

Abdolrahim Rezaeiha

List of Publications by Year in descending order

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29
papers

1,700
citations

430874

18
h-index

580821

25
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all docs

29
docs citations

29
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical-axis wind-turbine farm design: Impact of rotor setting and relative arrangement on aerodynamic performance of double rotor arrays. <i>Energy Reports</i> , 2022, 8, 5793-5819.	5.1	9
2	CFD assessment of wind energy potential for generic high-rise buildings in close proximity: Impact of building arrangement and height. <i>Applied Energy</i> , 2022, 321, 119328.	10.1	19
3	Towards optimal aerodynamic design of wind catchers: Impact of geometrical characteristics. <i>Renewable Energy</i> , 2021, 168, 1344-1363.	8.9	30
4	Effect of airfoil shape on power performance of vertical axis wind turbines in dynamic stall: Symmetric Airfoils. <i>Renewable Energy</i> , 2021, 173, 422-441.	8.9	28
5	Wake interactions of two tandem floating offshore wind turbines: CFD analysis using actuator disc model. <i>Renewable Energy</i> , 2021, 179, 859-876.	8.9	26
6	Floating offshore wind turbine aerodynamics: Trends and future challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111696.	16.4	50
7	CFD-based surrogate modelling of urban wind farms using artificial neural networks: double rotor arrangements. <i>Journal of Physics: Conference Series</i> , 2021, 2042, 012093.	0.4	0
8	Impact of wind direction on wind energy potential for building- integrated ducted wind turbines: a numerical analysis. <i>Journal of Physics: Conference Series</i> , 2021, 2042, 012107.	0.4	0
9	Impact of relative spacing of two adjacent vertical axis wind turbines on their aerodynamics. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 042002.	0.4	8
10	CFD Investigation of Separation Control on a Vertical Axis Wind Turbine: Steady and Unsteady Suction. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 052019.	0.4	0
11	Towards optimal layout design of vertical-axis wind-turbine farms: Double rotor arrangements. <i>Energy Conversion and Management</i> , 2020, 226, 113527.	9.2	40
12	Plasma Actuation for Mitigation of Fluctuating Loads on Airfoils: An Experimental Study. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 052067.	0.4	2
13	A framework for preliminary large-scale urban wind energy potential assessment: Roof-mounted wind turbines. <i>Energy Conversion and Management</i> , 2020, 214, 112770.	9.2	81
14	Scale-Adaptive Simulation (SAS) of Dynamic Stall on a Wind Turbine. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2020, , 323-333.	0.3	3
15	CFD Simulation of Two Tandem Floating Offshore Wind Turbines in Surge Motion. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 052066.	0.4	3
16	CFD analysis of dynamic stall on vertical axis wind turbines using Scale-Adaptive Simulation (SAS): Comparison against URANS and hybrid RANS/LES. <i>Energy Conversion and Management</i> , 2019, 196, 1282-1298.	9.2	68
17	Active flow control for power enhancement of vertical axis wind turbines: Leading-edge slot suction. <i>Energy</i> , 2019, 189, 116131.	8.8	61
18	On the accuracy of turbulence models for CFD simulations of vertical axis wind turbines. <i>Energy</i> , 2019, 180, 838-857.	8.8	207

#	ARTICLE	IF	CITATIONS
19	Towards accurate CFD simulations of vertical axis wind turbines at different tip speed ratios and solidities: Guidelines for azimuthal increment, domain size and convergence. Energy Conversion and Management, 2018, 156, 301-316.	9.2	139
20	Towards optimal aerodynamic design of vertical axis wind turbines: Impact of solidity and number of blades. Energy, 2018, 165, 1129-1148.	8.8	123
21	Characterization of aerodynamic performance of vertical axis wind turbines: Impact of operational parameters. Energy Conversion and Management, 2018, 169, 45-77.	9.2	137
22	CFD simulation of a vertical axis wind turbine operating at a moderate tip speed ratio: Guidelines for minimum domain size and azimuthal increment. Renewable Energy, 2017, 107, 373-385.	8.9	208
23	Effect of pitch angle on power performance and aerodynamics of a vertical axis wind turbine. Applied Energy, 2017, 197, 132-150.	10.1	265
24	Fluctuations of angle of attack and lift coefficient and the resultant fatigue loads for a large Horizontal Axis Wind turbine. Renewable Energy, 2017, 114, 904-916.	8.9	66
25	Effect of the shaft on the aerodynamic performance of urban vertical axis wind turbines. Energy Conversion and Management, 2017, 149, 616-630.	9.2	85
26	Review of Worldwide Activities in Liquid-Fed Pulsed Plasma Thruster. Journal of Propulsion and Power, 2014, 30, 253-264.	2.2	19
27	Effect of power on PPT discharge current. Aircraft Engineering and Aerospace Technology, 2013, 85, 207-214.	0.8	0
28	Analysis of effective parameters on ablative PPT performance. Aircraft Engineering and Aerospace Technology, 2012, 84, 231-243.	0.8	19
29	Design, Development and Operation of a Laboratory Pulsed Plasma Thruster for the First Time in West Asia. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2011, 9, 45-50.	0.2	4