

## 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.

87 papers	1,591 citations	21 h-index	36 g-index
89 ext. papers	1,924 ext. citations	3.9 avg, IF	5.5 L-index

#	Paper	IF	Citations
87	Convective heat transfer characteristics of magnetite nanofluid under the influence of constant and alternating magnetic field. <i>Powder Technology</i> , <b>2015</b> , 274, 258-267	5.2	92
86	Energy, exergy and exergoeconomic (3E) analyses and multi-objective optimization of a solar and geothermal based integrated energy system. <i>Applied Thermal Engineering</i> , <b>2018</b> , 143, 1011-1022	5.8	90
85	Experimental investigation on convective heat transfer and hydrodynamic characteristics of magnetite nanofluid under the influence of an alternating magnetic field. <i>International Journal of Thermal Sciences</i> , <b>2016</b> , 99, 113-124	4.1	84
84	Effect of an alternating nonuniform magnetic field on ferrofluid flow and heat transfer in a channel. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 362, 80-89	2.8	75
83	A novel hybrid thermal management for Li-ion batteries using phase change materials embedded in copper foams combined with forced-air convection. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 141, 47-61	4.1	72
82	Experimental and numerical investigation of heat transfer in a miniature heat sink utilizing silica nanofluid. <i>Superlattices and Microstructures</i> , <b>2012</b> , 51, 247-264	2.8	72
81	Enhanced power generation through integrated renewable energy plants: Solar chimney and waste-to-energy. <i>Energy Conversion and Management</i> , <b>2018</b> , 166, 48-63	10.6	55
80	A comprehensive feasibility study of applying solar energy to design a zero energy building for a typical home in Tehran. <i>Energy and Buildings</i> , <b>2014</b> , 72, 329-339	7	52
79	The thermal efficiency improvement of a steam Rankine cycle by innovative design of a hybrid cooling tower and a solar chimney concept. <i>Renewable Energy</i> , <b>2013</b> , 51, 465-473	8.1	48
78	Experimental investigation on thermal conductivity of water based nickel ferrite nanofluids. <i>Advanced Powder Technology</i> , <b>2015</b> , 26, 1529-1536	4.6	46
77	Experimental investigation on thermal conductivity of $MFe_2O_4$ ( $M = Fe$ and $Co$ ) magnetic nanofluids under influence of magnetic field. <i>Thermochimica Acta</i> , <b>2014</b> , 598, 59-67	2.9	43
76	Multi-criteria optimization and comparative performance analysis of a power plant fed by municipal solid waste using a gasifier or digester. <i>Energy Conversion and Management</i> , <b>2018</b> , 171, 863-878	10.6	42
75	Lithium-ion battery thermal management system with $Al_2O_3/AgO/CuO$ nanofluids and phase change material. <i>Applied Thermal Engineering</i> , <b>2020</b> , 180, 115840	5.8	42
74	Electricity production with low grade heat in thermal power plants by design improvement of a hybrid dry cooling tower and a solar chimney concept. <i>Energy Conversion and Management</i> , <b>2015</b> , 94, 1-11	10.6	41
73	Thermal Conductivity of $(\mathrm{Fe}_2\mathrm{O}_3)$ and $(\mathrm{Fe}_3\mathrm{O}_4)$ Magnetic Nanofluids Under the Influence of Magnetic Field. <i>International Journal of Thermophysics</i> , <b>2015</b> , 36, 2720-2739	2.1	40
72	Development of hybrid cooling method with PCM and $Al_2O_3$ nanofluid in aluminium minichannels using heat source model of Li-ion batteries. <i>Applied Thermal Engineering</i> , <b>2020</b> , 178, 115543	5.8	37
71	Hybrid thermal management of lithium-ion batteries using nanofluid, metal foam, and phase change material: an integrated numerical-experimental approach. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 1703-1715	4.1	34

70	Study of heat transfer enhancement in a nanofluid-cooled miniature heat sink. <i>International Communications in Heat and Mass Transfer</i> , <b>2012</b> , 39, 877-884	5.8	34
69	Effect of magnetic field on the forced convection heat transfer and pressure drop of a magnetic nanofluid in a miniature heat sink. <i>Heat and Mass Transfer</i> , <b>2015</b> , 51, 953-964	2.2	32
68	Thermo-economic optimization of low-grade waste heat recovery in Yazd combined-cycle power plant (Iran) by a CO <sub>2</sub> transcritical Rankine cycle. <i>Energy</i> , <b>2015</b> , 86, 74-84	7.9	32
67	Experimental and Numerical Study of Mixed and Natural Convection in an Enclosure With a Discrete Heat Source and Ventilation Ports. <i>Heat Transfer Engineering</i> , <b>2014</b> , 35, 63-73	1.7	23
66	Experimental investigation on heat transfer of MgO nanofluid in tubes partially filled with metal foam. <i>Powder Technology</i> , <b>2019</b> , 354, 734-742	5.2	19
65	Experimental investigation on temperature field and heat transfer distribution of a slot burner methane/air flame impinging on a curved surface. <i>Applied Thermal Engineering</i> , <b>2018</b> , 129, 761-771	5.8	19
64	EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER IN A NOVEL HEAT SINK BY MEANS OF ALUMINA NANOFLUIDS. <i>Heat Transfer Research</i> , <b>2012</b> , 43, 709-720	3.9	19
63	Heat transfer characteristics of laminar slot jet arrays impinging on a constant target surface temperature. <i>Applied Thermal Engineering</i> , <b>2015</b> , 76, 252-260	5.8	17
62	Thermal and hydrodynamic performances of MHD ferrofluid flow inside a porous channel. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 90, 1-13	3	16
61	Hydrodynamics and Heat Transfer Characteristics of a Miniature Plate Pin-Fin Heat Sink Utilizing Al <sub>2</sub> O <sub>3</sub> /Water and TiO <sub>2</sub> /Water Nanofluids. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2015</b> , 7,	1.9	15
60	Experimental and Numerical Investigation on Free Convection From a Horizontal Cylinder Located Above an Adiabatic Surface. <i>Heat Transfer Engineering</i> , <b>2012</b> , 33, 213-224	1.7	15
59	Dynamic feasibility assessment and 3E analysis of a smart building energy system integrated with hybrid photovoltaic-thermal panels and energy storage. <i>Sustainable Energy Technologies and Assessments</i> , <b>2020</b> , 42, 100835	4.7	15
58	Experimental Measurement of Laminar Burning Velocity and Flammability Limits of Landfill Gas at Atmospheric and Elevated Pressures. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 3196-3205	4.1	14
57	Experimental investigation of heat transfer and pressure drop of alumina/water nano-fluid in a porous miniature heat sink. <i>Experimental Heat Transfer</i> , <b>2018</b> , 31, 495-512	2.4	14
56	Heat Transfer and Hydrodynamic Performance Analysis of a Miniature Tangential Heat Sink Using Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O and TiO <sub>2</sub> /H <sub>2</sub> O Nanofluids. <i>Experimental Heat Transfer</i> , <b>2016</b> , 29, 536-560	2.4	14
55	Continuous power generation through a novel solar/geothermal chimney system: Technical/cost analyses and multi-objective particle swarm optimization. <i>Journal of Cleaner Production</i> , <b>2021</b> , 283, 124666	10.3	14
54	Experimental Investigation of Thermal Conductivity and Viscosity of SiO <sub>2</sub> /Multiwalled Carbon Nanotube Hybrid Nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 3398-3407	1.3	13
53	Experimental investigation on heat transfer and hydrodynamic behavior of magnetite nanofluid flow in a channel with recognition of the best models for transport properties. <i>Experimental Thermal and Fluid Science</i> , <b>2015</b> , 68, 582-592	3	13

52	Investigation on trajectories and capture of magnetic drug carrier nanoparticles after injection into a direct vessel. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 497, 166065	2.8	12
51	A novel numerical approach for investigation of the gas bubble characteristics in stagnant liquid using Young-Laplace equation. <i>Chemical Engineering Science</i> , <b>2017</b> , 173, 37-48	4.4	11
50	Experimental and Numerical Investigation of the Laminar Burning Velocity and Combustion Characteristics of Biogas at High Pressures. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 14169-14179	4.1	10
49	Slot jet impingement cooling of a concave surface in an annulus. <i>Experimental Thermal and Fluid Science</i> , <b>2015</b> , 68, 300-309	3	10
48	Neuro-Fuzzy Modeling of the Free Convection from Vertical Arrays of Isothermal Cylinders. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2013</b> , 27, 588-592	1.3	10
47	Study of mixed convection characteristics of confined planar jet impingement using the direct temperature gradient interferometric method. <i>International Journal of Thermal Sciences</i> , <b>2013</b> , 71, 205-215	4.1	10
46	The influence of SiO <sub>2</sub> nanoparticles on cavitation initiation and intensity in a centrifugal water pump. <i>Experimental Thermal and Fluid Science</i> , <b>2014</b> , 55, 71-76	3	9
45	Combustion of Syngas in Intersecting Burners Using the Interferometry Method. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 10121-10132	4.1	9
44	Experimental investigation on thermo-physical properties and heat transfer characteristics of green synthesized highly stable CoFe <sub>2</sub> O <sub>4</sub> /rGO nanofluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 610, 125923	5.1	9
43	Thermo-economic analysis of transcritical CO <sub>2</sub> cycles with bounded and unbounded reheats in low-temperature heat recovery applications. <i>Energy</i> , <b>2017</b> , 133, 676-690	7.9	8
42	Experimental investigation on premixed flame of H <sub>2</sub> /CO in a slot burner using the Mach-Zehnder interferometry. <i>Optics and Laser Technology</i> , <b>2019</b> , 115, 140-148	4.2	8
41	Effect of orifice shape on bubble formation mechanism. <i>Meccanica</i> , <b>2018</b> , 53, 2461-2483	2.1	8
40	Experimental and numerical study on heat transfer characteristics of various geometrical arrangement of impinging jet arrays. <i>International Journal of Thermal Sciences</i> , <b>2016</b> , 102, 26-38	4.1	8
39	Effect of SiO <sub>2</sub> nanoparticle size on initiation and intensity of bubble formation in a water pump. <i>Experimental Thermal and Fluid Science</i> , <b>2016</b> , 72, 40-46	3	8
38	A Numerical Study on Natural Convection Heat Transfer From a Horizontal Isothermal Cylinder Located Underneath an Adiabatic Ceiling. <i>Heat Transfer Engineering</i> , <b>2014</b> , 35, 953-962	1.7	8
37	An investigation on effect of geometrical parameters on spray cone angle and droplet size distribution of a two-fluid atomizer. <i>Journal of Mechanical Science and Technology</i> , <b>2011</b> , 25, 3047-3052	1.6	8
36	Effect of flow conditions on spray cone angle of a two-fluid atomizer. <i>Journal of Mechanical Science and Technology</i> , <b>2011</b> , 25, 365-369	1.6	8
35	Study of Electrohydrodynamic Micropumping Through Conduction Phenomenon. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 2224-2234	4.3	7

34	Novel hybrid thermal management for Li-ion batteries with nanofluid cooling in the presence of alternating magnetic field: An experimental study. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101539 <sup>5.6</sup>	7
33	Effect of different frequency functions on ferrofluid FHD flow. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 480, 112-131	2.8 7
32	4E analysis and tri-objective optimization of a triple-pressure combined cycle power plant with combustion chamber steam injection to control NOx emission. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 1317-1333	4.1 7
31	Experimental investigation on the effect of nanofluid on the thermal performance of symmetric sintered U shaped heat pipe. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 1255-1264	2.2 6
30	Combined experimental-numerical investigation on the structure of methane/landfill gas flame using PIV. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 94, 23-33	3 6
29	Thermal energy absorption in a heat sink with elliptical cross section and tangential impinging inlet flow of nanofluid. <i>Experimental Thermal and Fluid Science</i> , <b>2017</b> , 89, 50-61	3 6
28	Mixed convection cooling of a heated circular cylinder by laminar upward-directed slot jet impingement. <i>Heat and Mass Transfer</i> , <b>2009</b> , 46, 225-236	2.2 6
27	Experimental investigation on heat transfer characteristics of partially premixed round methane-air impinging flame jet using Mach-Zehnder interferometry. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 137, 601-615	4.1 6
26	On-demand heat transfer augmentation using magnetically triggered ferrofluid containing eco-friendly treated CoFe <sub>2</sub> O <sub>4</sub> /rGO. <i>Powder Technology</i> , <b>2021</b> , 378, 468-486	5.2 6
25	An experimental and numerical study on the combustion and flame characteristics of hydrogen in intersecting slot burners. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 3034-3049	6.7 5
24	Analytical Investigation of the Effect of Viscous Dissipation on Couette Flow in a Channel Partially Filled with a Porous Medium. <i>Transport in Porous Media</i> , <b>2011</b> , 89, 1-13	3.1 5
23	Effect of flow diverters on free convection heat transfer from a pair of vertical arrays of isothermal cylinders. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 1398-1408	3 5
22	Experimental studies on the viscosity of Fe nanoparticles dispersed in ethylene glycol and water mixture. <i>Thermal Science</i> , <b>2016</b> , 20, 1661-1670	1.2 5
21	Experimental investigations on the flame structure and temperature field of landfill gas in impinging slot burners. <i>Energy</i> , <b>2019</b> , 170, 507-520	7.9 5
20	Experimental design for estimation of the distribution of the convective heat transfer coefficient for a bubbly impinging jet. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 439-456	4.1 5
19	Experimental Investigation of Heat Transfer Coefficient from the Impingement of a Slot Jet Using Conjugate Gradient Method with Adjoint Equation. <i>Experimental Heat Transfer</i> , <b>2016</b> , 29, 657-672	2.4 4
18	Enhancement of Free Convection Heat Transfer from a Vertical Array of Isothermal Cylinders by Flow Diverters. <i>Heat Transfer Engineering</i> , <b>2009</b> , 30, 197-206	1.7 4
17	SiO <sub>2</sub> nanofluid planar jet impingement cooling on a convex heated plate. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 2735-2746	2.2 4

16	Dynamic measurement of ferrofluid thermal conductivity under an external magnetic field. <i>Heat and Mass Transfer</i> , <b>2019</b> , 55, 1583-1592	2.2	4
15	Temperature field investigation of hydrogen/air and syngas/air axisymmetric laminar flames using Mach-Zehnder interferometry. <i>Applied Optics</i> , <b>2018</b> , 57, 5057-5067	1.7	3
14	Experimental investigation of natural convection in an enclosure with partial partitions at different angles. <i>Thermal Science</i> , <b>2014</b> , 18, 1133-1144	1.2	3
13	Experimental investigation of the effects of passivated aluminum nanoparticles on butane flame structure. <i>Experimental Thermal and Fluid Science</i> , <b>2019</b> , 100, 33-48	3	2
12	Slot jet impingement heat transfer from an isothermal circular cylinder <b>2008</b> ,		2
11	Development of an Electrohydrodynamic conduction micropump using PCB/LCP MEMS technology <b>2008</b> ,		2
10	PDA and Neural Network Investigation of Swirl Spray Interaction Phenomena. <i>Particle and Particle Systems Characterization</i> , <b>2005</b> , 22, 192-206	3.1	2
9	Design, dynamic simulation, and optimal size selection of a hybrid solar/wind and battery-based system for off-grid energy supply. <i>Renewable Energy</i> , <b>2022</b> , 187, 1082-1099	8.1	2
8	Numerical investigation of temperature increment effect on bubble dynamics in stagnant water and Al <sub>2</sub> O <sub>3</sub> nanofluid column. <i>Particulate Science and Technology</i> , <b>2019</b> , 37, 292-302	2	2
7	Characterization of thermal field in mixed-convection cooling of a flat plate by an impinging slot jet <b>2010</b> ,		1
6	Experimental study of a laminar premixed LFG/air flame in a slot burner using Mach-Zehnder interferometry. <i>Thermal Science</i> , <b>2016</b> , 20, 1649-1660	1.2	1
5	Thermal and Fluid-Flow Characteristics of Silver-Water Nanofluid in a Metal-Foam Filled Channel. <i>Heat Transfer Engineering</i> , <b>2020</b> , 1-19	1.7	1
4	Different nanofluids effect on bubble characteristics at the isothermal bubble column. <i>Canadian Journal of Chemical Engineering</i> ,	2.3	1
3	Investigating the effect of wearing glasses on the human eyes temperature distribution in different ambient conditions. <i>Journal of Thermal Biology</i> , <b>2021</b> , 99, 102971	2.9	1
2	Investigating the effect of injection rate on the capture efficiency of nanoparticles in different geometries of stenosed vessel. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 544, 168665	2.8	0
1	Liquid-Liquid Coaxial Swirl Injector Performance Prediction Using General Regression Neural Network. <i>Particle and Particle Systems Characterization</i> , <b>2008</b> , 25, 454-464	3.1	