

# Ali Abdollahi

## List of Publications by Year in descending order

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56  
papers

2,000  
citations

185998

28  
h-index

253896

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1525  
citing authors

#	ARTICLE	IF	CITATIONS
1	The investigation of thermal radiation and free convection heat transfer mechanisms of nanofluid inside a shallow cavity by lattice Boltzmann method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 515-535.	1.2	156
2	Numerical investigation of heat transfer in a power-law non-Newtonian fluid in a C-Shaped cavity with magnetic field effect using finite difference lattice Boltzmann method. <i>Computers and Fluids</i> , 2018, 176, 51-67.	1.3	132
3	A novel nonlinear regression model of SVR as a substitute for ANN to predict conductivity of MWCNT-CuO/water hybrid nanofluid based on empirical data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 521, 89-97.	1.2	124
4	A new correlation for estimating the thermal conductivity and dynamic viscosity of CuO/liquid paraffin nanofluid using neural network method. <i>International Communications in Heat and Mass Transfer</i> , 2018, 92, 90-99.	2.9	105
5	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2623-2631.	2.0	97
6	Experimental analysis of magnetic field effect on the pool boiling heat transfer of a ferrofluid. <i>Applied Thermal Engineering</i> , 2017, 111, 1101-1110.	3.0	91
7	Turbulent flows in a spiral double-pipe heat exchanger. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 39-53.	1.6	79
8	Preparation of stable TiO <sub>2</sub> -Graphene/Water hybrid nanofluids and development of a new correlation for thermal conductivity. <i>Powder Technology</i> , 2021, 385, 466-477.	2.1	76
9	Investigation of the effect of magnetic field on mass transfer parameters of CO <sub>2</sub> absorption using Fe <sub>3</sub> O <sub>4</sub> water nanofluid. <i>AIChE Journal</i> , 2017, 63, 2176-2186.	1.8	62
10	An experimental study on deposited surfaces due to nanofluid pool boiling: Comparison between rough and smooth surfaces. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 288-300.	1.5	59
11	Experimental study of temperature and mass fraction effects on thermal conductivity and dynamic viscosity of SiO <sub>2</sub> -oleic acid/liquid paraffin nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104436.	2.9	59
12	Experimental study to obtain the viscosity of CuO-loaded nanofluid: effects of nanoparticles' mass fraction, temperature and basefluid's types to develop a correlation. <i>Meccanica</i> , 2018, 53, 3739-3757.	1.2	55
13	Effect of different surfactants on the pool boiling heat transfer of SiO <sub>2</sub> /deionized water nanofluid on a copper surface. <i>International Journal of Thermal Sciences</i> , 2019, 145, 105977.	2.6	55
14	Experimental investigation toward obtaining nanoparticles' surficial interaction with basefluid components based on measuring thermal conductivity of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2019, 103, 72-82.	2.9	54
15	Experimental investigation toward obtaining the effect of interfacial solid-liquid interaction and basefluid type on the thermal conductivity of CuO-loaded nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2018, 97, 151-162.	2.9	53
16	Experimental study of the optimum size of silica nanoparticles on the pool boiling heat transfer coefficient of silicon oxide/deionized water nanofluid. <i>Powder Technology</i> , 2019, 345, 728-738.	2.1	47
17	Experimental study of the effect of various surfactants on surface sediment and pool boiling heat transfer coefficient of silica/DI water nano-fluid. <i>Powder Technology</i> , 2019, 356, 391-402.	2.1	43
18	Experimental investigation toward obtaining a new correlation for viscosity of WO <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> nanoparticles-loaded nanofluid within aqueous and non-aqueous basefluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 713-728.	2.0	41

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19	EVALUATION OF PLANT ESSENTIAL OILS FOR CONTROL OF POSTHARVEST BROWN AND GRAY MOLD ROTS ON APRICOT. <i>Journal of Food Safety</i> , 2012, 32, 94-101.	1.1	38
20	Effect of concentration and sedimentation on boiling heat transfer coefficient of GNPs-SiO <sub>2</sub> /deionized water hybrid Nanofluid: An experimental investigation. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105141.	2.9	37
21	Providing a model for $C_{sf}$ according to pool boiling convection heat transfer of water/ferrous oxide nanofluid using sensitivity analysis. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 2867-2881.	1.6	36
22	Analysis of the effect of roughness and concentration of Fe <sub>3</sub> O <sub>4</sub> /water nanofluid on the boiling heat transfer using the artificial neural network: An experimental and numerical study. <i>International Journal of Thermal Sciences</i> , 2021, 163, 106863.	2.6	36
23	Propose a new approach of fuzzy lookup table method to predict Al <sub>2</sub> O <sub>3</sub> /deionized water nanofluid thermal conductivity based on achieved empirical data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121177.	1.2	35
24	Experimental investigation on the boiling heat transfer of nanofluids on a flat plate in the presence of a magnetic field. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	34
25	Amelioration of pool boiling thermal performance in case of using a new hybrid nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100872.	2.8	34
26	Lattice Boltzmann method to simulate convection heat transfer in a microchannel under heat flux. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 3371-3398.	1.6	32
27	Effects of surfactant on thermal conductivity of aqueous silica nanofluids. <i>Journal of Molecular Liquids</i> , 2021, 327, 114883.	2.3	31
28	Influence of magnetic field on boiling heat transfer coefficient of a magnetic nanofluid consisting of cobalt oxide and deionized water in nucleate regime: An experimental study. <i>International Journal of Heat and Mass Transfer</i> , 2021, 165, 120669.	2.5	30
29	SCREENING OF ANTIFUNGAL PROPERTIES OF ESSENTIAL OILS EXTRACTED FROM SWEET BASIL, FENNEL, SUMMER SAVORY AND THYME AGAINST POSTHARVEST PHYTOPATHOGENIC FUNGI. <i>Journal of Food Safety</i> , 2011, 31, 350-356.	1.1	24
30	Evaluation of essential oils for maintaining postharvest quality of Thompson seedless table grape. <i>Natural Product Research</i> , 2012, 26, 77-83.	1.0	22
31	Nonlinear function estimation fuzzy system (NFEFS) as a novel statistical approach to estimate nanofluids' thermal conductivity according to empirical data. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 3267-3281.	1.6	19
32	Effects of different magnetic fields on the boiling heat transfer coefficient of the NiO/deionized water nanofluid, an experimental investigation. <i>Powder Technology</i> , 2020, 376, 398-409.	2.1	18
33	Neonatal sepsis in Iran: A systematic review and meta-analysis on national prevalence and causative pathogens. <i>PLoS ONE</i> , 2020, 15, e0227570.	1.1	16
34	Application of Knudsen Thermal Force for Detection of CO <sub>2</sub> in Low-Pressure Micro Gas Sensor. <i>Fluid Dynamics</i> , 2018, 53, 812-823.	0.2	15
35	A new method of black-box fuzzy system identification optimized by genetic algorithm and its application to predict mixture thermal properties. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 2485-2499.	1.6	14
36	IMPROVING POSTHARVEST QUALITY OF TABLE GRAPE CV. 'RISH BABA' USING 'THYMUS KOTSCHYANUS' AND 'CARUM COPTICUM' ESSENTIAL OILS. <i>Journal of Food Safety</i> , 2011, 31, 132-139.	1.1	12

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37	Toxoplasma gondii infection/exposure and the risk of brain tumors: A systematic review and meta-analysis. <i>Cancer Epidemiology</i> , 2022, 77, 102119.	0.8	12
38	Sustainable Supply Chain Management Practices in Petrochemical Industry Using Interpretive Structural Modeling. <i>International Journal of Information Systems and Supply Chain Management</i> , 2019, 12, 22-50.	0.6	10
39	Comparison of Cytotoxic Activity of L778123 as a Farnesyltransferase Inhibitor and Doxorubicin against A549 and HT-29 Cell Lines. <i>Advanced Pharmaceutical Bulletin</i> , 2013, 3, 73-7.	0.6	10
40	The effect of sedimentation phenomenon of the additives silver nano particles on water pool boiling heat transfer coefficient: A comprehensive experimental study. <i>Journal of Molecular Liquids</i> , 2022, 345, 117891.	2.3	10
41	Assessment of the Preservative Activity of Some Essential Oils to Reduce Postharvest Fungal Rot on Kiwifruits ( <i>Actinidia deliciosa</i> ). <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2011, 14, 175-184.	0.7	9
42	Determination of Organothiophosphate Insecticides in Environmental Water Samples by a Very Simple and Sensitive Spectrofluorimetric Method. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 536-541.	1.3	9
43	Locally weighted moving regression: A non-parametric method for modeling nanofluid features of dynamic viscosity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 124124.	1.2	8
44	The Potential of Thyme, Clove, Cinnamon and Ajowan Essential Oils in Inhibiting the Growth of <i>Botrytis cinerea</i> and <i>Monilinia fructicola</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2012, 15, 38-47.	0.7	7
45	Dispersive liquid-liquid microextraction for the high performance liquid chromatographic determination of aldehydes in cigarette smoke and injectable formulations. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 390-396.	6.5	7
46	An experimental study on airborne particles dispersion in a residential room heated by radiator and floor heating systems. <i>Journal of Building Engineering</i> , 2020, 32, 101677.	1.6	7
47	Evaluation of thermal conductivity of deionized water containing SDS-coated NiO nanoparticles under the influences of constant and alternative varied magnetic fields. <i>Powder Technology</i> , 2020, 367, 143-156.	2.1	7
48	Energetic thermo-physical analysis of MLP-RBF feed-forward neural network compared with RLS Fuzzy to predict CuO/liquid paraffin mixture properties. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 764-779.	1.5	7
49	DETERMINATION OF TRIAMTERENE IN HUMAN PLASMA AND URINE AFTER ITS CLOUD POINT EXTRACTION. <i>Quimica Nova</i> , 2014, , .	0.3	5
50	Evaluating the Impact of Information Technology on Knowledge Management Performance with Balance Scorecard Approach. <i>International Journal of Knowledge-Based Organizations</i> , 2017, 7, 27-42.	0.3	5
51	Producing ZrO <sub>2</sub> /LP107160 NF and presenting a correlation for prediction of thermal conductivity via GMDH method: An empirical and numerical investigation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 127, 114511.	1.3	4
52	Human Toxocariasis in individuals with blood disorders and cancer patients: the first seroepidemiological study in Iran. <i>Journal of Parasitic Diseases</i> , 2021, 45, 643-650.	0.4	3
53	Molecular Characterization of Tigecycline Non-Susceptibility among Extensively Drug-Resistant <i>Acinetobacter baumannii</i> Isolates of Clinical Origin. <i>Chemotherapy</i> , 2021, 66, 99-106.	0.8	3
54	Toxocariasis-associated urinary system diseases: a systematic review of reported cases. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2022, 116, 668-672.	0.7	3

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55	The effect of <i>Salvia officinalis</i> on blood glycaemic indexes and blood lipid profile in diabetic patients: a systematic review and meta-analysis. <i>Journal of Complementary and Integrative Medicine</i> , 2022, .	0.4	3
56	Designing a hypersonic filter on a nanophononic crystal platform. , 2014, , .		0