

Mohammad Yaghoubi

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Optimization of operating parameters of a polymer exchange membrane electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6403-6414.	7.1	95
3	A three-dimensional lattice Boltzmann model for numerical investigation of bubble growth in pool boiling. <i>International Communications in Heat and Mass Transfer</i> , 2016, 79, 58-66.	5.6	64
4	Effect of injection angle, density ratio, and viscosity on droplet formation in a microfluidic T-junction. <i>Theoretical and Applied Mechanics Letters</i> , 2017, 7, 243-251.	2.8	50
5	Modeling and analysis of biomagnetic blood Carreau fluid flow through a stenosis artery with magnetic heat transfer: A transient study. <i>PLoS ONE</i> , 2018, 13, e0192138.	2.5	35
6	Flow Analysis of Non-Newtonian Blood in a Magnetohydrodynamic Pump. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2667-2670.	2.1	33
7	A new and efficient mechanism for spark ignition engines. <i>Energy Conversion and Management</i> , 2015, 96, 418-429.	9.2	33
8	Modeling of Subcooled Flow Boiling with Nanoparticles under the Influence of a Magnetic Field. <i>Symmetry</i> , 2019, 11, 1275.	2.2	26
9	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
10	Thermal Radiation, Joule Heating, and Viscous Dissipation Effects on MHD Forced Convection Flow with Uniform Surface Temperature. <i>Open Journal of Fluid Dynamics</i> , 2014, 04, 125-132.	0.5	23
11	Entropy Generation in Thermal Radiative Loading of Structures with Distinct Heaters. <i>Entropy</i> , 2017, 19, 506.	2.2	22
12	Numerical investigation of thermal radiation effects on open cavity with discrete heat sources. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 649-661.	2.8	21
13	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. <i>Entropy</i> , 2015, 17, 866-881.	2.2	20
14	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
15	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
16	Experimental investigation of thermal loading of a horizontal thin plate using infrared camera. <i>Journal of King Saud University, Engineering Sciences</i> , 2014, 26, 159-167.	2.0	15
17	Joule heating in low-voltage electroosmotic with electrolyte containing nano-bubble mixtures through microchannel rectangular orifice. <i>Chemical Engineering Research and Design</i> , 2015, 102, 407-415.	5.6	15
18	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. <i>Entropy</i> , 2016, 18, 147.	2.2	15

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19	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
20	Using Committee Neural Network for Prediction of Pressure Drop in Two-Phase Microchannels. Applied Sciences (Switzerland), 2020, 10, 5384.	2.5	14
21	Inspiratory leakage flow fraction for surgical masks with varying gaps and filter materials. Physics of Fluids, 2022, 34, .	4.0	14
22	Analytical study of magnetohydrodynamic propulsion stability. Journal of Marine Science and Application, 2014, 13, 281-290.	1.7	13
23	Analytical Solution of Sloshing in a Cylindrical Tank with an Elastic Cover. Mathematics, 2019, 7, 1070.	2.2	13
24	Frequency analysis and control of sloshing coupled by elastic walls and foundation with smoothed particle hydrodynamics method. Journal of Sound and Vibration, 2020, 476, 115310.	3.9	12
25	Effects of Brownian motion on freezing of PCM containing nanoparticles. Thermal Science, 2016, 20, 1533-1541.	1.1	12
26	Optimal Design of Circular Baffles on Sloshing in a Rectangular Tank Horizontally Coupled by Structure. Water (Switzerland), 2018, 10, 1504.	2.7	11
27	Positive Position Feedback Control of a Galloping Structure. Acoustics, 2018, 1, 47-58.	1.4	11
28	LBM simulation of piezo fan in square enclosure. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 401-426.	2.8	11
29	Electromagnetohydrodynamic two-phase flow-induced vibrations in vertical heated upward flow. Journal of Computational Design and Engineering, 2019, 6, 92-104.	3.1	10
30	Nonlinear vibration analysis of functionally graded GPL-RC conical panels resting on elastic medium. Thin-Walled Structures, 2021, 160, 107370.	5.3	10
31	Micromechanical modeling over two length-scales for elastic properties of graphene nanoplatelet/graphite fiber/polyimide composites. Materials Chemistry and Physics, 2021, 262, 124255.	4.0	10
32	A 3D Simulation of Single-Channel High-Temperature Polymer Exchange Membrane Fuel Cell Performances. Applied Sciences (Switzerland), 2019, 9, 3633.	2.5	9
33	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
34	An Improvement of Port-Hamiltonian Model of Fluid Sloshing Coupled by Structure Motion. Water (Switzerland), 2018, 10, 1721.	2.7	8
35	Use of Nanoparticle Enhanced Phase Change Material for Cooling of Surface Acoustic Wave Sensor. Fluids, 2021, 6, 31.	1.7	8
36	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

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37	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. <i>Entropy</i> , 2017, 19, 94.	2.2	7
38	Optimal Design of Isothermal Sloshing Vessels by Entropy Generation Minimization Method. <i>Mathematics</i> , 2019, 7, 380.	2.2	7
39	Thermal radiation effects on the onset of unsteadiness of fluid flow in vertical microchannel filled with highly absorbing medium. <i>Thermal Science</i> , 2016, 20, 1585-1596.	1.1	6
40	Thermal radiation effects on creep behavior of the turbine blade. <i>Multidiscipline Modeling in Materials and Structures</i> , 2016, 12, 291-314.	1.3	6
41	Optimal design of vibrating beam behind a cylinder. <i>Ocean Engineering</i> , 2020, 195, 106759.	4.3	6
42	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
43	ENTROPY GENERATION IN BOUNDARY LAYER FLOW OF A MICRO POLAR FLUID OVER A STRETCHING SHEET EMBEDDED IN A HIGHLY ABSORBING MEDIUM. <i>Frontiers in Heat and Mass Transfer</i> , 0, 6, .	0.2	6
44	The Frequency Response of a Cavitating Hydrofoil. <i>Noise and Vibration Worldwide</i> , 2014, 45, 21-28.	1.0	5
45	Electromagnetohydrodynamic Effects on Steam Bubble Formation in Vertical Heated Upward Flow. <i>Energies</i> , 2016, 9, 657.	3.1	5
46	Impedance Spectroscopy Study and System Identification of a Solid-Oxide Fuel Cell Stack With Hammersteinâ€Wiener Model. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2017, 14, .	2.1	5
47	Thermal lattice Boltzmann simulation of natural convection in a multi-pipe sinusoidal-wall cavity filled with Al ₂ O ₃ -EG nanofluid. <i>Powder Technology</i> , 2019, 356, 240-252.	4.2	5
48	Maximum Obtainable Energy Harvesting Power from Galloping-Based Piezoelectrics. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	1.1	5
49	EMHD EFFECTS ON SUBCOOLED BOILING IN A VERTICAL ANNULUS. <i>Multiphase Science and Technology</i> , 2018, 30, 333-349.	0.5	5
50	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
51	Effect of Tip Mass Length Ratio on Low Amplitude Galloping Piezoelectric Energy Harvesting. <i>Acoustics</i> , 2019, 1, 763-793.	1.4	4
52	Olfactory Drug Aerosol Delivery with Acoustic Radiation. <i>Biomedicines</i> , 2022, 10, 1347.	3.2	4
53	Numerical Investigation of Thermal Radiation and Viscous Effects on Entropy Generation in Forced Convection Blood Flow over an Axisymmetric Stretching Sheet. <i>Entropy</i> , 2016, 18, 203.	2.2	3
54	Magnetohydrodynamic and Nanoparticle Effects in Vertical Annular Subcooled Flow Boiling. <i>Symmetry</i> , 2019, 11, 810.	2.2	3

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55	Numerical Simulation of Micromixing of Particles and Fluids with Galloping Cylinder. <i>Symmetry</i> , 2020, 12, 580.	2.2	3
56	Numerical Investigation of Oxygenated and Deoxygenated Blood Flow through a Tapered Stenosed Arteries in Magnetic Field. <i>PLoS ONE</i> , 2016, 11, e0167393.	2.5	3
57	Numerical Investigation of Thermal Radiation Effects on Electrochemical Impedance Spectroscopy of a Solid Oxide Fuel Cell Anodes. <i>Materials Performance and Characterization</i> , 2015, 4, 1-28.	0.3	3
58	Numerical Simulation of Interaction of a Current with a Circular Cylinder near a Rigid Bed. <i>Journal of Applied Mathematics and Physics</i> , 2016, 04, 398-411.	0.4	3
59	Effects of thermal boundary conditions on the joule heating of electrolyte in a microchannel. <i>Journal of Hydrodynamics</i> , 2016, 28, 850-862.	3.2	2
60	Effect of temperature dependent properties on thermal radiative loading of planar surfaces with distinct heaters. <i>Journal of the Nigerian Mathematical Society</i> , 2016, 35, 159-177.	0.1	2
61	Optimal Design of Thermal Radiative Heating of Horizontal Thin Plates Using the Entropy Generation Minimization Method. <i>Energies</i> , 2017, 10, 1921.	3.1	2
62	Lattice Boltzmann Simulation of Ferrofluids Film Boiling. <i>Processes</i> , 2020, 8, 881.	2.8	2
63	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
64	Akbariâ€™Ganji Method for Solving Equations of Eulerâ€™Bernoulli Beam with Quintic Nonlinearity. <i>Acoustics</i> , 2021, 3, 337-353.	1.4	2
65	OPTIMAL DESIGN OF CYLINDRICAL PBX BY THE ENTRANSY DISSIPATION EXTREMUM PRINCIPLE. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2016, 15, 65-88.	0.3	2
66	Magnetic Field Effects on Chemical Reaction of Power-Law Fluid over an Axisymmetric Stretched Sheet. <i>Magnetochemistry</i> , 2019, 5, 57.	2.4	1
67	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
68	Active Control of Submerged Systems by Moving Mass. <i>Acoustics</i> , 2021, 3, 42-57.	1.4	1
69	Feasibility Study of Cooling a Bulk Acoustic Wave Resonator by Nanoparticle Enhanced Phase Change Material. <i>Magnetochemistry</i> , 2021, 7, 144.	2.4	1
70	Numerical analysis of natural convection of magnetohydrodynamic flow in vertical micro-channel with rarefaction effects and radiative heat transfer. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401664266.	1.6	0
71	Optimal Design of Nanoparticle Enhanced Phan-Thienâ€™Tanner Flow of a Viscoelastic Fluid in a Microchannel. <i>Entropy</i> , 2018, 20, 895.	2.2	0
72	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