

Farzad Veysi

List of Publications by Year in descending order

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33
papers

1,609
citations

471371

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times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Behavior due to Buoyancy-driven Convection between Two Vertical Surfaces in an Enclosed Cavity Partitioned by an array of Perforated Blades. <i>Experimental Heat Transfer</i> , 2023, 36, 234-253.	2.3	1
2	Thermal efficiency of a ferrofluid-based flat-plate solar collector under the effect of non-uniform magnetic field. <i>Applied Thermal Engineering</i> , 2022, 201, 117726.	3.0	8
3	Experimental study of geometric cuboid effect on convective heat transfer. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	4
4	Experimental and Numerical Study of Thermal Efficiency of Helically Coiled Tube Heat Exchanger Using Ethylene Glycol-Distilled Water Based Fe ₃ O ₄ Nanofluid. <i>International Journal of Thermophysics</i> , 2022, 43, .	1.0	0
5	Numerical investigation of small plate heat exchangers performance having different surface profiles. <i>Applied Thermal Engineering</i> , 2021, 188, 116616.	3.0	10
6	A novel metaheuristic combinatorial algorithm to optimize the natural convection across a vertical enclosure divided by perforated flat horizontal louvers inside. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	2
7	The influence of geometric parameters of baffle on the flow and heat transfer of Al ₂ O ₃ /water nanofluid in a tube with rectangular baffle. <i>International Nano Letters</i> , 2021, 11, 395.	2.3	2
8	Multi-objective optimization of energy efficiency and thermal comfort in an existing office building using NSGA-II with fitness approximation: A case study. <i>Journal of Building Engineering</i> , 2021, 41, 102440.	1.6	35
9	Thermal efficiency investigation of a ferrofluid-based cylindrical solar collector with a helical pipe receiver under the effect of magnetic field. <i>Renewable Energy</i> , 2021, 176, 198-213.	4.3	11
10	Optimization of heat transfer and pressure drop of the channel flow with baffle. <i>High Temperature Materials and Processes</i> , 2021, 40, 286-299.	0.6	2
11	An experimental investigation on the heat transfer and friction coefficients of a small plate heat exchanger with chevron angle. <i>Heat and Mass Transfer</i> , 2020, 56, 849-858.	1.2	7
12	Heat transfer and thermal efficiency of a lab-fabricated ferrofluid-based single-ended tube solar collector under the effect of magnetic field: An experimental study. <i>Applied Thermal Engineering</i> , 2020, 164, 114510.	3.0	21
13	A comprehensive assessment of low-temperature preheating process in natural gas pressure reduction stations to better benefit from solar energy. <i>Energy</i> , 2020, 209, 118430.	4.5	16
14	A Simple Method to Design and Analyze Dynamic Vibration Absorber of Pipeline Structure Using Dimensional Analysis. <i>Shock and Vibration</i> , 2020, 2020, 1-13.	0.3	4
15	Magnetoviscous effect investigation of water based Mn-Zn Fe ₂ O ₄ magnetic nanofluid under the influence of magnetic field: An experimental study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 292-306.	1.0	19
16	Feasibility study of using solar energy as a renewable source in office buildings in different climatic regions. <i>World Journal of Engineering</i> , 2019, 16, 213-221.	1.0	5
17	Experimental and numerical investigations on the thermal performance of a modified evacuated tube solar collector: Effect of the bypass tube. <i>Solar Energy</i> , 2019, 183, 725-737.	2.9	44
18	A novel modification on preheating process of natural gas in pressure reduction stations to improve energy consumption, exergy destruction and CO ₂ emission: Preheating based on real demand. <i>Energy</i> , 2019, 173, 598-609.	4.5	28

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19	Novel experimental approaches to investigate distribution of solar insolation around the tubes in evacuated tube solar collectors. <i>Renewable Energy</i> , 2018, 127, 724-732.	4.3	20
20	A comprehensive analysis of energy and exergy characteristics for a natural gas city gate station considering seasonal variations. <i>Energy</i> , 2018, 155, 721-733.	4.5	50
21	Optimal and critical values of geometrical parameters of shell and helically coiled tube heat exchangers. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 73-78.	2.8	38
22	Prediction of heat transfer coefficients of shell and coiled tube heat exchangers using numerical method and experimental validation. <i>International Journal of Thermal Sciences</i> , 2016, 107, 196-208.	2.6	79
23	Development of a correlation for parameter controlling using exergy efficiency optimization of an Al ₂ O ₃ /water nanofluid based flat-plate solar collector. <i>Applied Thermal Engineering</i> , 2016, 98, 1116-1129.	3.0	52
24	Exergy efficiency investigation and optimization of an Al ₂ O ₃ -water nanofluid based Flat-plate solar collector. <i>Energy and Buildings</i> , 2015, 101, 12-23.	3.1	101
25	Optimization of Laminar Free Convection in a Horizontal Cavity Consisting of Flow Diverters Using ICA. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 2295-2306.	1.1	5
26	The minimum gas temperature at the inlet of regulators in natural gas pressure reduction stations (CGS) for energy saving in water bath heaters. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 230-240.	2.1	44
27	An experimental investigation on the efficiency of a Flat-plate solar collector with binary working fluid: A case study of propylene glycol (PG)-water. <i>Experimental Thermal and Fluid Science</i> , 2014, 53, 218-226.	1.5	37
28	Neutronic simulation of water-based nanofluids as a coolant in VVER-1000 reactor. <i>Progress in Nuclear Energy</i> , 2013, 65, 32-41.	1.3	16
29	Subchannel analysis of nanofluids application to VVER-1000 reactor. <i>Chemical Engineering Research and Design</i> , 2013, 91, 625-632.	2.7	28
30	Thermal-hydraulic modeling of nanofluids as the coolant in VVER-1000 reactor core by the porous media approach. <i>Annals of Nuclear Energy</i> , 2013, 51, 203-212.	0.9	45
31	An experimental investigation on the free convection heat transfer in a horizontal cavity consisting of flow diverters. <i>Heat Transfer - Asian Research</i> , 2012, 41, 553-564.	2.8	6
32	An experimental investigation on the effect of Al ₂ O ₃ -H ₂ O nanofluid on the efficiency of flat-plate solar collectors. <i>Renewable Energy</i> , 2012, 39, 293-298.	4.3	615
33	An experimental investigation on the effect of pH variation of MWCNT-H ₂ O nanofluid on the efficiency of a flat-plate solar collector. <i>Solar Energy</i> , 2012, 86, 771-779.	2.9	254