 2015 , 254, 183-203	2.7	130
110	Entropy Generation Analysis for Stagnation Point Flow in a Porous Medium over a Permeable Stretching Surface. <i>Journal of Applied Fluid Mechanics</i> , 2015 , 8, 753-765	1.5	35

109	Dual Solutions for MHD Jeffery-Hamel Nano-Fluid Flow in Non-parallel Walls Using Predictor Homotopy Analysis Method. <i>Journal of Applied Fluid Mechanics</i> , 2015 , 8, 911-919	1.5	16
108	Entropy generation analysis of the revised Cheng-Minkowycz problem for natural convective boundary layer flow of nanofluid in a porous medium. <i>Thermal Science</i> , 2015 , 19, 169-178	1.2	8
107	Homotopy simulation of nanofluid dynamics from a non-linearly stretching isothermal permeable sheet with transpiration. <i>Meccanica</i> , 2014 , 49, 469-482	2.1	164
106	Investigation of Heat Transfer in a Porous Annulus with Pulsating Pressure Gradient by Homotopy Analysis Method. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 5113-5128		13
105	New analytical method for gas dynamics equation arising in shock fronts. <i>Computer Physics Communications</i> , 2014 , 185, 1947-1954	4.2	99
104	Investigation of entropy generation in MHD and slip flow over a rotating porous disk with variable properties. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 70, 892-917	4.9	219
103	Buoyancy effect on MHD flow of nanofluid over a stretching sheet in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , 2014 , 198, 234-238	6	272
102	Entropy analysis for an unsteady MHD flow past a stretching permeable surface in nano-fluid. <i>Powder Technology</i> , 2014 , 267, 256-267	5.2	190
101	Comment on "The effects of heat transfer on the exergy efficiency of an air-standard Otto cycle" by Hakan Öcan, <i>Heat and Mass Transfer</i> (2011) 47:571-577. <i>Heat and Mass Transfer</i> , 2014 , 50, 1177-1183	2.2	3
100	Application of three unsupervised neural network models to singular nonlinear BVP of transformed 2D Bratu equation. <i>Neural Computing and Applications</i> , 2014 , 25, 1585-1601	4.8	21
99	Comparative numerical study of single and two-phase models of nanofluid heat transfer in wavy channel. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014 , 35, 831-848	3.2	100
98	Analysis of Entropy Generation in MHD Stagnation-Point Flow in Porous Media with Heat Transfer. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2014 , 15, 345-355	0.7	23
97	Numerical and analytical solutions for Falkner-Skan flow of MHD Oldroyd-B fluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014 , 24, 390-401	4.5	144
96	Double-diffusive radiative magnetic mixed convective slip flow with Biot and Richardson number effects. <i>Journal of Engineering Thermophysics</i> , 2014 , 23, 79-97	1.4	62
95	Analytical solution of fractional Navier-Stokes equation by using modified Laplace decomposition method. <i>Ain Shams Engineering Journal</i> , 2014 , 5, 569-574	4.4	88
94	Mixed Convective Heat Transfer for MHD Viscoelastic Fluid Flow over a Porous Wedge with Thermal Radiation. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 735939	1.2	100
93	First and Second-Law Efficiency Analysis and ANN Prediction of a Diesel Cycle with Internal Irreversibility, Variable Specific Heats, Heat Loss, and Friction Considerations. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 359872	1.2	8
92	Thermodynamic Analysis of a Steam Power Plant with Double Reheat and Feed Water Heaters. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 940818	1.2	14

91	Double diffusive magnetohydrodynamic (MHD) mixed convective slip flow along a radiating moving vertical flat plate with convective boundary condition. <i>PLoS ONE</i> , 2014 , 9, e109404	3.7	9
90	Analytical Investigation of Laminar Viscoelastic Fluid Flow over a Wedge in the Presence of Buoyancy Force Effects. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-11	0.7	5
89	Parametric Analysis of Entropy Generation in Magneto-Hemodynamic Flow in a Semi-Porous Channel with OHAM and DTM. <i>Applied Bionics and Biomechanics</i> , 2014 , 11, 47-60	1.6	16
88	NUMERICAL MODELING OF CAPILLARY GRAVITY WAVES USING THE PHASE FIELD METHOD. <i>Surface Review and Letters</i> , 2014 , 21, 1450036	1.1	9
87	Application of Local Fractional Series Expansion Method to Solve Klein-Gordon Equations on Cantor Sets. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-6	0.7	19
86	On the Application of Homotopy Perturbation Method for Solving Systems of Linear Equations. <i>International Scholarly Research Notices</i> , 2014 , 2014, 143512	0	1
85	Analytical Modelling of Three-Dimensional Squeezing Nanofluid Flow in a Rotating Channel on a Lower Stretching Porous Wall. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-14	1.1	39
84	MHD Natural Convection with Convective Surface Boundary Condition over a Flat Plate. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-10	0.7	8
83	Parametric Analysis of Entropy Generation in Off-centered Stagnation Flow Towards a Rotating Disc. <i>Nonlinear Engineering</i> , 2014 , 3, 27-41	3	1
82	An analytic solution of micropolar flow in a porous channel with mass injection using homotopy analysis method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014 , 24, 419-437	4.5	48
81	Series solutions for the flow in the vicinity of the equator of an MHD boundary-layer over a porous rotating sphere with heat transfer. <i>Thermal Science</i> , 2014 , 18, 527-537	1.2	6
80	Lie Group Solution for Free Convective Flow of a Nanofluid Past a Chemically Reacting Horizontal Plate in a Porous Media. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-21	1.1	71
79	Free convective heat and mass transfer for MHD fluid flow over a permeable vertical stretching sheet in the presence of the radiation and buoyancy effects. <i>Ain Shams Engineering Journal</i> , 2014 , 5, 901-912	4.4	143
78	COMPARATIVE NUMERICAL STUDY OF SINGLE-PHASE AND TWO-PHASE MODELS FOR BIO-NANOFUID TRANSPORT PHENOMENA. <i>Journal of Mechanics in Medicine and Biology</i> , 2014 , 14, 1450011	0.7	46
77	Increasing image compression rate using steganography. <i>Expert Systems With Applications</i> , 2013 , 40, 6918-6927	7.8	18
76	MHD boundary-layer flow over a stretching surface with internal heat generation or absorption. <i>Heat Transfer - Asian Research</i> , 2013 , 42, 500-514	2.8	16
75	Hydromagnetic rotating flow of third grade fluid. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013 , 34, 1481-1494	3.2	9
74	A study on heat transfer in a second-grade fluid through a porous medium with the modified differential transform method. <i>Heat Transfer - Asian Research</i> , 2013 , 42, 31-45	2.8	41

73	Parametric analysis and optimization of entropy generation in unsteady MHD flow over a stretching rotating disk using artificial neural network and particle swarm optimization algorithm. <i>Energy</i> , 2013 , 55, 497-510	7.9	160
72	Semi-computational simulation of magneto-hemodynamic flow in a semi-porous channel using optimal homotopy and differential transform methods. <i>Computers in Biology and Medicine</i> , 2013 , 43, 1142-53	7	58
71	Numerical analysis of mixed convection over horizontal moving porous flat plate by the method of one parameter continuous group theory. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013 , 23, 729-749	4.5	2
70	Entropy generation in steady MHD flow due to a rotating porous disk in a nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 62, 515-525	4.9	515
69	Analysis of a combined power and ejector-refrigeration cycle using low temperature heat. <i>Energy Conversion and Management</i> , 2013 , 65, 381-391	10.6	80
68	Numerical Investigation of Thin Film Spreading Driven by Surfactant Using Upwind Schemes. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-8	1.1	4
67	HOMOTOPY SIMULATION OF TWO-PHASE THERMO-HEMODYNAMIC FILTRATION IN A HIGH PERMEABILITY BLOOD PURIFICATION DEVICE. <i>Journal of Mechanics in Medicine and Biology</i> , 2013 , 13, 1350066	0.7	8
66	Differential transform semi-numerical analysis of biofluid-particle suspension flow and heat transfer in non-Darcian porous media. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 896-907	2.1	14
65	New analytical method for the study of natural convection flow of a non-Newtonian fluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013 , 23, 436-450	4.5	24
64	First and second law analysis of an ejector expansion Joule-Thomson cryogenic refrigeration cycle. <i>International Journal of Energy Research</i> , 2012 , 36, 231-240	4.5	20
63	A GENERALIZED DIFFERENTIAL TRANSFORM METHOD FOR COMBINED FREE AND FORCED CONVECTION FLOW ABOUT INCLINED SURFACES IN POROUS MEDIA. <i>Chemical Engineering Communications</i> , 2012 , 199, 257-282	2.2	13
62	Entropy generation in non-Newtonian fluids due to heat and mass transfer in the entrance region of ducts. <i>Heat and Mass Transfer</i> , 2012 , 48, 1647-1662	2.2	20
61	A STUDY OF NON-NEWTONIAN FLOW AND HEAT TRANSFER OVER A NON-ISOTHERMAL WEDGE USING THE HOMOTOPY ANALYSIS METHOD. <i>Chemical Engineering Communications</i> , 2012 , 199, 231-256	2.2	76
60	Study of pulsatile flow in a porous annulus with the homotopy analysis method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012 , 22, 971-989	4.5	51
59	Analytical Solution of Squeezing Flow between Two Circular Plates. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2012 , 13, 342-349	0.7	10
58	Homotopy perturbation study of nonlinear vibration of Von Karman rectangular plates. <i>Computers and Structures</i> , 2012 , 106-107, 46-55	4.5	39
57	GROUP THEORY AND DIFFERENTIAL TRANSFORM ANALYSIS OF MIXED CONVECTIVE HEAT AND MASS TRANSFER FROM A HORIZONTAL SURFACE WITH CHEMICAL REACTION EFFECTS. <i>Chemical Engineering Communications</i> , 2012 , 199, 1012-1043	2.2	45
56	Analytic approximate solutions for steady flow over a rotating disk in porous medium with heat transfer by homotopy analysis method. <i>Computers and Fluids</i> , 2012 , 54, 1-9	2.8	107

55	Pulsatile Flow through Annular Space Bounded by Outer Porous Cylinder and an Inner Cylinder of Permeable Material. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2012 , 13, 381-391	0.7	3
54	HOMOTOPY ANALYSIS OF TRANSIENT MAGNETO-BIO-FLUID DYNAMICS OF MICROPOLAR SQUEEZE FILM IN A POROUS MEDIUM: A MODEL FOR MAGNETO-BIO-RHEOLOGICAL LUBRICATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1250051	0.7	38
53	Numerical simulation of axisymmetric supersonic viscous flow over a blunt cone with a diagonal fourth-order finite difference method. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2012 , 226, 310-326	0.9	4
52	Analytical method for solving steady MHD convective and slip flow due to a rotating disk with viscous dissipation and Ohmic heating. <i>Engineering Computations</i> , 2012 , 29, 562-579	1.4	72
51	Analytic Approximate Solutions for MHD Boundary-Layer Viscoelastic Fluid Flow over Continuously Moving Stretching Surface by Homotopy Analysis Method with Two Auxiliary Parameters. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-19	1.1	46
50	Homotopy simulation of axisymmetric laminar mixed convection nanofluid boundary layer flow over a vertical cylinder. <i>Theoretical and Applied Mechanics</i> , 2012 , 39, 365-390	0.4	27
49	Modified Differential Transform Method (DTM) Simulation of Hydromagnetic Multi-Physical Flow Phenomena from a Rotating Disk. <i>World Journal of Mechanics</i> , 2011 , 01, 217-230	0.3	3
48	New Analytical Solution of Two-Dimensional Viscous Flow in a Rectangular Domain Bounded by Two Moving Porous Walls. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2011 , 12, 26-33	0.7	3
47	The modified differential transform method for investigating nano boundary-layers over stretching surfaces. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011 , 21, 864-883	4.5	63
46	Parametric analysis and optimization of regenerative Clausius and organic Rankine cycles with two feedwater heaters using artificial bees colony and artificial neural network. <i>Energy</i> , 2011 , 36, 5728-5740	7.9	89
45	Evaluation of the equations of state for air, nitrogen and oxygen on throttle reduction efficiency by using exergy analysis. <i>International Journal of Exergy</i> , 2011 , 9, 297	1.2	3
44	Analytical modelling of the three-dimensional steady-state temperature in a bearing ring. <i>Mecanique Et Industries</i> , 2011 , 12, 1-4		
43	Application of Multi-Step Differential Transform Method on Flow of a Second-Grade Fluid over a Stretching or Shrinking Sheet. <i>American Journal of Computational Mathematics</i> , 2011 , 01, 119-128	0.8	42
42	Study of a third grade non-Newtonian fluid flow between two parallel plates using the multi-step differential transform method. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 2871-2891	2.7	85
41	Variational iteration method for two-dimensional steady slip flow in micro-channels. <i>Archive of Applied Mechanics</i> , 2011 , 81, 1597-1605	2.2	7
40	Variational iteration method for solving three-dimensional Navier-Stokes equations of flow between two stretchable disks. <i>Numerical Methods for Partial Differential Equations</i> , 2011 , 27, 292-301	2.5	8
39	Magnetohydrodynamic biorheological transport phenomena in a porous medium: A simulation of magnetic blood flow control and filtration. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2011 , 27, 805-821	2.6	60
38	Analytical modeling of heat convection in magnetized micropolar fluid by using modified differential transform method. <i>Heat Transfer - Asian Research</i> , 2011 , 40, 187-204	2.8	15

37	Solving of boundary-layer equations with transpiration effects, governance on a vertical permeable cylinder using modified differential transform method. <i>Heat Transfer - Asian Research</i> , 2011 , 40, 677-692 ^{2.8}	2.8	3
36	Analytic approximate solutions for heat transfer of a micropolar fluid through a porous medium with radiation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 1874-1889	3.7	150
35	Simultaneous effects of partial slip and thermal-diffusion and diffusion-thermo on steady MHD convective flow due to a rotating disk. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 4303-4317	3.7	103
34	A new analytical study of MHD stagnation-point flow in porous media with heat transfer. <i>Computers and Fluids</i> , 2011 , 40, 172-178	2.8	60
33	Analytical model for the thermo-hydrodynamic behaviour of a thin lubricant film. <i>Tribology International</i> , 2011 , 44, 1083-1086	4.9	8
32	Analysis and optimization of a transcritical power cycle with regenerator using artificial neural networks and genetic algorithms. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2011 , 225, 701-717	1.6	35
31	DTM- Pad[Modeling of Natural Convective Boundary Layer Flow of a Nanofluid Past a Vertical Surface. <i>CIM Journal</i> , 2011 , 4, 13-24	0.2	46
30	NEW ANALYTICAL SOLUTION OF STAGNATION POINT FLOW IN A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2011 , 14, 1125-1135	2.9	6
29	Application of Homotopy Analysis Method to the Unsteady Squeezing Flow of a Second-Grade Fluid between Circular Plates. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-18	1.1	23
28	A Novel Solution for the Glauert-Jet Problem by Variational Iteration Method-Pad[Approximant. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-7	1.1	8
27	Analytic Solution of Steady Three-Dimensional Problem of Condensation Film on Inclined Rotating Disk by Differential Transform Method. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-15	1.1	6
26	Using Differential Transform Method and Pad[Approximant for Solving MHD Flow in a Laminar Liquid Film from a Horizontal Stretching Surface. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-14 ^{1.1}	1.1	34
25	A NOVEL ANALYTICAL METHOD TO INVESTIGATE EFFECT OF RADIATION ON FLOW OF A MAGNETO-MICROPOLAR FLUID PAST A CONTINUOUSLY MOVING PLATE WITH SUCTION AND BLOWING. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2010 , 01, 219-238	0.8	3
24	THE MODIFIED DIFFERENTIAL TRANSFORM METHOD FOR SOLVING OFF-CENTERED STAGNATION FLOW TOWARD A ROTATING DISC. <i>International Journal of Computational Methods</i> , 2010 , 07, 655-670	1.1	31
23	A novel analytical solution of mixed convection about an inclined flat plate embedded in a porous medium using the DTM-Pad[<i>International Journal of Thermal Sciences</i> , 2010 , 49, 2405-2412	4.1	59
22	Analytic approximate solution of three-dimensional Navier-Stokes equations of flow between two stretchable disks. <i>Numerical Methods for Partial Differential Equations</i> , 2010 , 26, 1594-1607	2.5	2
21	A novel analytical solution of heat transfer of a micropolar fluid through a porous medium with radiation by DTM-Pad[<i>Heat Transfer - Asian Research</i> , 2010 , 39, 575-589	2.8	13
20	A reliable treatment of a homotopy analysis method for two-dimensional viscous flow in a rectangular domain bounded by two moving porous walls. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 1502-1512	2.1	56

19	Series solutions for unsteady laminar MHD flow near forward stagnation point of an impulsively rotating and translating sphere in presence of buoyancy forces. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 1159-1169	2.1	44
18	A semi-analytical solution of micro polar flow in a porous channel with mass injection by using differential transform method. <i>Nonlinear Analysis: Modelling and Control</i> , 2010 , 15, 341-350	1.3	21
17	Analytic approximate solutions for unsteady boundary-layer flow and heat transfer due to a stretching sheet by homotopy analysis method. <i>Nonlinear Analysis: Modelling and Control</i> , 2010 , 15, 83-95	1.3	73
16	A Novel Analytical Solution of the Thermal Boundary-Layer over a Flat Plate with a Convective Surface Boundary Condition Using DTM-Padé		12
15	NEW ANALYTICAL SOLUTION OF THE THREE-DIMENSIONAL NAVIER-STOKES EQUATIONS. <i>Modern Physics Letters B</i> , 2009 , 23, 3147-3155	1.6	23
14	Explicit analytical solutions of the generalized Burger and Burger-Fisher equations by homotopy perturbation method. <i>Numerical Methods for Partial Differential Equations</i> , 2009 , 25, 409-417	2.5	50
13	The homotopy analysis method for explicit analytical solutions of Jaulent-Miodek equations. <i>Numerical Methods for Partial Differential Equations</i> , 2009 , 25, 430-439	2.5	35
12	Analytical solution of three-dimensional Navier-Stokes equations for the flow near an infinite rotating disk. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 2999-3006	3.7	47
11	Purely analytic approximate solutions for steady three-dimensional problem of condensation film on inclined rotating disk by homotopy analysis method. <i>Nonlinear Analysis: Real World Applications</i> , 2009 , 10, 2346-2356	2.1	63
10	New analytical method for solving Burgers' and nonlinear heat transfer equations and comparison with HAM. <i>Computer Physics Communications</i> , 2009 , 180, 1539-1544	4.2	75
9	Approximate solutions for the Burger and regularized long wave equations by means of the homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 708-717	3.7	114
8	The modified differential transform method for solving MHD boundary-layer equations. <i>Computer Physics Communications</i> , 2009 , 180, 2210-2217	4.2	88
7	Differential Transform Method for MHD Boundary-Layer Equations: Combination of the DTM and the Padé Approximant		1
6	Approximate Traveling Wave Solutions of Coupled Whitham-Broer-Kaup Shallow Water Equations by Homotopy Analysis Method. <i>Differential Equations and Nonlinear Mechanics</i> , 2008 , 2008, 1-8		9
5	Analytic Approximate Solutions for Unsteady Two-Dimensional and Axisymmetric Squeezing Flows between Parallel Plates. <i>Mathematical Problems in Engineering</i> , 2008 , 2008, 1-13	1.1	83
4	Analysis of local convective heat transfer in a spark ignition engine. <i>International Communications in Heat and Mass Transfer</i> , 2008 , 35, 215-224	5.8	15
3	CFD Study of Heat Transfer in a Spark-Ignition Engine Combustion Chamber. <i>Journal of Heat Transfer</i> , 2007 , 129, 609-616	1.8	5
2	SUBORDINATION CONDITIONS FOR A CLASS OF NON-BAZILEVIČ TYPE DEFINED BY USING FRACTIONAL Q-CALCULUS OPERATORS. <i>Facta Universitatis Series Mathematics and Informatics</i> , 2007 , 255	0.5	6

1	Modeling and Sensitivity Analysis of Thermal Conductivity of Ethylene Glycol-Water Based Nanofluids with Alumina Nanoparticles. <i>Experimental Techniques</i> ,1	1.4	1
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