

# Mohammad Yaghoubi

## List of Publications by Year in descending order

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72  
papers

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citations

567281

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526287

27  
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74  
docs citations

74  
times ranked

871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inspiratory leakage flow fraction for surgical masks with varying gaps and filter materials. <i>Physics of Fluids</i> , 2022, 34, .	4.0	14
2	Olfactory Drug Aerosol Delivery with Acoustic Radiation. <i>Biomedicines</i> , 2022, 10, 1347.	3.2	4
3	Parameter study of the grid spacer position on subcooled boiling in an upward vertical tube at low pressures. <i>Journal of Radiation Research and Applied Sciences</i> , 2022, 15, 125-132.	1.2	0
4	Optimal design of microphone array in a planar circular configuration by genetic algorithm enhanced beamforming. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1817-1825.	3.6	6
5	Analysis and numerical modeling of subcooled boiling in energy systems in vertical porous channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1715-1725.	3.6	2
6	Active and passive control of a galloping cylinder with heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1827-1835.	3.6	1
7	Active Control of Submerged Systems by Moving Mass. <i>Acoustics</i> , 2021, 3, 42-57.	1.4	1
8	Nonlinear vibration analysis of functionally graded GPL-RC conical panels resting on elastic medium. <i>Thin-Walled Structures</i> , 2021, 160, 107370.	5.3	10
9	Micromechanical modeling over two length-scales for elastic properties of graphene nanoplatelet/graphite fiber/polyimide composites. <i>Materials Chemistry and Physics</i> , 2021, 262, 124255.	4.0	10
10	Akbariâ€œGanji Method for Solving Equations of Eulerâ€œBernoulli Beam with Quintic Nonlinearity. <i>Acoustics</i> , 2021, 3, 337-353.	1.4	2
11	Use of Nanoparticle Enhanced Phase Change Material for Cooling of Surface Acoustic Wave Sensor. <i>Fluids</i> , 2021, 6, 31.	1.7	8
12	Feasibility Study of Cooling a Bulk Acoustic Wave Resonator by Nanoparticle Enhanced Phase Change Material. <i>Magnetochemistry</i> , 2021, 7, 144.	2.4	1
13	Recycling municipal solid waste utilizing gasification technology: a case study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2705-2718.	3.6	16
14	Optimal design of vibrating beam behind a cylinder. <i>Ocean Engineering</i> , 2020, 195, 106759.	4.3	6
15	Maximum Obtainable Energy Harvesting Power from Galloping-Based Piezoelectrics. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	1.1	5
16	Lattice Boltzmann Simulation of Ferrofluids Film Boiling. <i>Processes</i> , 2020, 8, 881.	2.8	2
17	Using Committee Neural Network for Prediction of Pressure Drop in Two-Phase Microchannels. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5384.	2.5	14
18	Numerical simulation of magnetic nanofluid (MNF) film boiling on cylindrical heated magnet using phase field method. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119546.	4.8	16

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19	Numerical Simulation of Micromixing of Particles and Fluids with Galloping Cylinder. <i>Symmetry</i> , 2020, 12, 580.	2.2	3
20	Frequency analysis and control of sloshing coupled by elastic walls and foundation with smoothed particle hydrodynamics method. <i>Journal of Sound and Vibration</i> , 2020, 476, 115310.	3.9	12
21	Electromagnetohydrodynamic two-phase flow-induced vibrations in vertical heated upward flow. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 92-104.	3.1	10
22	Magnetohydrodynamic and Nanoparticle Effects in Vertical Annular Subcooled Flow Boiling. <i>Symmetry</i> , 2019, 11, 810.	2.2	3
23	Magnetic Field Effects on Chemical Reaction of Power-Law Fluid over an Axisymmetric Stretched Sheet. <i>Magnetochemistry</i> , 2019, 5, 57.	2.4	1
24	A 3D Simulation of Single-Channel High-Temperature Polymer Exchange Membrane Fuel Cell Performances. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3633.	2.5	9
25	Thermal lattice Boltzmann simulation of natural convection in a multi-pipe sinusoidal-wall cavity filled with Al <sub>2</sub> O <sub>3</sub> -EG nanofluid. <i>Powder Technology</i> , 2019, 356, 240-252.	4.2	5
26	Effect of Tip Mass Length Ratio on Low Amplitude Galloping Piezoelectric Energy Harvesting. <i>Acoustics</i> , 2019, 1, 763-793.	1.4	4
27	Optimal Design of Isothermal Sloshing Vessels by Entropy Generation Minimization Method. <i>Mathematics</i> , 2019, 7, 380.	2.2	7
28	Optimization of operating parameters of a polymer exchange membrane electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6403-6414.	7.1	95
29	LBM simulation of piezo fan in square enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 401-426.	2.8	11
30	Modeling of Subcooled Flow Boiling with Nanoparticles under the Influence of a Magnetic Field. <i>Symmetry</i> , 2019, 11, 1275.	2.2	26
31	Effects of Nanoparticle Enhanced Lubricant Films in Thermal Design of Plain Journal Bearings at High Reynolds Numbers. <i>Symmetry</i> , 2019, 11, 1353.	2.2	25
32	Analytical Solution of Sloshing in a Cylindrical Tank with an Elastic Cover. <i>Mathematics</i> , 2019, 7, 1070.	2.2	13
33	A smoothed particle hydrodynamics approach for numerical simulation of nano-fluid flows. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1733-1741.	3.6	111
34	Dynamic modeling of a galloping structure equipped with piezoelectric wafers and energy harvesting. <i>Noise Control Engineering Journal</i> , 2019, 67, 142-154.	0.3	5
35	Optimal Design of Nanoparticle Enhanced Phan-Thien-Tanner Flow of a Viscoelastic Fluid in a Microchannel. <i>Entropy</i> , 2018, 20, 895.	2.2	0
36	An Improvement of Port-Hamiltonian Model of Fluid Sloshing Coupled by Structure Motion. <i>Water (Switzerland)</i> , 2018, 10, 1721.	2.7	8

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37	Modeling and analysis of biomagnetic blood Carreau fluid flow through a stenosis artery with magnetic heat transfer: A transient study. PLoS ONE, 2018, 13, e0192138.	2.5	35
38	Optimal Design of Circular Baffles on Sloshing in a Rectangular Tank Horizontally Coupled by Structure. Water (Switzerland), 2018, 10, 1504.	2.7	11
39	Positive Position Feedback Control of a Galloping Structure. Acoustics, 2018, 1, 47-58.	1.4	11
40	EMHD EFFECTS ON SUBCOOLED BOILING IN A VERTICAL ANNULUS. Multiphase Science and Technology, 2018, 30, 333-349.	0.5	5
41	Impedance Spectroscopy Study and System Identification of a Solid-Oxide Fuel Cell Stack With Hammersteinâ€“Wiener Model. Journal of Electrochemical Energy Conversion and Storage, 2017, 14, .	2.1	5
42	Effect of injection angle, density ratio, and viscosity on droplet formation in a microfluidic T-junction. Theoretical and Applied Mechanics Letters, 2017, 7, 243-251.	2.8	50
43	Numerical Study of the Magnetic Field Effects on the Heat Transfer and Entropy Generation Aspects of a Power Law Fluid over an Axisymmetric Stretching Plate Structure. Entropy, 2017, 19, 94.	2.2	7
44	Optimal Design of Thermal Radiative Heating of Horizontal Thin Plates Using the Entropy Generation Minimization Method. Energies, 2017, 10, 1921.	3.1	2
45	Entropy Generation in Thermal Radiative Loading of Structures with Distinct Heaters. Entropy, 2017, 19, 506.	2.2	22
46	Numerical Simulation of Williamson Combined Natural and Forced Convective Fluid Flow between Parallel Vertical Walls with Slip Effects and Radiative Heat Transfer in a Porous Medium. Entropy, 2016, 18, 147.	2.2	15
47	Numerical Investigation of Thermal Radiation and Viscous Effects on Entropy Generation in Forced Convection Blood Flow over an Axisymmetric Stretching Sheet. Entropy, 2016, 18, 203.	2.2	3
48	Electromagnetohydrodynamic Effects on Steam Bubble Formation in Vertical Heated Upward Flow. Energies, 2016, 9, 657.	3.1	5
49	Thermal radiation effects on the onset of unsteadiness of fluid flow in vertical microchannel filled with highly absorbing medium. Thermal Science, 2016, 20, 1585-1596.	1.1	6
50	Thermal radiation effects on creep behavior of the turbine blade. Multidiscipline Modeling in Materials and Structures, 2016, 12, 291-314.	1.3	6
51	Effects of thermal boundary conditions on the joule heating of electrolyte in a microchannel. Journal of Hydrodynamics, 2016, 28, 850-862.	3.2	2
52	A three-dimensional lattice Boltzmann model for numerical investigation of bubble growth in pool boiling. International Communications in Heat and Mass Transfer, 2016, 79, 58-66.	5.6	64
53	Numerical analysis of natural convection of magnetohydrodynamic flow in vertical micro-channel with rarefaction effects and radiative heat transfer. Advances in Mechanical Engineering, 2016, 8, 168781401664266.	1.6	0
54	Effect of temperature dependent properties on thermal radiative loading of planar surfaces with distinct heaters. Journal of the Nigerian Mathematical Society, 2016, 35, 159-177.	0.1	2

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55	Numerical Investigation of Oxygenated and Deoxygenated Blood Flow through a Tapered Stenosed Arteries in Magnetic Field. PLoS ONE, 2016, 11, e0167393.	2.5	3
56	OPTIMAL DESIGN OF CYLINDRICAL PBX BY THE ENTRANSY DISSIPATION EXTREMUM PRINCIPLE. International Journal of Energetic Materials and Chemical Propulsion, 2016, 15, 65-88.	0.3	2
57	Effects of Brownian motion on freezing of PCM containing nanoparticles. Thermal Science, 2016, 20, 1533-1541.	1.1	12
58	Numerical Simulation of Interaction of a Current with a Circular Cylinder near a Rigid Bed. Journal of Applied Mathematics and Physics, 2016, 04, 398-411.	0.4	3
59	Joule heating in low-voltage electroosmotic with electrolyte containing nano-bubble mixtures through microchannel rectangular orifice. Chemical Engineering Research and Design, 2015, 102, 407-415.	5.6	15
60	Optimal Design of Magnetohydrodynamic Mixed Convection Flow in a Vertical Channel with Slip Boundary Conditions and Thermal Radiation Effects by Using an Entropy Generation Minimization Method. Entropy, 2015, 17, 866-881.	2.2	20
61	A new and efficient mechanism for spark ignition engines. Energy Conversion and Management, 2015, 96, 418-429.	9.2	33
62	Numerical Investigation of Thermal Radiation Effects on Electrochemical Impedance Spectroscopy of a Solid Oxide Fuel Cell Anodes. Materials Performance and Characterization, 2015, 4, 1-28.	0.3	3
63	EFFECTS OF MICRO- AND MACRO-SCALE VISCOUS DISSIPATIONS WITH HEAT GENERATION AND LOCAL THERMAL NON-EQUILIBRIUM ON THERMAL DEVELOPING FORCED CONVECTION IN SATURATED POROUS MEDIA. Journal of Porous Media, 2015, 18, 843-860.	1.9	8
64	Experimental investigation of thermal loading of a horizontal thin plate using infrared camera. Journal of King Saud University, Engineering Sciences, 2014, 26, 159-167.	2.0	15
65	Analytical study of magnetohydrodynamic propulsion stability. Journal of Marine Science and Application, 2014, 13, 281-290.	1.7	13
66	The Frequency Response of a Cavitating Hydrofoil. Noise and Vibration Worldwide, 2014, 45, 21-28.	1.0	5
67	Thermal Radiation, Joule Heating, and Viscous Dissipation Effects on MHD Forced Convection Flow with Uniform Surface Temperature. Open Journal of Fluid Dynamics, 2014, 04, 125-132.	0.5	23
68	Electrochemical and Exergetic Modeling of a Combined Heat and Power System Using Tubular Solid Oxide Fuel Cell and Mini Gas Turbine. Journal of Fuel Cell Science and Technology, 2013, 10, .	0.8	8
69	Numerical investigation of thermal radiation effects on open cavity with discrete heat sources. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 649-661.	2.8	21
70	Two-dimensional simulation of thermal loading with horizontal heat sources. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 1302-1308.	2.1	14
71	Flow Analysis of Non-Newtonian Blood in a Magnetohydrodynamic Pump. IEEE Transactions on Magnetics, 2009, 45, 2667-2670.	2.1	33
72	ENTROPY GENERATION IN BOUNDARY LAYER FLOW OF A MICRO POLAR FLUID OVER A STRETCHING SHEET EMBEDDED IN A HIGHLY ABSORBING MEDIUM. Frontiers in Heat and Mass Transfer, 0, 6, .	0.2	6