Abdolrahim Rezaeiha

List of Publications by Year
in descending order

29	1,700	430874	580821
papers	citations	18 h-index	25 g-index

29	29	29	826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of pitch angle on power performance and aerodynamics of a vertical axis wind turbine. Applied Energy, 2017, 197, 132-150.	10.1	265
2	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
3	On the accuracy of turbulence models for CFD simulations of vertical axis wind turbines. Energy, 2019, 180, 838-857.	8.8	207
4	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
5	Characterization of aerodynamic performance of vertical axis wind turbines: Impact of operational parameters. Energy Conversion and Management, 2018, 169, 45-77.	9.2	137
6	Towards optimal aerodynamic design of vertical axis wind turbines: Impact of solidity and number of blades. Energy, 2018, 165, 1129-1148.	8.8	123
7	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
8	A framework for preliminary large-scale urban wind energy potential assessment: Roof-mounted wind turbines. Energy Conversion and Management, 2020, 214, 112770.	9.2	81
9	CFD analysis of dynamic stall on vertical axis wind turbines using Scale-Adaptive Simulation (SAS): Comparison against URANS and hybrid RANS/LES. Energy Conversion and Management, 2019, 196, 1282-1298.	9.2	68
10	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
11	Active flow control for power enhancement of vertical axis wind turbines: Leading-edge slot suction. Energy, 2019, 189, 116131.	8.8	61
12	Floating offshore wind turbine aerodynamics: Trends and future challenges. Renewable and Sustainable Energy Reviews, 2021, 152, 111696.	16.4	50
13	Towards optimal layout design of vertical-axis wind-turbine farms: Double rotor arrangements. Energy Conversion and Management, 2020, 226, 113527.	9.2	40
14	Towards optimal aerodynamic design of wind catchers: Impact of geometrical characteristics. Renewable Energy, 2021, 168, 1344-1363.	8.9	30
15	Effect of airfoil shape on power performance of vertical axis wind turbines in dynamic stall: Symmetric Airfoils. Renewable Energy, 2021, 173, 422-441.	8.9	28
16	Wake interactions of two tandem floating offshore wind turbines: CFD analysis using actuator disc model. Renewable Energy, 2021, 179, 859-876.	8.9	26
17	Analysis of effective parameters on ablative PPT performance. Aircraft Engineering and Aerospace Technology, 2012, 84, 231-243.	0.8	19
18	Review of Worldwide Activities in Liquid-Fed Pulsed Plasma Thruster. Journal of Propulsion and Power, 2014, 30, 253-264.	2.2	19

#	Article	IF	Citations
19	CFD assessment of wind energy potential for generic high-rise buildings in close proximity: Impact of building arrangement and height. Applied Energy, 2022, 321, 119328.	10.1	19
20	Vertical-axis wind-turbine farm design: Impact of rotor setting and relative arrangement on aerodynamic performance of double rotor arrays. Energy Reports, 2022, 8, 5793-5819.	5.1	9
21	Impact of relative spacing of two adjacent vertical axis wind turbines on their aerodynamics. Journal of Physics: Conference Series, 2020, 1618, 042002.	0.4	8
22	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
23	Scale-Adaptive Simulation (SAS) of Dynamic Stall on a Wind Turbine. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2020, , 323-333.	0.3	3
24	CFD Simulation of Two Tandem Floating Offshore Wind Turbines in Surge Motion. Journal of Physics: Conference Series, 2020, 1618, 052066.	0.4	3
25	Plasma Actuation for Mitigation of Fluctuating Loads on Airfoils: An Experimental Study. Journal of Physics: Conference Series, 2020, 1618, 052067.	0.4	2
26	Effect of power on PPT discharge current. Aircraft Engineering and Aerospace Technology, 2013, 85, 207-214.	0.8	0
27	CFD Investigation of Separation Control on a Vertical Axis Wind Turbine: Steady and Unsteady Suction. Journal of Physics: Conference Series, 2020, 1618, 052019.	0.4	0
28	CFD-based surrogate modelling of urban wind farms using artificial neural networks: double rotor arrangements. Journal of Physics: Conference Series, 2021, 2042, 012093.	0.4	0
29	Impact of wind direction on wind energy potential for building- integrated ducted wind turbines: a numerical analysis. Journal of Physics: Conference Series, 2021, 2042, 012107.	0.4	0