

Hossein Fatahian

List of Publications by Year in descending order

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17
papers

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1039406

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all docs

18
docs citations

18
times ranked

95
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Improving efficiency of conventional and square cyclones using different configurations of the laminarizer. <i>Powder Technology</i> , 2018, 339, 232-243.	2.1	39
3	CFD simulation of a novel design of square cyclone with dual-inverse cone. <i>Advanced Powder Technology</i> , 2020, 31, 1748-1758.	2.0	33
4	A low-cost solution for the collection of fine particles in square cyclone: A numerical analysis. <i>Powder Technology</i> , 2021, 387, 454-465.	2.1	18
5	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
6	Novel designs for square cyclone using rounded corner and double-inverted cones shapes. <i>Powder Technology</i> , 2021, 380, 67-79.	2.1	15
7	Numerical study of the effect of suction at a compressible and high Reynolds number flow to control the flow separation over Naca 2415 airfoil. <i>Progress in Computational Fluid Dynamics</i> , 2019, 19, 170.	0.1	12
8	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
9	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
10	Numerical Study of Suction and Blowing Approaches to Control Flow over a Compressor Cascade in Turbulent Flow Regime. <i>International Journal of Automotive and Mechanical Engineering</i> , 2018, 15, 5326-5346.	0.5	7
11	A REVIEW ON RHEOLOGY OF NON-NEWTONIAN PROPERTIES OF BLOOD. <i>IIUM Engineering Journal</i> , 2018, 19, 237-250.	0.5	7
12	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
13	Thermal performance of a ground heat exchanger in a cold climate: a CFD study. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
14	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
15	NUMERICAL STUDY OF THERMAL CHARACTERISTICS OF FUEL OIL-ALUMINA AND WATER-ALUMINA NANOFLUIDS FLOW IN A CHANNEL IN THE LAMINAR FLOW. <i>IIUM Engineering Journal</i> , 2018, 19, 251-269.	0.5	4
16	A parametric study of the heat exchanger copper coils used in an indirect evaporative cooling system. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
17	Simultaneous Effect of Suction and Cavity for Controlling Flow Separation on NACA 0012 Airfoil “ CFD Approach. <i>Gazi University Journal of Science</i> , 2021, 34, 235-249.	0.6	3