

# Hossein Fatahian

## List of Publications by Year in descending order

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17  
papers

245  
citations

1039406

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h-index

996533

15  
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18  
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18  
docs citations

18  
times ranked

95  
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	Thermal performance of a ground heat exchanger in a cold climate: a CFD study. European Physical Journal Plus, 2021, 136, 1.	1.2	4
4	A low-cost solution for the collection of fine particles in square cyclone: A numerical analysis. Powder Technology, 2021, 387, 454-465.	2.1	18
5	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
6	Simultaneous Effect of Suction and Cavity for Controlling Flow Separation on NACA 0012 Airfoil “ CFD Approach. Gazi University Journal of Science, 2021, 34, 235-249.	0.6	3
7	A parametric study of the heat exchanger copper coils used in an indirect evaporative cooling system. SN Applied Sciences, 2020, 2, 1.	1.5	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	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
10	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
11	CFD simulation of a novel design of square cyclone with dual-inverse cone. Advanced Powder Technology, 2020, 31, 1748-1758.	2.0	33
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	Numerical study of the effect of suction at a compressible and high Reynolds number flow to control the flow separation over Naca 2415 airfoil. Progress in Computational Fluid Dynamics, 2019, 19, 170.	0.1	12
14	Improving efficiency of conventional and square cyclones using different configurations of the laminarizer. Powder Technology, 2018, 339, 232-243.	2.1	39
15	Numerical Study of Suction and Blowing Approaches to Control Flow over a Compressor Cascade in Turbulent Flow Regime. International Journal of Automotive and Mechanical Engineering, 2018, 15, 5326-5346.	0.5	7
16	NUMERICAL STUDY OF THERMAL CHARACTERISTICS OF FUEL OIL-ALUMINA AND WATER-ALUMINA NANOFUIDS FLOW IN A CHANNEL IN THE LAMINAR FLOW. IIUM Engineering Journal, 2018, 19, 251-269.	0.5	4
17	A REVIEW ON RHEOLOGY OF NON-NEWTONIAN PROPERTIES OF BLOOD. IIUM Engineering Journal, 2018, 19, 237-250.	0.5	7