

Arash Mirabdolah Lavasani

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

415
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of dust concentration, wind speed, and relative humidity on the performance of photovoltaic panels in Tehran. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 7867-7877.	2.3	22
2	The angle of attack effect on thermal-hydraulic performance of a cam-shaped tube with constant heat flux in crossflow. <i>Experimental Heat Transfer</i> , 2023, 36, 548-563.	3.2	3
3	The aspect ratio effect on the performance of a cam-shaped cylinder in crossflow of air. <i>Experimental Heat Transfer</i> , 2022, 35, 500-515.	3.2	6
4	Exergy and exergoeconomic analyses of serial and bypass two-stage compression on the household refrigerator-freezer and replacement of R436A refrigerant. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 137-158.	1.4	3
5	Combination of a v-grooved solar collector with a single slope solar still: Performance evaluation, mathematical modeling, and economic analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 8731-8753.	2.1	6
6	Investigating the increased heat performance of direct steam generation of Fresnel power plant using nanoparticles. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, .	2.3	2
7	Experimental investigation of the heat transfer for non-circular tubes in a turbulent air cross flow. <i>Experimental Heat Transfer</i> , 2021, 34, 513-530.	3.2	6
8	Investigation of Wall Function Effects on Aerodynamic Characteristics of Turbulent Flow Around a Simplified High-Speed Train. <i>International Journal of Heat and Technology</i> , 2021, 39, 309-318.	0.6	3
9	Experimental study on flow around a tube in mixed tube bundles comprising cam-shaped and circular cylinders in in-line arrangement. <i>International Journal of Thermal Sciences</i> , 2021, 163, 106812.	4.9	10
10	Performance enhancement of a solar still using a V-groove solar air collector”experimental study with energy, exergy, enviroeconomic, and exergoeconomic analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 65525-65548.	5.3	19
11	Improvement of heat transfer in heat exchangers with spiral springs with the square cross-section area. <i>Heat and Mass Transfer</i> , 2020, 56, 2801-2812.	2.1	0
12	4E analyses of an innovative polygeneration system based on SOFC. <i>Renewable Energy</i> , 2020, 156, 986-1007.	8.9	62
13	Economic and thermodynamic evaluation of a new solid oxide fuel cell based polygeneration system. <i>Energy</i> , 2019, 175, 515-533.	8.8	40
14	Numerical analysis of effect of nanofluid and fin distribution density on thermal and hydraulic performance of a heat sink with drop-shaped micropin fins. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1211-1228.	3.6	20
15	Simulation of capacitive pressure sensor based on microelectromechanical systems technology. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 1538-1546.	2.1	1
16	Numerical study of pressure drop and heat transfer from circular and cam-shaped tube bank in cross-flow of nanofluid. <i>Energy Conversion and Management</i> , 2016, 129, 319-328.	9.2	32
17	Two phase mixture model of nano-enhanced mixed convection heat transfer in finned enclosure. <i>Chemical Engineering Research and Design</i> , 2016, 111, 294-304.	5.6	20
18	Effect of blockage ratio on pressure drag and heat transfer of a cam-shaped tube. <i>Heat and Mass Transfer</i> , 2016, 52, 1935-1942.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Experimental study of thermal-hydraulic performance of cam-shaped tube bundle with staggered arrangement. <i>Energy Conversion and Management</i> , 2014, 85, 470-476.	9.2	36
20	Experimental study of convective heat transfer from in-line cam shaped tube bank in crossflow. <i>Applied Thermal Engineering</i> , 2014, 65, 85-93.	6.0	68
21	Experimental study on the thermal performance of mechanical cooling tower with rotational splash type packing. <i>Energy Conversion and Management</i> , 2014, 87, 530-538.	9.2	38
22	Experimental analysis and modeling of weather condition effects on photovoltaic systems™ performance: Tehran case study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-13.	2.3	9