

Ghanbar Ali Sheikhzadeh

List of Publications by Citations

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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.

60
papers

1,228
citations

18
h-index

34
g-index

63
ext. papers

1,407
ext. citations

2.8
avg, IF

4.9
L-index

#	Paper	IF	Citations
60	Investigation of turbulent heat transfer and nanofluid flow in a double pipe heat exchanger. <i>Advanced Powder Technology</i> , 2018 , 29, 273-282	4.6	164
59	Turbulent flow and heat transfer of Water/Al ₂ O ₃ nanofluid inside a rectangular ribbed channel. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 96, 73-84	3	99
58	Effects of nanoparticles transport mechanisms on Al ₂ O ₃ /water nanofluid natural convection in a square enclosure. <i>International Journal of Thermal Sciences</i> , 2013 , 66, 51-62	4.1	96
57	3-D numerical investigation of natural convection in a tilted cylindrical annulus containing molten potassium and controlling it using various magnetic fields. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 46, 809-821	0.4	82
56	NUMERICAL SIMULATION OF ELECTRICALLY CONDUCTING FLUID FLOW AND FREE CONVECTIVE HEAT TRANSFER IN AN ANNULUS ON APPLYING A MAGNETIC FIELD. <i>Heat Transfer Research</i> , 2014 , 45, 749-766	3.9	82
55	Multi-objective optimization of natural convection in a cylindrical annulus mold under magnetic field using particle swarm algorithm. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 60, 13-20	5.8	79
54	Natural convection of Cu/water nanofluid in a cavity with partially active side walls. <i>European Journal of Mechanics, B/Fluids</i> , 2011 , 30, 166-176	2.4	78
53	Numerical study of magnetic field on mixed convection and entropy generation of nanofluid in a trapezoidal enclosure. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 403, 133-145	2.8	56
52	Effect of horizontal and vertical elliptic baffles inside an enclosure on the mixed convection of a MWCNTs-water nanofluid and its entropy generation. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	41
51	Effect of a Magnetic Field on Buoyancy-Driven Convection in Differentially Heated Square Cavity. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 407-411	2	29
50	Cooling Enhancement and Stress Reduction Optimization of Disk-Shaped Electronic Components Using Nanofluids. <i>Symmetry</i> , 2020 , 12, 931	2.7	23
49	Numerical study of air flow and heat transfer in a two-dimensional enclosure with floor heating. <i>Energy and Buildings</i> , 2014 , 78, 98-104	7	23
48	Numerical Study of Natural Convection in a Differentially-Heated Rectangular Cavity Filled with TiO ₂ -Water Nanofluid. <i>Journal of Nano Research</i> , 2011 , 13, 75-80	1	22
47	Optimization of micro-finned tubes in double pipe heat exchangers using particle swarm algorithm. <i>Applied Thermal Engineering</i> , 2017 , 119, 1-9	5.8	21
46	Numerical study of mixed convection flows in a lid-driven enclosure filled with nanofluid using variable properties. <i>Results in Physics</i> , 2012 , 2, 5-13	3.7	21
45	Effect of a porous medium on flow and mixed convection heat transfer of nanofluids with variable properties in a trapezoidal enclosure. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 741-754	4.1	21
44	Numerical simulation of double-diffusive mixed convection in an enclosure filled with nanofluid using Bejan's heatlines and masslines. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1287-1300	6.1	20

43	Introduce a novel configuration of microchannel and high-conductivity inserts for cooling of disc-shaped electronic components. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2845-2859	4.5	19
42	A numerical study of the effect of the magnetic field on turbulent fluid flow, heat transfer and entropy generation of hybrid nanofluid in a trapezoidal enclosure. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	18
41	Mixed convection in a rotating eccentric annulus containing nanofluid using bi-orthogonal grid types: A finite volume simulation. <i>Journal of Molecular Liquids</i> , 2017 , 227, 114-126	6	17
40	Laboratory and CFD investigations of the two-phase flow behavior in flotation columns equipped with vertical baffle. <i>International Journal of Mineral Processing</i> , 2017 , 166, 79-88		17
39	Laminar natural convection of Cu-water nanofluid in concentric annuli with radial fins attached to the inner cylinder. <i>Heat and Mass Transfer</i> , 2013 , 49, 391-403	2.2	17
38	Measurement of the dynamic viscosity of hybrid engine oil -CuO-MWCNT nanofluid, development of a practical viscosity correlation and utilizing the artificial neural network. <i>Heat and Mass Transfer</i> , 2018 , 54, 151-161	2.2	16
37	Numerical study of natural convection and entropy generation of Cu-water nanofluid around an obstacle in a cavity. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 3347-3356	1.6	15
36	Fabrication and characterization of microencapsulated PA with SiO ₂ shell through sol-gel synthesis via sodium silicate precursor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9990-9997	2.1	13
35	Investigation of the effect of air turbulence intensity on NO _x emission in non-premixed hydrogen and hydrogen-hydrocarbon composite fuel combustion. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10159-10168	6.7	13
34	Numerical study of steady magneto-convection around an adiabatic body inside a square enclosure in low Prandtl numbers. <i>Heat and Mass Transfer</i> , 2011 , 47, 27-34	2.2	11
33	Numerical investigation of turbulent forced-convective heat transfer of Al ₂ O ₃ /water nanofluid with variable properties in tube. <i>Ain Shams Engineering Journal</i> , 2015 , 6, 577-585	4.4	10
32	Effects of walls temperature variation on double diffusive natural convection of Al ₂ O ₃ /water nanofluid in an enclosure. <i>Heat and Mass Transfer</i> , 2013 , 49, 1689-1700	2.2	10
31	The effect of mineral micro particle in coating on energy consumption reduction and thermal comfort in a room with a radiation cooling panel in different climates. <i>Energy and Buildings</i> , 2014 , 82, 644-650	7	9
30	Aspect ratio effects of an adiabatic rectangular obstacle on natural convection and entropy generation of a nanofluid in an enclosure. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 3495-3504	1.6	9
29	Providing thermal comfort and saving energy inside the buildings using a ceiling fan in heating systems. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 4219-4230	2	9
28	Study on Radiation Properties of Polyurethane/Nano Zirconium Oxide Nanocomposite Coatings. <i>Materials Science Forum</i> , 2017 , 894, 109-112	0.4	8
27	Heat transfer enhancement in a microchannel using a pulsating MHD hybrid nanofluid flow. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-16	1.6	8
26	Preparation of SrTiO ₃ -microencapsulated palmitic acid by means of a sol-gel approach as thermal energy storage materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 794-800	2.1	7

25	Effect of ultrasonic peening technology on the thermal fatigue of rolling mill rolls. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 2499-2513	3.2	5
24	Analytical study of parameters affecting entropy generation of nanofluid turbulent flow in channel and micro-channel. <i>Thermal Science</i> , 2016 , 20, 2037-2050	1.2	5
23	Effect of a Magnetic Field on Mixed Convection of a Nanofluid in a Square Cavity. <i>Journal of Magnetism</i> , 2013 , 18, 321-325	1.9	5
22	Experimental Study of the Thermal Properties of Microencapsulated Palmitic Acid Composites with CuCO ₃ Shell as Thermal Energy Storage Materials. <i>ChemistrySelect</i> , 2019 , 4, 6501-6505	1.8	4
21	Evaluation of the thermal properties of SrCO ₃ -microencapsulated palmitic acid composites as thermal energy storage materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 2123-2130	4.1	4
20	Wings shape effect on behavior of hybrid nanofluid inside a channel having vortex generator. <i>Heat and Mass Transfer</i> , 2019 , 55, 1969-1983	2.2	4
19	The Effect of Magnetic Field on Buoyancy-Driven Convection in a Differentially Heated Square Cavity With Two Insulated Baffles Attached to Its Isothermal Walls 2008 ,		3
18	Computational modelling of the unsaturated flow of liquid in heap leaching, using the results of column tests to calibrate the model. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2004 , 218, 277-289	1.5	3
17	The effect of oxidant flow rate on a coaxial oxy-fuel flame. <i>Heat and Mass Transfer</i> , 2012 , 48, 1615-1626	2.2	2
16	EFFECTS OF RADIAL FINS ON THE LAMINAR NATURAL CONVECTION OF A NANOFLUID IN CONCENTRIC ANNULI. <i>Computational Thermal Sciences</i> , 2012 , 4, 151-158	1.9	2
15	Analytical study of Al ₂ O ₃ -Cu/water micropolar hybrid nanofluid in a porous channel with expanding/contracting walls in the presence of magnetic field. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	2
14	Brownian models effect on turbulent fluid flow and heat transfer and entropy generation of water/boehmite alumina nanofluid inside enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2305-2327	4.5	1
13	The Effect of Air Preheating on a Sudden-Expansion Turbulent Diffusion Air-fuel Flame. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 2801-2808		1
12	Effect of Magnetic Field on Transient Natural Convection Heat Transfer. <i>IEEE Transactions on Magnetism</i> , 2009 , 45, 2788-2790	2	1
11	Effect of geometry on magneto-convection in a square enclosure filled with a low Prandtl number fluid. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2011 , 225, 53-61	1.5	1
10	Numerical Study of Natural Convection in a Partitioned Cavity 2008 ,		1
9	On the micro-scale battery cooling with a sinusoidal hybrid nanofluid flow. <i>Journal of Energy Storage</i> , 2022 , 46, 103819	7.8	1
8	Effect of a Shield on Mixed Convection in a Rectangular Enclosure with Moving Cold Sidewalls and a Heat Source on the Bottom Wall. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 584-589	0.7	0

7	Heat insulation effect in solar radiation of polyurethane powder coating nanocomposite. <i>Scientific Reports</i> , 2021 , 11, 20665	4.9	○
6	Study of flow uniformity within convergent microchannels with a circular manifold. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021 , 43, 1	2	○
5	Numerical investigation of NOx reduction in a sudden-expansion combustor with inclined turbulent air jet. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 3723-3731	1.6	
4	Numerical Simulation of Natural Convection in a Mold. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 456-461	1.7	
3	Numerical Study of Magnetic Field Effects on Buoyancy Driven Convection in a Non-Isothermally Heated Square Enclosure. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 536-541	0.7	
2	Heat Transfer Enhancement Using Cu-Water Nanofluid in an Enclosure with Moving Cold Sidewalls. <i>Defect and Diffusion Forum</i> , 2012 , 326-328, 440-445	0.7	
1	A Numerical Study of Natural Convection in a Cavity With Two Fins Attached to Its Vertical Walls 2007 , 453		