

Majid Eshagh Nimvari

List of Publications by Year in descending order

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29
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491
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Performance improvement of a Savonius vertical axis wind turbine using a porous deflector. <i>Energy Conversion and Management</i> , 2020, 220, 113062.	4.4	52
5	Improving efficiency of conventional and square cyclones using different configurations of the laminarizer. <i>Powder Technology</i> , 2018, 339, 232-243.	2.1	39
6	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
7	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
8	A new approach to mitigate intense temperature gradients in ceramic foam solar receivers. <i>Renewable Energy</i> , 2018, 122, 206-215.	4.3	21
9	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
10	Model based water management diagnosis in polymer electrolyte membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15618-15629.	3.8	19
11	A Macroscopic Turbulence Model for Reacting Flow in Porous Media. <i>Transport in Porous Media</i> , 2015, 106, 355-381.	1.2	16
12	Effect of Gurney flap on flow separation and aerodynamic performance of an airfoil under rain and icing conditions. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 659-677.	1.5	15
13	Novel designs for square cyclone using rounded corner and double-inverted cones shapes. <i>Powder Technology</i> , 2021, 380, 67-79.	2.1	15
14	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
15	Performance improvement of Darrieus wind turbine using different cavity layouts. <i>Energy Conversion and Management</i> , 2021, 246, 114693.	4.4	13
16	Computational fluid dynamics simulation of aerodynamic performance and flow separation by single element and slatted airfoils under rainfall conditions. <i>Applied Mathematical Modelling</i> , 2020, 83, 683-702.	2.2	12
17	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
18	Performance enhancement of Savonius wind turbine using a nanofiber-based deflector. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	10

#	ARTICLE	IF	CITATIONS
19	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
20	ANALYTICAL INVESTIGATION OF FORCED CONVECTION HEAT TRANSFER IN A FLAT-PLATE SOLAR COLLECTOR FILLED WITH A POROUS MEDIUM BY CONSIDERING RADIATION EFFECT. <i>Journal of Porous Media</i> , 2018, 21, 1177-1195.	1.0	8
21	Numerical simulation of heat transfer on nanofluid flow in an annular pipe with simultaneous embedding of porous discs and triangular fins. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2021, 44, 158-169.	0.6	7
22	Numerical simulation of the effect of rain on aerodynamic performance and aeroacoustic mechanism of an airfoil via a two-phase flow approach. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	4
23	CFD study on the effect of gas temperature on the separation efficiency of square cyclones. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	4
24	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
25	Modeling and thermoeconomic optimization of marine diesel charge air cooler. <i>Energy</i> , 2018, 162, 753-763.	4.5	3
26	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. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020, 234, 56-69.	1.4	3
27	Experimental and numerical investigations of a modified designed baseboard radiator using an air gap enhancing free convection heat transfer. <i>Journal of Building Engineering</i> , 2020, 32, 101535.	1.6	3
28	A comparative study of different heat transfer enhancement mechanisms in a partially porous pipe. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	0
29	HEAT TRANSFER MODIFICATION WITHIN THE POROUS LAYER OF A PARTIALLY FILLED PIPE AT HIGH REYNOLDS NUMBER INCLUDING DISPERSION EFFECTS. <i>Journal of Porous Media</i> , 2020, 23, 1101-1121.	1.0	0