

# Dd Ganji

## 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.

540  
papers

27,432  
citations

90  
h-index

132  
g-index

560  
ext. papers

31,010  
ext. citations

4.1  
avg, IF

8.29  
L-index

#	Paper	IF	Citations
540	A novel approach for assessment of MHD mixed fluid around two parallel plates by consideration hybrid nanoparticles and shape factor. <i>AEJ - Alexandria Engineering Journal</i> , <b>2022</b> , 61, 9779-9793	6.1	0
539	Heat transfer hybrid nanofluid (1-Butanol/MoS <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> ) through a wavy porous cavity and its optimization. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , 31, 1547-1567	4.5	24
538	Analysis of Timoshenko beam with Koch snowflake cross-section and variable properties in different boundary conditions using finite element method. <i>Advances in Mechanical Engineering</i> , <b>2021</b> , 13, 168781402110609	1.2	0
537	Hybrid investigation of thermal conductivity and viscosity changeable with generation/absorption heat source. <i>Computational Thermal Sciences</i> , <b>2021</b> ,	1.9	2
536	A comprehensive evaluation of the vertical triplex-tube heat exchanger with PCM, concentrating on flow direction, nanoparticles and multiple PCM implementation. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 26, 101124	3.6	2
535	Entropy generation of three-dimensional B̄ewadt flow of water and hexanol base fluid suspended by (hbox {Fe}_{{3}}hbox {O}_{{4}}) and (hbox {MoS}_{{2}}) hybrid nanoparticles <b>2021</b> , 95, 1		24
534	An optimization study of solidification procedure in a wavy- wall storage unit considering the impacts of NEPCM and curved fin. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 124, 105249	5.8	14
533	Simulation of solidification process of phase change materials in a heat exchanger using branch-shaped fins. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 25, 100835	5.6	11
532	Numerical investigation of droplet coalescence of saltwater in the crude oil by external electric field. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 346, 117111	6	4
531	Letter to editor about Comment on the paper Investigation of squeezing unsteady nanofluid flow using ADM. Sheikholeslami, D.D. Ganji, H.R. Ashorynejad, Powder Technology 239 (2013) 259-265. <i>Powder Technology</i> , <b>2021</b> , 379, 655	5.2	
530	Effect of magnetic and boundary parameters on flow characteristics analysis of micropolar ferrofluid through the shrinking sheet with effective thermal conductivity. <i>Chinese Journal of Physics</i> , <b>2021</b> , 71, 136-150	3.5	9
529	Investigation of mixture fluid suspended by hybrid nanoparticles over vertical cylinder by considering shape factor effect. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1081-1095	4.1	68
528	Investigation of micropolar hybrid ferrofluid flow over a vertical plate by considering various base fluid and nanoparticle shape factor. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , 31, 402-417	4.5	50
527	Heat transfer characteristics and optimization of the efficiency and thermal resistance of a finned thermosyphon. <i>Applied Thermal Engineering</i> , <b>2021</b> , 183, 116136	5.8	6
526	Optimization of hybrid nanoparticles with mixture fluid flow in an octagonal porous medium by effect of radiation and magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1413-1424	4.1	64
525	On the existence and uniqueness of solution for squeezing nanofluid flow problem and Green-Bicard iteration. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , 31, 2986-3008	4.5	0
524	Effect of two different fins (longitudinal-tree like) and hybrid nano-particles (MoS <sub>2</sub> -TiO <sub>2</sub> ) on solidification process in triplex latent heat thermal energy storage system. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 1967-1979	6.1	45

523	Thermal analysis of a moving fin using the radial basis function approximation. <i>Heat Transfer</i> , <b>2021</b> , 50, 7553	3.1	18
522	Investigation of Micropolar Hybrid Nanofluid (Iron Oxide-Molybdenum Disulfide) Flow Across a Sinusoidal Cylinder in Presence of Magnetic Field. <i>International Journal of Applied and Computational Mathematics</i> , <b>2021</b> , 7, 1	1.3	7
521	Study of pressure-swirl atomizer with spiral path at design point and outside of design point. <i>Physics of Fluids</i> , <b>2021</b> , 33, 093305	4.4	2
520	Suction and injection effect on magnetohydrodynamic fluid flow within a vertical annulus for electrical wire cooling. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101241	5.6	0
519	Analytically investigating of heat transfer parameters with presence of graphene oxide nanoparticles in Williamson-magnetic fluid by AGM and HPM methods. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101236	5.6	1
518	Hierarchical implementation of hybrid heat promoters fixated on operational conditions to accelerate the melting phenomenon of a triplex tube heat exchanger. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 25, 101008	3.6	3
517	Development in household water heaters by replacing the shell and tube heat exchangers by inclined flat ones having rectangular fins. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 101490	5.6	1
516	Performance enhancement of a maple leaf-shaped latent heat energy storage unit by adding nanoparticles and leaf vein fins. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103159	7.8	2
515	Investigation of heat energy storage of RT26 organic materials in circular and elliptical heat exchangers in melting and solidification process. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101432	5.6	5
514	Fluctuation and Frequency of the Oscillators with Exponential Spring Using Accurate Approximate Analytical Solutions. <i>Fluctuation and Noise Letters</i> , <b>2021</b> , 20, 2150036	1.2	2
513	Hydrothermal analysis of ethylene glycol nanofluid in a porous enclosure with complex snowflake shaped inner wall. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-18	1.9	43
512	Hydrothermal analysis of MHD squeezing mixture fluid suspended by hybrid nanoparticles between two parallel plates. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 21, 100650	5.6	64
511	Investigation of different base fluids suspend by CNTs hybrid nanoparticle over a vertical circular cylinder with sinusoidal radius. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 21, 100666	5.6	70
510	Effect of internal fins along with Hybrid Nano-Particles on solid process in star shape triplex Latent Heat Thermal Energy Storage System by numerical simulation. <i>Renewable Energy</i> , <b>2020</b> , 154, 497-507	8.1	77
509	Heat transfer characteristics of an external-fin-assisted two-phase closed thermosyphon: An experimental study. <i>Heat Transfer</i> , <b>2020</b> , 49, 4304-4320	3.1	3
508	Investigation of cross-fluid flow containing motile gyrotactic microorganisms and nanoparticles over a three-dimensional cylinder. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 3297-3307	6.1	107
507	Effect of SiO <sub>2</sub> super-hydrophobic coating and self-wetting fluid on two phase closed thermosyphon heat transfer characteristics: An experimental and numerical study. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 315, 113748	6	28
506	Multi-objective optimization of an externally finned two-phase closed thermosyphon using response surface methodology. <i>Applied Thermal Engineering</i> , <b>2020</b> , 171, 115008	5.8	11

505	Role of various configurations of a wavy circular heater on convective heat transfer within an enclosure filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 113, 104525	5.8	36
504	Numerical simulation of hydrothermal features of CuO nanofluid natural convection within a porous annulus considering diverse configurations of heater. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 2109-2125	4.1	72
503	On the solution of time-fractional dynamical model of Brusselator reaction-diffusion system arising in chemical reactions. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> , 43, 3903	2.3	12
502	Investigation of Hydrothermal Behavior of Fe <sub>3</sub> O <sub>4</sub> -H <sub>2</sub> O Nanofluid Natural Convection in a Novel Shape of Porous Cavity Subjected to Magnetic Field Dependent (MFD) Viscosity. <i>Journal of Energy Storage</i> , <b>2020</b> , 30, 101395	7.8	61
501	Analysis of a single-phase natural circulation loop with hybrid-nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 112, 104498	5.8	29
500	Study of pressure swirl atomizer with tangential input at design point and outside of design point. <i>Physics of Fluids</i> , <b>2020</b> , 32, 127113	4.4	1
499	Solidification expedition of Phase Change Material in a triplex-tube storage unit via novel fins and SWCNT nanoparticles. <i>Journal of Energy Storage</i> , <b>2020</b> , 28, 101188	7.8	19
498	Magneto-hydrodynamic natural convection and entropy generation analyses inside a nanofluid-filled incinerator-shaped porous cavity with wavy heater block. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 2033-2045	4.1	45
497	A modified Fourier approach for analysis of nanofluid heat generation within a semi-circular enclosure subjected to MFD viscosity. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 111, 104430	5.8	69
496	Effect of fin and hybrid nano-particles on solid process in hexagonal triplex Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 300, 112347	6	50
495	A theoretical nanofluid analysis exhibiting hydromagnetics characteristics employing CVFEM. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2020</b> , 42, 1	2	18
494	Entropy generation and economic analyses in a nanofluid filled L-shaped enclosure subjected to an oriented magnetic field. <i>Applied Thermal Engineering</i> , <b>2020</b> , 168, 114789	5.8	49
493	Investigation of entropy generation in a square inclined cavity using control volume finite element method with aided quadratic Lagrange interpolation functions. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 110, 104398	5.8	54
492	Barycentric rational interpolation method for numerical investigation of magneto-hydrodynamics nanofluid flow and heat transfer in nonparallel plates with thermal radiation. <i>Heat Transfer - Asian Research</i> , <b>2020</b> , 49, 565-590	2.8	5
491	Role of Carbon Dioxide Reforming Reaction Rate of Methane in Solid Oxide Fuel Cell Simulation: Effect of Inlet Fuel Related Parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-20	1.6	
490	Second law analysis of magneto-natural convection in a nanofluid filled wavy-hexagonal porous enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2020</b> , 30, 4811-4836	4.5	56
489	Simulation of CuO/AlOOH/Water in a microchannel heat sink by dint of porous media approach. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 21, 100723	5.6	12
488	Squeezing nanofluid flow between parallel rotating plates analysis by AGM method. <i>International Journal of Ambient Energy</i> , <b>2020</b> , 1-8	2	1

487	A parametric study of the heat and mass diffusion dimensionless parameter in SOFC with DIR by lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 1	4.1	1
486	Natural convection analysis in a square enclosure with a wavy circular heater under magnetic field and nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 661-671	4.1	121
485	The influence of different shapes of nanoparticle on CuO nanofluids in a partially heated irregular wavy enclosure. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 540, 123034	3.3	49
484	Intake charge temperature effect on performance characteristics of direct injection low-temperature combustion engines. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 2447-2454	4.1	2
483	Optical soliton solutions to the (2+1)-dimensional Kundu-Mukherjee-Naskar equation. <i>International Journal of Modern Physics B</i> , <b>2020</b> , 34, 2050102	1.1	12
482	Solidification acceleration in a triplex-tube latent heat thermal energy storage system using V-shaped fin and nano-enhanced phase change material. <i>Applied Thermal Engineering</i> , <b>2019</b> , 163, 114436	5.8	41
481	Entropy generation analysis of (CH <sub>2</sub> OH) <sub>2</sub> containing CNTs nanofluid flow under effect of MHD and thermal radiation. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100482	5.6	91
480	Natural Convection Analysis in a Cavity with an Inclined Elliptical Heater Subject to Shape Factor of Nanoparticles and Magnetic Field. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 7919-7931	2.5	107
479	Shape effects of Copper-Oxide (CuO) nanoparticles to determine the heat transfer filled in a partially heated rhombus enclosure: CVFEM approach. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 107, 14-23	5.8	67
478	Effects of homogeneous-heterogeneous reactions and thermal radiation on magneto-hydrodynamic Cu-water nanofluid flow over an expanding flat plate with non-uniform heat source. <i>Journal of Central South University</i> , <b>2019</b> , 26, 1161-1171	2.1	37
477	Characteristics of ferrofluid flow over a stretching sheet with suction and injection. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100470	5.6	14
476	Numerical analysis of entropy generation of a nanofluid in a semi-annulus porous enclosure with different nanoparticle shapes in the presence of a magnetic field. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	45
475	Investigating the effects of hybrid nanoparticles on solid-liquid phase change process in a Y-shaped fin-assisted LHTESS by means of FEM. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 287, 110931	6	26
474	Numerical simulation for thermal radiation and porous medium characteristics in flow of CuO-H <sub>2</sub> O nanofluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2019</b> , 41, 1	2	39
473	Measurement of low-pressure Knudsen force with deflection approximation for gas detection. <i>Results in Physics</i> , <b>2019</b> , 13, 102257	3.7	9
472	Hydrothermal analysis of MHD nanofluid (TiO <sub>2</sub> -GO) flow between two radiative stretchable rotating disks using AGM. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100460	5.6	78
471	A numerical treatment of the TiO <sub>2</sub> /C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> -H <sub>2</sub> O hybrid base nanofluid inside a porous cavity under the impact of shape factor in MHD flow. <i>International Journal of Ambient Energy</i> , <b>2019</b> , 1-8	2	23
470	A computational framework for natural convective hydromagnetic flow via inclined cavity: An analysis subjected to entropy generation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 287, 110863	6	50

469	Entropy generation in a nanofluid-filled semi-annulus cavity by considering the shape of nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1607-1621	4.1	39
468	Hydrothermal analysis of magneto hydrodynamic nanofluid flow between two parallel by AGM. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100439	5.6	57
467	Investigation on Magneto Eyring-Powell nanofluid flow over inclined stretching cylinder with nonlinear thermal radiation and Joule heating effect. <i>World Journal of Engineering</i> , <b>2019</b> , 16, 51-63	1.8	40
466	Magneto-hydrodynamic flow and heat transfer of a hybrid nanofluid in a rotating system among two surfaces in the presence of thermal radiation and Joule heating. <i>AIP Advances</i> , <b>2019</b> , 9, 025103	1.5	130
465	Free convection of copper-water nanofluid in a porous gap between hot rectangular cylinder and cold circular cylinder under the effect of inclined magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 1171-1184	4.1	76
464	Numerical analysis of natural convection of Cu-water nanofluid filling triangular cavity with semicircular bottom wall. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 3485-3497	4.1	90
463	A numerical investigation of magneto-hydrodynamic natural convection of Cu-water nanofluid in a wavy cavity using CVFEM. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 2599-2611	4.1	78
462	Numerical simulation of nanoparticle shape and thermal ray on a CuO/C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> /H <sub>2</sub> O hybrid base nanofluid inside a porous enclosure using Darcy's law. <i>Heat Transfer - Asian Research</i> , <b>2019</b> , 48, 3278-3294 <sup>8</sup>	4.8	13
461	Investigation of natural convection of magnetic nanofluid in an enclosure with a porous medium considering Brownian motion. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100502	5.6	64
460	Effect of nanoparticle shape factor and snowflake crystal structure on discharging acceleration LHTESS containing (Al <sub>2</sub> O <sub>3</sub> - GO) HNEPCM. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 289, 111140	6	16
459	Numerical thermal study on CNTs/ C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> /H <sub>2</sub> O hybrid base nanofluid upon a porous stretching cylinder under impact of magnetic source. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100490	5.6	48
458	Entropy generation analysis of mixture nanofluid (H <sub>2</sub> O/c <sub>2</sub> H <sub>6</sub> O <sub>2</sub> )/Be <sub>3</sub> O <sub>4</sub> flow between two stretching rotating disks under the effect of MHD and nonlinear thermal radiation. <i>International Journal of Ambient Energy</i> , <b>2019</b> , 1-13	2	39
457	Investigation of phase change material solidification process in a LHTESS in the presence of fins with variable thickness and hybrid nanoparticles. <i>Applied Thermal Engineering</i> , <b>2019</b> , 152, 706-717	5.8	39
456	Natural convection MHD flow due to MoS <sub>2</sub> /Ag nanoparticles suspended in C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> /H <sub>2</sub> O hybrid base fluid with thermal radiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 97, 12-23	5.3	66
455	Simulation of Fe <sub>3</sub> O <sub>4</sub> -H <sub>2</sub> O nanoliquid in a triangular enclosure subjected to Cattaneo-Christov theory of heat conduction. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 4430-4444	4.5	31
454	3D optimization of baffle arrangement in a multi-phase nanofluid natural convection based on numerical simulation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 2583-2605	4.5	28
453	Influence of inclined Lorentz forces through a porous media on squeezing Cu-H <sub>2</sub> O nanofluid in the presence of heat source/sink. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 2563-2581	4.5	6
452	Investigation of magneto-hydrodynamic fluid squeezed between two parallel disks by considering Joule heating, thermal radiation, and adding different nanoparticles. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 659-680	4.5	51

451	Investigating the effect of piston bowl geometry on the partially premixed dual fuel combustion engine at low load condition. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	1
450	Analytical solution for differential nonlinear and coupled equations in micropolar nanofluid flow between rotating parallel plates. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 2601-2617	2.3	4
449	CVFEM analysis for Fe <sub>3</sub> O <sub>4</sub> -H <sub>2</sub> O nanofluid in an annulus subject to thermal radiation. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 132, 473-483	4.9	89
448	Solidification process of hybrid nano-enhanced phase change material in a LHTESS with tree-like branching fin in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 909-925	6	59
447	Hydrothermal analysis of Non-Newtonian second grade fluid flow on radiative stretching cylinder with Soret and Dufour effects. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 13, 100384	5.6	52
446	Investigation of MHD Eyring-Powell fluid flow over a rotating disk under effect of homogeneous-heterogeneous reactions. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 13, 100356	5.6	89
445	Magneto-hydrodynamic natural convection of CuO-water nanofluid in complex shaped enclosure considering various nanoparticle shapes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 1663-1679	4.5	56
444	Improved velocity and temperature profiles for integral solution in the laminar boundary layer flow on a semi-infinite flat plate. <i>Heat Transfer - Asian Research</i> , <b>2019</b> , 48, 182-215	2.8	1
443	Investigation of LHTESS filled by Hybrid nano-enhanced PCM with Koch snowflake fractal cross section in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 273, 414-424	6	35
442	Nonlinear thermal radiation and chemical reaction effects on Maxwell fluid flow with convectively heated plate in a porous medium. <i>Heat Transfer - Asian Research</i> , <b>2019</b> , 48, 744-759	2.8	63
441	Heat Transfer Performance on Longitudinal Porous Fins with Temperature-Dependent Heat Generation, Heat Transfer Coefficient and Surface Emissivity. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , <b>2019</b> , 43, 383-391	1.2	3
440	Fe <sub>3</sub> O <sub>4</sub> -(CH <sub>2</sub> OH) <sub>2</sub> nanofluid analysis in a porous medium under MHD radiative boundary layer and dusty fluid. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 258, 172-185	6	90
439	Investigation on three dimensional squeezing flow of mixture base fluid (ethylene glycol-water) suspended by hybrid nanoparticle (Fe <sub>3</sub> O <sub>4</sub> -Ag) dependent on shape factor. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 262, 376-388	6	72
438	Nonlinear thermal radiation effect on magneto Casson nanofluid flow with Joule heating effect over an inclined porous stretching sheet. <i>Case Studies in Thermal Engineering</i> , <b>2018</b> , 12, 176-187	5.6	124
437	Exergy loss analysis for nanofluid forced convection heat transfer in a pipe with modified turbulators. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 262, 104-110	6	45
436	A numerical investigation on ethylene glycol-titanium dioxide nanofluid convective flow over a stretching sheet in presence of heat generation/absorption. <i>Case Studies in Thermal Engineering</i> , <b>2018</b> , 12, 228-236	5.6	98
435	Nanofluid thin film flow and heat transfer over an unsteady stretching elastic sheet by LSM. <i>Journal of Mechanical Science and Technology</i> , <b>2018</b> , 32, 177-183	1.6	28
434	Developing a multi-zone model for a HCCI engine to obtain optimal conditions using genetic algorithm. <i>Energy Conversion and Management</i> , <b>2018</b> , 157, 49-58	10.6	14

433	Effect of Cattaneo-Christov heat flux on buoyancy MHD nanofluid flow and heat transfer over a stretching sheet in the presence of Joule heating and thermal radiation impacts. <i>Indian Journal of Physics</i> , <b>2018</b> , 92, 757-766	1.4	47
432	Analytical and numerical solution of non-Newtonian second-grade fluid flow on a stretching sheet. <i>Thermal Science and Engineering Progress</i> , <b>2018</b> , 5, 309-316	3.6	62
431	Application of molecular force for mass analysis of Krypton/Xenon mixture in low-pressure MEMS gas sensor. <i>Vacuum</i> , <b>2018</b> , 150, 207-215	3.7	20
430	Effect of geometrical parameters on radiometric force in low-pressure MEMS gas actuator. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 2189-2198	1.7	17
429	Investigation for squeezing flow of ethylene glycol (C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ) carbon nanotubes (CNTs) in rotating stretching channel with nonlinear thermal radiation. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 263, 10-21	6	65
428	Rheological behaviour of various metal-based nano-fluids between rotating discs: a new insight. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 88, 37-48	5.3	51
427	Heat transfer enhancement of ferrofluid inside an 90° elbow channel by non-uniform magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 460, 302-311	2.8	53
426	Mass analysis of CH <sub>4</sub> /SO <sub>2</sub> gas mixture by low-pressure MEMS gas sensor. <i>Journal of Natural Gas Science and Engineering</i> , <b>2018</b> , 53, 317-328	4.6	31
425	Crosswise stream of hydrogen-oxide (H <sub>2</sub> O) through a porous media containing copper nanoparticles. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 7562-7569	6.7	13
424	Analytical scrutiny of nonlinear equation of hypocycloid motion by AGM. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 1575-1582	4.8	
423	Numerical investigation of nanofluid melting heat transfer between two pipes. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 1261-1269	6.1	10
422	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> , <b>2018</b> , 9, 1671-1681	4.4	14
421	Magnetic field effect on nanofluid flow between two circular cylinders using AGM. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 587-594	6.1	25
420	Ferrofluid convective heat transfer under the influence of external magnetic source. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 49-60	6.1	14
419	Numerical simulation of heat sink cooling in the mainboard chip of a computer with temperature dependent thermal conductivity. <i>Applied Thermal Engineering</i> , <b>2018</b> , 130, 1450-1459	5.8	19
418	Nanofluid heat transfer analysis in a microchannel heat sink (MCHS) under the effect of magnetic field by means of KKL model. <i>Powder Technology</i> , <b>2018</b> , 324, 36-47	5.2	95
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272	Heat transfer study on convective-radiative semi-spherical fins with temperature-dependent properties and heat generation using efficient computational methods. <i>Applied Thermal Engineering</i> , <b>2015</b> , 89, 299-305	5.8	74



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269	Efficient approaches of determining the motion of a spherical particle in a swirling fluid flow using weighted residual methods. <i>Particuology</i> , <b>2015</b> , 23, 68-74	2.8	14
268	Free convection heat transfer and fluid flow of Cu/water nanofluids inside a triangular cylindrical annulus. <i>Powder Technology</i> , <b>2015</b> , 277, 1-10	5.2	14
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265	Investigation of thermal radiation on traditional Jeffery-Hamel flow to stretchable convergent/divergent channels. <i>Case Studies in Thermal Engineering</i> , <b>2015</b> , 6, 28-39	5.6	34
264	Study on blood flow containing nanoparticles through porous arteries in presence of magnetic field using analytical methods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 70, 146-156	3	87
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260	Heat transfer and flow analysis of nanofluid flow between parallel plates in presence of variable magnetic field using HPM. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 396, 275-282	2.8	23
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257	Numerical analysis of natural convection for non-Newtonian fluid conveying nanoparticles between two vertical parallel plates. <i>European Physical Journal Plus</i> , <b>2015</b> , 130, 1	3.1	21
256	Fluid flow and heat transfer in an air-to-water double-pipe heat exchanger. <i>European Physical Journal Plus</i> , <b>2015</b> , 130, 1	3.1	19
255	Investigation of third-grade non-Newtonian blood flow in arteries under periodic body acceleration using multi-step differential transformation method. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2015</b> , 36, 1449-1458	3.2	17
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253	Thermal management of double-pipe air to water heat exchanger. <i>Energy and Buildings</i> , <b>2015</b> , 88, 361-366		26
252	Analytical investigation of porous pin fins with variable section in fully-wet conditions. <i>Case Studies in Thermal Engineering</i> , <b>2015</b> , 5, 1-12	5.6	38
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246	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2015</b> , 283, 651-663	5.7	265
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239	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 374, 36-43	2.8	616
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6	Explicit Solutions of Helmholtz Equation and Fifth-order KdV Equation using Homotopy Perturbation Method. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2006</b> , 7,	1.8	111
5	Assessment of homotopy perturbation and perturbation methods in heat radiation equations. <i>International Communications in Heat and Mass Transfer</i> , <b>2006</b> , 33, 391-400	5.8	159
4	The application of He's homotopy perturbation method to nonlinear equations arising in heat transfer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 355, 337-341	2.3	312
3	Solitary wave solutions for a generalized Hirota-Batsuma coupled KdV equation by homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 356, 131-137	2.3	163
2	Hydrothermal analysis on non-Newtonian nanofluid flow of blood through porous vessels. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 095440892110692	1.5	9

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