Marjan Goodarzi

List of Publications by Year in Descending Order

141 papers	7,343 citations	52 h-index	81 g-index
144 ext. papers	9,073 ext. citations	4.2 avg, IF	7.01 L-index

#	Paper	IF	Citations
141	Thermal efficiency enhancement of solar aircraft by utilizing unsteady hybrid nanofluid: A single-phase optimized entropy analysis. *Sustainable Energy Technologies and Assessments*, **2022**, 52, 101898	4.7	6
140	Dynamics analysis of a novel hybrid deep clustering for unsupervised learning by reinforcement of multi-agent to energy saving in intelligent buildings. *Applied Energy*, **2022**, 313, 118863	10.7	5
139	An innovative design of a high strength and low weight sudden micro expansion by considering a nanofluid: Electronic cooling application. *Case Studies in Thermal Engineering*, **2021**, 28, 101637	5.6	3
138	Applying Bayesian Markov chain Monte Carlo (MCMC) modeling to predict the melting behavior of phase change materials. *Journal of Energy Storage*, **2021**, 45, 103570	7.8	4
137	Entropy Optimization of First-Grade Viscoelastic Nanofluid Flow over a Stretching Sheet by Using Classical Keller-Box Scheme. *Mathematics*, **2021**, 9, 2563	2.3	13
136	A Significant Solar Energy Note on Powell-Eyring Nanofluid with Thermal Jump Conditions: Implementing Cattaneo-Christov Heat Flux Model. *Mathematics*, **2021**, 9, 2669	2.3	11
135	Pareto optimal design of a finned latent heat thermal energy storage unit using a novel hybrid technique. *Journal of Energy Storage*, **2021**, 44, 103310	7.8	6
134	Effect of various factors and diverse approaches to enhance the performance of solar stills: a comprehensive review. *Journal of Thermal Analysis and Calorimetry*, **2021**, 1	4.1	13
133	Numerical analysis of dual variable of conductivity in bioconvection flow of Carreau–Yasuda nanofluid containing gyrotactic motile microorganisms over a porous medium. *Journal of Thermal Analysis and Calorimetry*, **2021**, 145, 2033-2044	4.1	24
132	Entropy generation of graphene–platinum hybrid nanofluid flow through a wavy cylindrical microchannel solar receiver by using neural networks. *Journal of Thermal Analysis and Calorimetry*, **2021**, 145, 1949-1967	4.1	49
131	Effect of injection parameters and producer gas derived from redgram stalk on the performance and emission characteristics of a diesel engine. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 3133-3142	6.1	35
130	Experimental investigation on compression ignition engine powered with pentanol and thevetia peruviana methyl ester under reactivity controlled compression ignition mode of operation. *Case Studies in Thermal Engineering*, **2021**, 25, 100921	5.6	22
129	Influence of nozzle area ratio on the gas-particle flow for single-hose dry ice blasting nozzle. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2343-2354	4.1	6
128	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1389-1398	4.1	22
127	Thermal analysis of a binary base fluid in pool boiling system of glycol–water alumina nano-suspension. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2453-2462	4.1	33
126	Influence of base fluid, temperature, and concentration on the thermophysical properties of hybrid nanofluids of alumina–ferrofluid: experimental data, modeling through enhanced ANN, ANFIS, and curve fitting. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 4149-4167	4.1	107
125	Effect of different building envelope materials on thermal comfort and air-conditioning energy savings: A case study in Basra city, Iraq. *Journal of Energy Storage*, **2021**, 34, 101975	7.8	22

124	Optimizing nozzle convergent angle using central composite design on the particle velocity and acoustic power level for single-hose dry ice blasting nozzle. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2159-2173	4.1	4
123	Effect of Sr@ZnO nanoparticles and Ricinus communis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics. *Energy*, **2021**, 215, 119094	7.9	69
122	Thermal and mechanical design of tangential hybrid microchannel and high-conductivity inserts for cooling of disk-shaped electronic components. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2125-2133	4.1	25
121	Boiling flow of graphene nanoplatelets nano-suspension on a small copper disk. *Powder Technology* , **2021**, 377, 10-19	5.2	18
120	Improving the efficiency of an exhaust thermoelectric generator based on changes in the baffle distribution of the heat exchanger. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 523-533	4.1	19
119	Experimental Analysis of Engine Performance and Exhaust Pollutant on a Single-Cylinder Diesel Engine Operated Using Moringa Oleifera Biodiesel. *Applied Sciences (Switzerland)*, **2021**, 11, 7071	2.6	14
118	Adsorption Method for the Remediation of Brilliant Green Dye Using Halloysite Nanotube: Isotherm, Kinetic and Modeling Studies. *Applied Sciences (Switzerland)*, **2021**, 11, 8088	2.6	5
117	Sustainable Adsorption Method for the Remediation of Crystal Violet Dye Using Nutraceutical Industrial Fenugreek Seed Spent. *Applied Sciences (Switzerland)*, **2021**, 11, 7635	2.6	5
116	Effect of Parameters Behavior of Simarouba Methyl Ester Operated Diesel Engine. *Energies*, **2021**, 14, 4973	3.1	7
115	Evaluating the unsteady Casson nanofluid over a stretching sheet with solar thermal radiation: An optimal case study. *Case Studies in Thermal Engineering*, **2021**, 26, 101160	5.6	44
114	A Recent Study on Remediation of Direct Blue 15 Dye Using Halloysite Nanotubes. *Applied Sciences (Switzerland)*, **2021**, 11, 8196	2.6	4
113	Effect of Producer Gas from Redgram Stalk and Combustion Chamber Types on the Emission and Performance Characteristics of Diesel Engine. *Energies*, **2021**, 14, 5879	3.1	1
112	A detailed hydrothermal investigation of a helical micro double-tube heat exchanger for a wide range of helix pitch length. *Case Studies in Thermal Engineering*, **2021**, 28, 101413	5.6	14
111	Boiling heat transfer characteristics of graphene oxide nanoplatelets nano-suspensions of water-perfluorohexane (C6F14) and water-n-pentane. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 4511-4521	6.1	33
110	Effect of impact force for dual-hose dry blasting nozzle geometry for various pressure and distance: an experimental work. *European Physical Journal Plus*, **2020**, 135, 1	3.1	8
109	Transient pool boiling and particulate deposition of copper oxide nano-suspensions. *International Journal of Heat and Mass Transfer*, **2020**, 155, 119743	4.9	48
108	Pool boiling heat transfer to CuO-H2O nanofluid on finned surfaces. *International Journal of Heat and Mass Transfer*, **2020**, 156, 119780	4.9	78
107	Isothermal torrefaction kinetics for sewage sludge pretreatment. *Fuel*, **2020**, 277, 118103	7.1	6

106	Configuration and Optimization of a Minichannel Using Water-Alumina Nanofluid by Non-Dominated Sorting Genetic Algorithm and Response Surface Method. *Nanomaterials*, **2020**, 10,	5.4	74
105	The Effect of Inclination Angle and Reynolds Number on the Performance of a Direct Contact Membrane Distillation (DCMD) Process. *Energies*, **2020**, 13, 2824	3.1	20
104	Investigation of the effect of using various HFC refrigerants in geothermal heat pump with residential heating applications. *Journal of Thermal Analysis and Calorimetry*, **2020**, 141, 361-372	4.1	19
103	Turbulent heat transfer and nanofluid flow in an annular cylinder with sudden reduction. *Journal of Thermal Analysis and Calorimetry*, **2020**, 141, 373-385	4.1	26
102	Exergo-Economic Optimization of Organic Rankine Cycle for Saving of Thermal Energy in a Sample Power Plant by Using of Strength Pareto Evolutionary Algorithm II. *Processes*, **2020**, 8, 264	2.9	20
101	Effect of Nano-Graphene Oxide and n-Butanol Fuel Additives Blended with Diesel–Nigella sativa Biodiesel Fuel Emulsion on Diesel Engine Characteristics. *Symmetry*, **2020**, 12, 961	2.7	72
100	Cooling Enhancement and Stress Reduction Optimization of Disk-Shaped Electronic Components Using Nanofluids. *Symmetry*, **2020**, 12, 931	2.7	23
99	Effect of Zinc Oxide Nano-Additives and Soybean Biodiesel at Varying Loads and Compression Ratios on VCR Diesel Engine Characteristics. *Symmetry*, **2020**, 12, 1042	2.7	42
98	Heat Transfer Improvement in a Double Backward-Facing Expanding Channel Using Different Working Fluids. *Symmetry*, **2020**, 12, 1088	2.7	21
97	Potential application of Response Surface Methodology (RSM) for the prediction and optimization of thermal conductivity of aqueous CuO (II) nanofluid: A statistical approach and experimental validation. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 554, 124353	3.3	28
96	Study of Two-Phase Newtonian Nanofluid Flow Hybrid with Hafnium Particles under the Effects of Slip. *Inventions*, **2020**, 5, 6	2.9	69
95	Influence of divergent length on the gas-particle flow in dual hose dry ice blasting nozzle geometry. *Powder Technology*, **2020**, 364, 152-158	5.2	12
94	Develop optimal network topology of artificial neural network (AONN) to predict the hybrid nanofluids thermal conductivity according to the empirical data of Al2O3 Cu nanoparticles dispersed in ethylene glycol. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 549, 124015	3.3	79
93	Numerical investigation of mixed convection heat transfer behavior of nanofluid in a cavity with different heat transfer areas. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 2779-2803	4.1	40
92	Heat transfer evaluation of a micro heat exchanger cooling with spherical carbon-acetone nanofluid. *International Journal of Heat and Mass Transfer*, **2020**, 149, 119124	4.9	55
91	Investigation on the effect of cottonseed oil blended with different percentages of octanol and suspended MWCNT nanoparticles on diesel engine characteristics. *Journal of Thermal Analysis and Calorimetry*, **2020**, 1	4.1	26
90	Operation analysis, response and performance evaluation of a pulsating heat pipe for low temperature heat recovery. *Energy Conversion and Management*, **2020**, 222, 113230	10.6	49
89	Comparative study of the performance of air and geothermal sources of heat pumps cycle operating with various refrigerants and vapor injection. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 4037-4047	6.1	37

88	A novel technique based on artificial intelligence for modeling the required temperature of a solar bread cooker equipped with concentrator through experimental data. *Food and Bioproducts Processing*, **2020**, 123, 437-449	4.9	12
87	Thermal evaluation of a heat pipe working with n-pentane-acetone and n-pentane-methanol binary mixtures. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 2435-2445	4.1	53
86	Comparing various machine learning approaches in modeling the dynamic viscosity of CuO/water nanofluid. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 2585-2599	4.1	94
85	Investigation of energy performance in a U-shaped evacuated solar tube collector using oxide added nanoparticles through the emitter, absorber and transmittal environments via discrete ordinates radiation method. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 2623-2631	4.1	83
84	Experimental study of the effect of various surfactants on surface sediment and pool boiling heat transfer coefficient of silica/DI water nano-fluid. *Powder Technology*, **2019**, 356, 391-402	5.2	27
83	Experimental investigation and performance optimisation of a catalytic reforming micro-reactor using response surface methodology. *Energy Conversion and Management*, **2019**, 199, 111983	10.6	25
82	Present a new multi objective optimization statistical Pareto frontier method composed of artificial neural network and multi objective genetic algorithm to improve the pipe flow hydrodynamic and thermal properties such as pressure drop and heat transfer coefficient for non-Newtonian binary fluids. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 535, 122409	3.3	24
81	A novel sensitivity analysis model of EANN for F-MWCNTs–Fe3O4/EG nanofluid thermal conductivity: Outputs predicted analytically instead of numerically to more accuracy and less costs. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 521, 406-415	3.3	103
80	Performance Enhancement of Internal Combustion Engines through Vibration Control: State of the Art and Challenges. *Applied Sciences (Switzerland)*, **2019**, 9, 406	2.6	29
79	Application of Nanofluids in Thermal Performance Enhancement of Parabolic Trough Solar Collector: State-of-the-Art. *Applied Sciences (Switzerland)*, **2019**, 9, 463	2.6	134
78	Thermal Assessment of Nano-Particulate Graphene-Water/Ethylene Glycol (WEG 60:40) Nano-Suspension in a Compact Heat Exchanger. *Energies*, **2019**, 12, 1929	3.1	87
77	Thermal Evaluation of Graphene Nanoplatelets Nanofluid in a Fast-Responding HP with the Potential Use in Solar Systems in Smart Cities. *Applied Sciences (Switzerland)*, **2019**, 9, 2101	2.6	54
76	Numerical modeling of aeroacoustic characteristics of different savonius blade profiles. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 3349-3369	4.5	5
75	Reforming of methanol with steam in a micro-reactor with Cu–SiO2 porous catalyst. *International Journal of Hydrogen Energy*, **2019**, 44, 19628-19639	6.7	36
74	Heat transfer analysis of Ga-In-Sn in a compact heat exchanger equipped with straight micro-passages. *International Journal of Heat and Mass Transfer*, **2019**, 139, 675-684	4.9	49
73	A review on application of nanofluid in various types of heat pipes. *Journal of Central South University*, **2019**, 26, 1021-1041	2.1	47
72	Providing a model for Csf according to pool boiling convection heat transfer of water/ferrous oxide nanofluid using sensitivity analysis. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 2867-2881	4.5	25
71	Propose a new approach of fuzzy lookup table method to predict Al2O3/deionized water nanofluid thermal conductivity based on achieved empirical data. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 527, 121177	3.3	32

70	Irreversibility Analysis of Hybrid Nanofluid Flow over a Thin Needle with Effects of Energy Dissipation. *Symmetry*, **2019**, 11, 663	2.7	36
69	Heat and fluid flow analysis of metal foam embedded in a double-layered sinusoidal heat sink under local thermal non-equilibrium condition using nanofluid. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 1461-1476	4.1	52
68	Experimental evaluation of dynamic viscosity of ZnO-MWCNTs/engine oil hybrid nanolubricant based on changes in temperature and concentration. *Journal of Thermal Analysis and Calorimetry*, **2019**, 136, 513-525	4.1	106
67	CFD analysis of employing a novel ecofriendly nanofluid in a miniature pin fin heat sink for cooling of electronic components: Effect of different configurations. *Advanced Powder Technology*, **2019**, 30, 2503-2516	4.6	39
66	Convective Bubbly Flow of Water in an Annular Pipe: Role of Total Dissolved Solids on Heat Transfer Characteristics and Bubble Formation. *Water (Switzerland)*, **2019**, 11, 1566	3	18
65	High Quality Syngas Production with Supercritical Biomass Gasification Integrated with a Water Gas Shift Reactor. *Energies*, **2019**, 12, 2591	3.1	14
64	Experimental Investigation on Thermal Performance of a PV/T-PCM (Photovoltaic/Thermal) System Cooling with a PCM and Nanofluid. *Energies*, **2019**, 12, 2572	3.1	91
63	3D interconnected structure of poly(methyl methacrylate) microbeads coated with copper nanoparticles for highly thermal conductive epoxy composites. *Composites Part B: Engineering*, **2019**, 175, 107105	10	20
62	Efficiency assessment of using graphene nanoplatelets-silver/water nanofluids in microchannel heat sinks with different cross-sections for electronics cooling. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 347-372	4.5	68
61	Integral Transform Method to Solve the Problem of Porous Slider without Velocity Slip. *Symmetry*, **2019**, 11, 791	2.7	6
60	A novel comprehensive experimental study concerned graphene oxide nanoparticles dispersed in water: Synthesise, characterisation, thermal conductivity measurement and present a new approach of RLSF neural network. *International Communications in Heat and Mass Transfer*, **2019**, 109, 104333	5.8	50
59	A 3-D numerical simulation of non-Newtonian blood flow through femoral artery bifurcation with a moderate arteriosclerosis: investigating Newtonian/non-Newtonian flow and its effects on elastic vessel walls. *Heat and Mass Transfer*, **2019**, 55, 2037-2047	2.2	24
58	Forced convection in a double tube heat exchanger using nanofluids with constant and variable thermophysical properties. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 3247-3265	4.5	31
57	Numerical investigation of anguilliform locomotion by the SPH method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 328-346	4.5	7
56	Thermal and mechanical design of reverting microchannels for cooling disk-shaped electronic parts using constructal theory. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 245-265	4.5	21
55	A new method of black-box fuzzy system identification optimized by genetic algorithm and its application to predict mixture thermal properties. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 2485-2499	4.5	11
54	Turbulent flows in a spiral double-pipe heat exchanger. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 39-53	4.5	59
53	Effects of magnetic field on micro cross jet injection of dispersed nanoparticles in a microchannel. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 2683-2704	4.5	75

52	Assessment of Iron Oxide (III)Therminol 66 Nanofluid as a Novel Working Fluid in a Convective Radiator Heating System for Buildings. *Energies*, **2019**, 12, 4327	3.1	13
51	Radiation Heat Transfer in a Complex Geometry Containing Anisotropically-Scattering Mie Particles. *Energies*, **2019**, 12, 3986	3.1	4
50	Energetic Analysis of Different Configurations of Power Plants Connected to Liquid Chemical Looping Gasification. *Processes*, **2019**, 7, 763	2.9	11
49	Appraising influence of COOH-MWCNTs on thermal conductivity of antifreeze using curve fitting and neural network. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 514, 36-45	3.3	89
48	Develop 24 dissimilar ANNs by suitable architectures & training algorithms via sensitivity analysis to better statistical presentation: Measure MSEs between targets & ANN for FeCuO/EgWater nanofluid. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 519, 159-168	3.3	92
47	A novel comprehensive experimental study concerned synthesizes and prepare liquid paraffin-Fe3O4 mixture to develop models for both thermal conductivity & viscosity: A new approach of GMDH type of neural network. *International Journal of Heat and Mass Transfer*, **2019**,	4.9	108
46	Investigation of free convection heat transfer and entropy generation of nanofluid flow inside a cavity affected by magnetic field and thermal radiation. *Journal of Thermal Analysis and Calorimetry*, **2019**, 137, 997-1019	4.1	102
45	Investigating the effect of nanoparticles diameter on turbulent flow and heat transfer properties of non-Newtonian carboxymethyl cellulose/CuO fluid in a microtube. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 1699-1723	4.5	56
44	Slip velocity and temperature jump of a non-Newtonian nanofluid, aqueous solution of carboxy-methyl cellulose/aluminum oxide nanoparticles, through a microtube. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 1606-1628	4.5	32
43	Efficacy of a hybrid nanofluid in a new microchannel heat sink equipped with both secondary channels and ribs. *Journal of Molecular Liquids*, **2019**, 273, 88-98	6	159
42	Toluene methylation to para-xylene. *Journal of Thermal Analysis and Calorimetry*, **2019**, 135, 1723-1732	4.1	11
41	The numerical modeling of water/FMWCNT nanofluid flow and heat transfer in a backward-facing contracting channel. *Physica B: Condensed Matter*, **2018**, 537, 176-183	2.8	142
40	Effects of external wind breakers of Heller dry cooling system in power plants. *Applied Thermal Engineering*, **2018**, 129, 1124-1134	5.8	32
39	Develop the lattice Boltzmann method to simulate the slip velocity and temperature domain of buoyancy forces of FMWCNT nanoparticles in water through a micro flow imposed to the specified heat flux. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 509, 729-745	3.3	71
38	Investigation of turbulent heat transfer and nanofluid flow in a double pipe heat exchanger. *Advanced Powder Technology*, **2018**, 29, 273-282	4.6	164
37	Investigation of permeability effect on slip velocity and temperature jump boundary conditions for FMWNT/Water nanofluid flow and heat transfer inside a microchannel filled by a porous media. *Physica E: Low-Dimensional Systems and Nanostructures*, **2018**, 97, 226-238	3	68
36	Effects of Geometry and Hydraulic Characteristics of Shallow Reservoirs on Sediment Entrapment. *Water (Switzerland)*, **2018**, 10, 1725	3	33
35	Effect of horizontal and vertical elliptic baffles inside an enclosure on the mixed convection of a MWCNTs-water nanofluid and its entropy generation. *European Physical Journal Plus*, **2018**, 133, 1	3.1	41

34	Synthesized CuFe2O4/SiO2 nanocomposites added to water/EG: Evaluation of the thermophysical properties beside sensitivity analysis & EANN. *International Journal of Heat and Mass Transfer*, **2018**, 127, 1169-1179	4.9	117
33	Effects on thermophysical properties of carbon based nanofluids: Experimental data, modelling using regression, ANFIS and ANN. *International Journal of Heat and Mass Transfer*, **2018**, 125, 920-932	4.9	128
32	Develop the nano scale method of lattice Boltzmann to predict the fluid flow and heat transfer of air in the inclined lid driven cavity with a large heat source inside, Two case studies: Pure natural convection & mixed convection. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 509, 210-233	3.3	70
31	Experimental investigation on rheological, momentum and heat transfer characteristics of flowing fiber crop suspensions. *International Communications in Heat and Mass Transfer*, **2017**, 80, 60-69	5.8	15
30	Comparison of experimental data, modelling and non-linear regression on transport properties of mineral oil based nanofluids. *Powder Technology*, **2017**, 317, 458-470	5.2	72
29	New temperature, interfacial shell dependent dimensionless model for thermal conductivity of nanofluids. *International Journal of Heat and Mass Transfer*, **2017**, 114, 207-210	4.9	131
28	A modified two-phase mixture model of nanofluid flow and heat transfer in a 3-D curved microtube. *Advanced Powder Technology*, **2016**, 27, 2175-2185	4.6	147
27	Investigation of rib height effect on heat transfer and flow parameters of laminar water/Al_2O_3 nanofluid in a rib-microchannel. *Applied Mathematics and Computation*, **2016**, 290, 135-153	2.7	195
26	Study of synthesis, stability and thermo-physical properties of graphene nanoplatelet/platinum hybrid nanofluid. *International Communications in Heat and Mass Transfer*, **2016**, 77, 15-21	5.8	125
25	Experimental study on the effect of inclination angle on heat transfer enhancement of a ferrofluid in a closed loop oscillating heat pipe under magnetic field. *Experimental Thermal and Fluid Science*, **2016**, 74, 265-270	3	136
24	Heat Transfer and Pressure Drop in Fully Developed Turbulent Flows of Graphene Nanoplatelets–Silver/Water Nanofluids. *Fluids*, **2016**, 1, 20	1.6	69
23	Boundary Layer Flow and Heat Transfer of FMWCNT/Water Nanofluids over a Flat Plate. *Fluids*, **2016**, 1, 31	1.6	45
22	Mathematical Modeling for Nanofluids Simulation: A Review of the Latest Works **2016**,		25
21	A survey on experimental and numerical studies of convection heat transfer of nanofluids inside closed conduits. *Advances in Mechanical Engineering*, **2016**, 8, 168781401667356	1.2	94
20	A survey of using multiple affiliations by scholars in scientific articles. *Scientometrics*, **2016**, 107, 317-318	3	3
19	Investigation of heat transfer performance and friction factor of a counter-flow double-pipe heat exchanger using nitrogen-doped, graphene-based nanofluids. *International Communications in Heat and Mass Transfer*, **2016**, 76, 16-23	5.8	138
18	Viscosity of nanofluids: A review of recent experimental studies. *International Communications in Heat and Mass Transfer*, **2016**, 73, 114-123	5.8	216
17	Particle size and type effects on heat transfer enhancement of Ferro-nanofluids in a pulsating heat pipe. *Powder Technology*, **2016**, 301, 1218-1226	5.2	151

16	Effect of magnetic field on the heat transfer rate of kerosene/Fe2O3 nanofluid in a copper oscillating heat pipe. *Experimental Thermal and Fluid Science*, **2015**, 68, 663-668	3	110
15	Performance investigation of micro- and nano-sized particle erosion in a 90° elbow using an ANFIS model. *Powder Technology*, **2015**, 284, 336-343	5.2	103
14	Investigation of heat transfer and pressure drop of a counter flow corrugated plate heat exchanger using MWCNT based nanofluids. *International Communications in Heat and Mass Transfer*, **2015**, 66, 172-179	5.8	163
13	Forced convective heat transfer of water/functionalized multi-walled carbon nanotube nanofluids in a microchannel with oscillating heat flux and slip boundary condition. *International Communications in Heat and Mass Transfer*, **2015**, 68, 69-77	5.8	125
12	A Hybrid Finite-Element/Finite-Difference Scheme for Solving the 3-D Energy Equation in Transient Nonisothermal Fluid Flow over a Staggered Tube Bank. *Numerical Heat Transfer, Part B: Fundamentals*, **2015**, 68, 169-183	1.3	23
11	Modeling of thermal conductivity of ZnO-EG using experimental data and ANN methods. *International Communications in Heat and Mass Transfer*, **2015**, 63, 35-40	5.8	116
10	Numerical study of entropy generation due to coupled laminar and turbulent mixed convection and thermal radiation in an enclosure filled with a semitransparent medium. *Scientific World Journal, The*, **2014**, 2014, 761745	2.2	71
9	Comparison of the Finite Volume and Lattice Boltzmann Methods for Solving Natural Convection Heat Transfer Problems inside Cavities and Enclosures. *Abstract and Applied Analysis*, **2014**, 2014, 1-15	0.7	59
8	A framework for sentiment analysis on schema-based research content via lexica analysis **2014**,		4
7	Investigation of nanofluid mixed convection in a shallow cavity using a two-phase mixture model. *International Journal of Thermal Sciences*, **2014**, 75, 204-220	4.1	243
6	Numerical modeling of turbulence mixed convection heat transfer in air filled enclosures by finite volume method. *International Journal of Multiphysics*, **2011**, 5, 307-324	0.6	35
5	Numerical study of laminar mixed convection heat transfer of power-law non-Newtonian fluids in square enclosures by finite volume method. *International Journal of Physical Sciences*, **2011**, 6,	0.3	6
4	The effect of microchannel-porous media and nanofluid on temperature and performance of CPV system. *Journal of Thermal Analysis and Calorimetry*,1	4.1	7
3	Marangoni-bioconvectional flow of Reiner Philippoff nanofluid with melting phenomenon and nonuniform heat source/sink in the presence of a swimming microorganisms. *Mathematical Methods in the Applied Sciences*,	2.3	5
2	Natural convection heat transfer of water/Ag nanofluid inside an elliptical enclosure with different attack angles. *Mathematical Methods in the Applied Sciences*,	2.3	12
1	Effect of injection timing and duration on the performance of diesel engine fueled with port injection of oxygenated fuels. *Chemical Engineering Communications*,1-13	2.2	7