

Iraj Mirzaee

List of Publications by Year in descending order

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papers

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1040056

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26
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docs citations

26
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the operating pressure and GDL geometrical configuration effect on PEM fuel cell performance. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2311-2325.	1.6	31
2	Thermal behavior and entropy generation rate analysis of a viscous flow in MHD micropumps. Journal of Mechanical Science and Technology, 2012, 26, 1949-1955.	1.5	20
3	Performance improvement of proton exchange membrane fuel cells through different gas injection channel geometries. International Journal of Energy Research, 2022, 46, 8781-8792.	4.5	19
4	Three-dimensional numerical analysis of proton exchange membrane fuel cell. Journal of Mechanical Science and Technology, 2011, 25, 2665-2673.	1.5	14
5	Numerical analysis of heat transfer enhancement with the use of $\hat{\text{Al}}_2\text{O}_3$ /water nanofluid and longitudinal ribs in a curved duct. Thermal Science, 2012, 16, 469-480.	1.1	14
6	The effect of position-dependent magnetic field on nanofluid forced convective heat transfer and entropy generation in a microchannel. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 345-355.	1.6	14
7	NUMERICAL INVESTIGATION OF THE EFFECT OF INLET GASES HUMIDITY ON POLYMER EXCHANGE MEMBRANE FUEL CELL (PEMFC) PERFORMANCE.. Transactions of the Canadian Society for Mechanical Engineering, 2013, 37, 1-20.	0.8	12
8	A computational study of a three-dimensional proton exchange membrane fuel cell (PEMFC) with conventional and deflected membrane electrode assembly. Journal of Mechanical Science and Technology, 2012, 26, 2959-2968.	1.5	11
9	Design of water distribution networks using accelerated momentum particle swarm optimisation technique. Journal of Experimental and Theoretical Artificial Intelligence, 2014, 26, 459-475.	2.8	10
10	Numerical study of mixed convection heat transfer in lid-driven cavity utilizing nanofluid: Effect of type and model of nanofluid. Thermal Science, 2015, 19, 1575-1590.	1.1	10
11	Effects of shear-dependent transport properties on lumen surface concentration of LDL particles in stenosed carotid artery. Meccanica, 2015, 50, 1733-1746.	2.0	9
12	Numerical comparison of viscosity models on mixed convection in double lid-driven cavity utilized CuO-water nanofluid. Thermal Science, 2016, 20, 347-358.	1.1	9
13	Numerical Investigation of Local Entropy Generation for Laminar Flow in Rotating-Disk Systems. Journal of Heat Transfer, 2010, 132, .	2.1	8
14	Numerical Study on Heat Transfer Enhancement and Friction Factor of LS-2 Parabolic Solar Collector. Journal of Thermal Science and Engineering Applications, 2014, 6, .	1.5	8
15	Adaptive Mutated Momentum Shuffled Frog Leaping Algorithm for Design of Water Distribution Networks. Arabian Journal for Science and Engineering, 2014, 39, 7717-7727.	1.1	4
16	Two new designs of parabolic solar collectors. Thermal Science, 2014, 18, 323-334.	1.1	4
17	Modelling of gas transport in proton exchange membrane fuel cells. Proceedings of Institution of Civil Engineers: Energy, 2017, 170, 163-179.	0.6	4
18	Al_2O_3 /water nano-fluid forced convective flow in a rectangular curved micro-channel: first and second law analysis, single-phase and multi-phase approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2307-2318.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Numerical Simulation Coupled With MCRT Method to Study the Effect of Plug Diameter and Its Position on Outlet Temperature and the Efficiency of LS-2 Parabolic Trough Collector. Journal of Solar Energy Engineering, Transactions of the ASME, 2013, 135, .	1.8	3
20	The effects of longitudinal ribs on entropy generation for laminar forced convection in a microchannel. Thermal Science, 2016, 20, 1963-1972.	1.1	3
21	A new algorithm for the simulation of a rarefied gas flow in a rotating cylinder using the consistent Boltzmann algorithm. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2014, 36, 79-89.	1.6	1
22	LES Study of 3D Incompressible Temporal Mixing Layer Using Different Well-Known Subgrid Scale (SGS) Models. Arabian Journal for Science and Engineering, 2014, 39, 5129-5140.	1.1	1
23	The effect and contribution of wind generated rotation on outlet temperature and heat gain of LS-2 parabolic trough solar collector. Thermal Science, 2013, 17, 377-386.	1.1	0
24	Simulation of Fluid-Structure and Fluid-Mediated Structure-Structure Interactions in Stokes Regime Using Immersed Boundary Method. Scientific World Journal, The, 2014, 2014, 1-13.	2.1	0
25	Numerical simulation of solid and elastic circular membrane in a simple and dilate microchannel in low Reynolds numbers flows. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4455-4467.	1.6	0
26	Numerical simulation of external flow around cylinder using improved lattice Boltzmann method. Journal of Engineering, 2018, 2018, 248-253.	1.1	0