

Majid Eshagh Nimvari

List of Publications by Year in descending order

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29
papers

617
citations

686830

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610482

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29
all docs

29
docs citations

29
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance enhancement of Savonius wind turbine using a nanofiber-based deflector. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	0.8	10
2	Novel designs for square cyclone using rounded corner and double-inverted cones shapes. Powder Technology, 2021, 380, 67-79.	2.1	15
3	Numerical simulation of heat transfer on nanofluid flow in an annular pipe with simultaneous embedding of porous discs and triangular fins. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2021, 44, 158-169.	0.6	7
4	CFD study on the effect of gas temperature on the separation efficiency of square cyclones. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	4
5	A comparative study of different heat transfer enhancement mechanisms in a partially porous pipe. SN Applied Sciences, 2021, 3, 1.	1.5	0
6	Performance improvement of Darrieus wind turbine using different cavity layouts. Energy Conversion and Management, 2021, 246, 114693.	4.4	13
7	A geometric mass control approach in level set method to simulate multiphase flows with complex interface topologies, case study: Oblique coalescence of gas bubbles in a liquid. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 56-69.	1.4	3
8	Performance improvement of a Savonius vertical axis wind turbine using a porous deflector. Energy Conversion and Management, 2020, 220, 113062.	4.4	52
9	Experimental and numerical investigations of a modified designed baseboard radiator using an air gap enhancing free convection heat transfer. Journal of Building Engineering, 2020, 32, 101535.	1.6	3
10	Effect of Gurney flap on flow separation and aerodynamic performance of an airfoil under rain and icing conditions. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 659-677.	1.5	15
11	Numerical simulation of the effect of rain on aerodynamic performance and aeroacoustic mechanism of an airfoil via a two-phase flow approach. SN Applied Sciences, 2020, 2, 1.	1.5	4
12	Computational fluid dynamics simulation of aerodynamic performance and flow separation by single element and slatted airfoils under rainfall conditions. Applied Mathematical Modelling, 2020, 83, 683-702.	2.2	12
13	Model based water management diagnosis in polymer electrolyte membrane fuel cell. International Journal of Hydrogen Energy, 2020, 45, 15618-15629.	3.8	19
14	HEAT TRANSFER MODIFICATION WITHIN THE POROUS LAYER OF A PARTIALLY FILLED PIPE AT HIGH REYNOLDS NUMBER INCLUDING DISPERSION EFFECTS. Journal of Porous Media, 2020, 23, 1101-1121.	1.0	0
15	A new approach to mitigate intense temperature gradients in ceramic foam solar receivers. Renewable Energy, 2018, 122, 206-215.	4.3	21
16	ANALYTICAL INVESTIGATION OF FORCED CONVECTION HEAT TRANSFER IN A FLAT-PLATE SOLAR COLLECTOR FILLED WITH A POROUS MEDIUM BY CONSIDERING RADIATION EFFECT. Journal of Porous Media, 2018, 21, 1177-1195.	1.0	8
17	Improving efficiency of conventional and square cyclones using different configurations of the laminarizer. Powder Technology, 2018, 339, 232-243.	2.1	39
18	Modeling and thermoeconomic optimization of marine diesel charge air cooler. Energy, 2018, 162, 753-763.	4.5	3

#	ARTICLE	IF	CITATIONS
19	NUMERICAL STUDY OF THERMAL CHARACTERISTICS OF FUEL OIL-ALUMINA AND WATER-ALUMINA NANOFLUIDS FLOW IN A CHANNEL IN THE LAMINAR FLOW. <i>IJUM Engineering Journal</i> , 2018, 19, 251-269.	0.5	4
20	Investigation of turbulence effects within porous layer on the thermal performance of a partially filled pipe. <i>International Journal of Thermal Sciences</i> , 2017, 118, 374-385.	2.6	19
21	Performance evaluation of a flat-plate solar collector filled with porous metal foam: Experimental and numerical analysis. <i>Energy Conversion and Management</i> , 2017, 153, 278-287.	4.4	95
22	Thermal Performance Evaluation of a Double-Tube Heat Exchanger Partially Filled with Porous Media Under Turbulent Flow Regime. <i>Transport in Porous Media</i> , 2017, 120, 449-471.	1.2	21
23	Experimental investigation of thermal performance and entropy generation of a flat-plate solar collector filled with porous media. <i>Applied Thermal Engineering</i> , 2017, 127, 1506-1517.	3.0	57
24	Effects of porous material and nanoparticles on the thermal performance of a flat plate solar collector: An experimental study. <i>Renewable Energy</i> , 2017, 114, 1407-1418.	4.3	118
25	NUMERICAL COMPUTATION OF MACROSCOPIC TURBULENT QUANTITIES IN A POROUS MEDIUM: AN EXTENSION TO A MACROSCOPIC TURBULENCE MODEL. <i>Journal of Porous Media</i> , 2016, 19, 497-513.	1.0	9
26	A Macroscopic Turbulence Model for Reacting Flow in Porous Media. <i>Transport in Porous Media</i> , 2015, 106, 355-381.	1.2	16
27	Numerical simulation of turbulent reacting flow in porous media using two macroscopic turbulence models. <i>Computers and Fluids</i> , 2013, 88, 232-240.	1.3	11
28	Effect of a uniform magnetic field on dielectric two-phase bubbly flows using the level set method. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 4094-4101.	1.0	25
29	Bubble viscosity effect on internal circulation within the bubble rising due to buoyancy using the level set method. <i>Annals of Nuclear Energy</i> , 2011, 38, 2770-2778.	0.9	14