

# Mohsen Izadi

## 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.

66 papers	2,740 citations	35 h-index	51 g-index
70 ext. papers	3,561 ext. citations	4.2 avg, IF	6.42 L-index

#	Paper	IF	Citations
66	MHD Laminar Boundary Layer Flow of Radiative Fe-Casson Nanofluid: Stability Analysis of Dual Solutions. <i>Chinese Journal of Physics</i> , <b>2022</b> , 76, 172-186	3.5	4
65	Numerical study on charging performance of multi-enclosed thermal storage: Multiple versus integrated thermal storage. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 33, 101954	5.6	1
64	Melting process modeling of Carreau non-Newtonian phase change material in dual porous vertical concentric cylinders. <i>Thermal Science</i> , <b>2021</b> , 25, 4283-4293	1.2	0
63	Influence of fin orientation on the natural convection of aqueous-based nano-encapsulated PCMs in a heat exchanger equipped with wing-like fins. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 160, 108287	3.7	16
62	Cancer in Iran 2008 to 2025: Recent incidence trends and short-term predictions of the future burden. <i>International Journal of Cancer</i> , <b>2021</b> , 149, 594-605	7.5	3
61	3D Numerical Study of Conical and Fusiform Turbulators for Heat Transfer Improvement in a Double-Pipe Heat Exchanger. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 170, 120995	4.9	8
60	Combined natural convection-FSI inside a circular enclosure divided by a movable barrier. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 126, 105426	5.8	3
59	Numerical Modeling of an Integrable and Tunable Plasmonic Pressure Sensor with Nanostructure Grating. <i>Plasmonics</i> , <b>2021</b> , 16, 27-36	2.4	7
58	Natural heat exchange in inhomogeneous porous medium using linear and quadratic porosity distribution. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 161, 106731	4.1	6
57	Use of nanofluids in solar energy systems <b>2021</b> , 221-250		8
56	Rheological features of non-Newtonian nanofluids flows induced by stretchable rotating disk. <i>Physica Scripta</i> , <b>2021</b> , 96, 035210	2.6	14
55	State-of-the-art review of nanofluids in solar collectors: A review based on the type of the dispersed nanoparticles. <i>Journal of Cleaner Production</i> , <b>2021</b> , 310, 127528	10.3	36
54	Numerical analysis of porous flat plate solar collector under thermal radiation and hybrid nanoparticles using two-phase model. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101404	4.7	9
53	A comprehensive review on the application of hybrid nanofluids in solar energy collectors. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101341	4.7	18
52	Location impact of a pair of magnetic sources on melting of a magneto-Ferro phase change substance. <i>Chinese Journal of Physics</i> , <b>2020</b> , 65, 377-388	3.5	23
51	Effects of porous material on transient natural convection heat transfer of nano-fluids inside a triangular chamber. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 28, 1203-1213	3.2	34
50	Numerical study on natural convection of Ag/MgO hybrid/water nanofluid inside a porous enclosure: A local thermal non-equilibrium model. <i>Powder Technology</i> , <b>2020</b> , 367, 443-455	5.2	92

49	Numerical simulation of thermogravitational energy transport of a hybrid nanoliquid within a porous triangular chamber using the two-phase mixture approach. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 2493-2504	4.6	38
48	Natural convection of a hybrid nanofluid affected by an inclined periodic magnetic field within a porous medium. <i>Chinese Journal of Physics</i> , <b>2020</b> , 65, 447-458	3.5	60
47	Heat transfer and fluid flow for tube included a porous media: Assessment and Multi-Objective Optimization Using Particle Swarm Optimization (PSO) Algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 545, 123804	3.3	11
46	Melting behavior of phase change materials in the presence of a non-uniform magnetic-field due to two variable magnetic sources. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 149, 119184	4.9	30
45	Free convection in a trapezoidal enclosure divided by a flexible partition. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 149, 119186	4.9	19
44	MHD thermogravitational convection and thermal radiation of a micropolar nanoliquid in a porous chamber. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 110, 104409	5.8	67
43	Investigation of thermal-hydro dynamical behavior on nano-encapsulated PCM suspension: Effect of fin position, fractioning and aspect ratio. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 157, 108122	3.7	10
42	Thermal performance and effectiveness of a dual-porous domestic heat exchanger for building heating application. <i>Renewable Energy</i> , <b>2020</b> , 162, 1874-1889	8.1	1
41	Thermal Transport of Hybrid Liquid over Thin Needle with Heat Sink/Source and Darcy-Erlichson Porous Medium Aspects. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 9569-9578	3.5	23
40	Inclined Lorentz force impact on convective-radiative heat exchange of micropolar nanofluid inside a porous enclosure with tilted elliptical heater. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 117, 104762	5.8	28
39	Hydrodynamic and heat transfer properties of magnetic fluid in porous medium considering nanoparticle shapes and magnetic field-dependent viscosity. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 28, 329-339	3.2	33
38	Numerical study of mixed bio-convection associated with a micropolar fluid. <i>Thermal Science and Engineering Progress</i> , <b>2020</b> , 18, 100539	3.6	15
37	Cancer incidence in Iran in 2014: Results of the Iranian National Population-based Cancer Registry. <i>Cancer Epidemiology</i> , <b>2019</b> , 61, 50-58	2.8	45
36	Examining of nanofluid natural convection heat transfer in a Eshaped enclosure including a rectangular hot obstacle using the lattice Boltzmann method. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 526, 120831	3.3	39
35	Natural convection of multi-walled carbon nanotube-Fe <sub>3</sub> O <sub>4</sub> /water magnetic hybrid nanofluid flowing in porous medium considering the impacts of magnetic field-dependent viscosity. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1541-1555	4.1	51
34	Natural convection of a hybrid nanofluid subjected to non-uniform magnetic field within porous medium including circular heater. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 1211-1231	4.5	45
33	Pore-scale simulation of non-Newtonian power-law fluid flow and forced convection in partially porous media: Thermal lattice Boltzmann method. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 525, 642-656	3.3	52
32	Natural convection of hybrid nanofluids inside a partitioned porous cavity for application in solar power plants. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 137, 1719-1733	4.1	42

31	Conjugate natural convection of nanofluids inside an enclosure filled by three layers of solid, porous medium and free nanofluid using Buongiorno's and local thermal non-equilibrium models. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 1047-1067	4.1	57
30	Effect of MWCNT-Fe <sub>3</sub> O <sub>4</sub> /water hybrid nanofluid on the thermal performance of ribbed channel with apart sections of heating and cooling. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 3029-3042	4.1	63
29	LTNE modeling of Magneto-Ferro natural convection inside a porous enclosure exposed to nonuniform magnetic field. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 535, 122394	3.3	49
28	Coupled FHD-MHD free convection of a hybrid nanofluid in an inversed T-shaped enclosure occupied by partitioned porous media. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2019</b> , 76, 479-498	2.3	63
27	Free Convection of Hybrid Nanofluids in a C-Shaped Chamber under Variable Heat Flux and Magnetic Field: Simulation, Sensitivity Analysis, and Artificial Neural Networks. <i>Energies</i> , <b>2019</b> , 12, 2807	3.1	10
26	Thermogravitational convection of magnetic micropolar nanofluid with coupling between energy and angular momentum equations. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 145, 118748	4.9	45
25	Natural convection heat transfer of nanofluid inside a cavity containing rough elements using lattice Boltzmann method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 3659-3684	4.5	10
24	Natural convection of magnetic hybrid nanofluid inside a double-porous medium using two-equation energy model. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 277, 959-970	6	91
23	Investigation of MHD natural convection in a porous media by double MRT lattice Boltzmann method utilizing MWCNT-Fe <sub>3</sub> O <sub>4</sub> /water hybrid nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 132, 1087-1104	4.9	88
22	Mixed convection of a nanofluid in a three-dimensional channel. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 2461-2475	4.1	40
21	Natural convection of a magnetizable hybrid nanofluid inside a porous enclosure subjected to two variable magnetic fields. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 151, 154-169	5.5	94
20	Experimental study on inlet turbulent flow under ultrasonic vibration: Pressure drop and heat transfer enhancement. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 51, 151-159	8.9	28
19	The simultaneous effects of nanoparticles and ultrasonic vibration on inlet turbulent flow: An experimental study. <i>Applied Thermal Engineering</i> , <b>2019</b> , 146, 268-277	5.8	44
18	Nanoparticle migration and natural convection heat transfer of Cu-water nanofluid inside a porous undulant-wall enclosure using LTNE and two-phase model. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 261, 357-372	3.6	65
17	Effect of geometrical parameters on natural convection in a porous undulant-wall enclosure saturated by a nanofluid using Buongiorno's model. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 255, 148-159	6	46
16	Numerical simulation of natural convection heat transfer inside a + shaped cavity filled by a MWCNT-Fe <sub>3</sub> O <sub>4</sub> /water hybrid nanofluids using LBM. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2018</b> , 125, 56-66	3.7	134
15	Natural convection and entropy generation of a ferrofluid in a square enclosure under the effect of a horizontal periodic magnetic field. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 263, 510-525	6	90
14	Natural convection of a nanofluid between two eccentric cylinders saturated by porous material: Buongiorno's two phase model. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 67-75	4.9	47

13	Analysis of conjugate natural convection within a porous square enclosure occupied with micropolar nanofluid using local thermal non-equilibrium model. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 250, 353-368	6	54
12	Forced convection of nanofluids in an extended surfaces channel using lattice Boltzmann method. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 117, 1291-1303	4.9	96
11	MHD natural convection and entropy analysis of a nanofluid inside T-shaped baffled enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2018</b> , 28, 2916-2941	4.5	47
10	Effects of cavity and heat source aspect ratios on natural convection of a nanofluid in a C-shaped cavity using Lattice Boltzmann method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2018</b> , 28, 1930-1955	4.5	44
9	Natural convection of CuO-water micropolar nanofluids inside a porous enclosure using local thermal non-equilibrium condition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 88, 89-103	5.3	59
8	Heat source location and natural convection in a C-shaped enclosure saturated by a nanofluid. <i>Physics of Fluids</i> , <b>2017</b> , 29, 122009	4.4	110
7	Effects of Inclination Angle on Mixed Convection Heat Transfer of a Nanofluid in a Square Cavity. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2015</b> , 16, 11-21	0.7	34
6	Effects of Inclination Angle on Laminar Mixed Convection of a Nanofluid Flowing through an Annulus. <i>Chemical Engineering Communications</i> , <b>2015</b> , 202, 1693-1702	2.2	39
5	Cooling performance of a nanofluid flow in a heat sink microchannel with axial conduction effect. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 1821-1833	2.6	37
4	Effects of discrete source-sink arrangements on mixed convection in a square cavity filled by nanofluid. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 12-19	2.8	34
3	NUMERICAL STUDY OF DEVELOPED LAMINAR MIXED CONVECTION OF Al <sub>2</sub> O <sub>3</sub> /WATER NANOFLUID IN AN ANNULUS. <i>Chemical Engineering Communications</i> , <b>2013</b> , 200, 878-894	2.2	32
2	Richardson Number Ratio Effect on Laminar Mixed Convection of a Nanofluid Flow in an Annulus. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2013</b> , 14, 304-316	0.7	35
1	Numerical study of developing laminar forced convection of a nanofluid in an annulus. <i>International Journal of Thermal Sciences</i> , <b>2009</b> , 48, 2119-2129	4.1	160