Qingan A Li

List of Publications by Year
in descending order

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47	1,428	304602	330025
papers	citations	22 h-index	37 g-index

47	47	47	705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of number of blades on aerodynamic forces on a straight-bladed Vertical Axis Wind Turbine. Energy, 2015, 90, 784-795.	4.5	157
2	Study on power performance for straight-bladed vertical axis wind turbine by field and wind tunnel test. Renewable Energy, 2016, 90, 291-300.	4.3	109
3	Effect of solidity on aerodynamic forces around straight-bladed vertical axis wind turbine by wind tunnel experiments (depending on number of blades). Renewable Energy, 2016, 96, 928-939.	4.3	81
4	Effect of rotor aspect ratio and solidity on a straight-bladed vertical axis wind turbine in three-dimensional analysis by the panel method. Energy, 2017, 121, 1-9.	4.5	79
5	Wind tunnel and numerical study of a straight-bladed vertical axis wind turbine in three-dimensional analysis (Part I: For predicting aerodynamic loads and performance). Energy, 2016, 106, 443-452.	4.5	76
6	Experimental and numerical investigation of the effect of turbulent inflow on a Horizontal Axis Wind Turbine (part II: Wake characteristics). Energy, 2016, 113, 1304-1315.	4.5	64
7	Experimental and numerical investigation of the effect of turbulent inflow on a Horizontal Axis Wind Turbine (Part I: Power performance). Energy, 2016, 113, 713-722.	4.5	63
8	Wind tunnel and numerical study of a straight-bladed Vertical Axis Wind Turbine in three-dimensional analysis (Part II: For predicting flow field and performance). Energy, 2016, 104, 295-307.	4.5	53
9	Periodic and aperiodic flow patterns around an airfoil with leading-edge protuberances. Physics of Fluids, 2017, 29, 115110.	1.6	51
10	Study on stall behavior of a straight-bladed vertical axis wind turbine with numerical and experimental investigations. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 1-12.	1.7	50
11	Model Predictive Control Using Multi-Step Prediction Model for Electrical Yaw System of Horizontal-Axis Wind Turbines. IEEE Transactions on Sustainable Energy, 2019, 10, 2084-2093.	5.9	49
12	Fundamental study on aerodynamic force of floating offshore wind turbine with cyclic pitch mechanism. Energy, 2016, 99, 20-31.	4.5	46
13	Effect of turbulence on power performance of a Horizontal Axis Wind Turbine in yawed and no-yawed flow conditions. Energy, 2016, 109, 703-711.	4.5	42
14	The influence of flow field and aerodynamic forces on a straight-bladed vertical axis wind turbine. Energy, 2016, 111, 260-271.	4.5	39
15	Measurement of the flow field around straight-bladed vertical axis wind turbine. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 151, 70-78.	1.7	39
16	Analysis of aerodynamic load on straight-bladed vertical axis wind turbine. Journal of Thermal Science, 2014, 23, 315-324.	0.9	31
17	Effect of turbulent inflows on airfoil performance for a Horizontal Axis Wind Turbine at low Reynolds numbers (part I: Static pressure measurement). Energy, 2016, 111, 701-712.	4.5	30
18	Numerical Investigation of the Tip Vortex of a Straight-Bladed Vertical Axis Wind Turbine with Double-Blades. Energies, 2017, 10, 1721.	1.6	27

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19	Effect of Blade Pitch Angle on the Aerodynamic Characteristics of a Straight-bladed Vertical Axis Wind Turbine Based on Experiments and Simulations. Energies, 2018, 11, 1514.	1.6	27
20	Experimental and theoretical investigations on the effect of a single leading-edge protuberance on airfoil performance. Physics of Fluids, 2019, 31, .	1.6	26
21	Effect of turbulent inflows on airfoil performance for a Horizontal Axis Wind Turbine at low Reynolds numbers (Part II: Dynamic pressure measurement). Energy, 2016, 112, 574-587.	4.5	25
22	Investigation of wake effects on a Horizontal Axis Wind Turbine in field experiments (Part I:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	4.5	23
23	Visualization of the flow field and aerodynamic force on a Horizontal Axis Wind Turbine in turbulent inflows. Energy, 2016, 111, 57-67.	4.5	22
24	Investigation of power performance and wake on a straight-bladed vertical axis wind turbine with field experiments. Energy, 2017, 141, 1113-1123.	4.5	17
25	Investigation of wake characteristic of a 30â€¯kW rated power Horizontal Axis Wind Turbine with wake model and field measurement. Applied Energy, 2018, 225, 1190-1204.	5.1	16
26	Study on the Optimal Configuration of a Wind-Solar-Battery-Fuel Cell System Based on a Regional Power Supply. IEEE Access, 2021, 9, 47056-47068.	2.6	15
27	Wind tunnel and numerical study of a floating offshore wind turbine based on the cyclic pitch control. Renewable Energy, 2021, 172, 453-464.	4.3	15
28	Experimental investigation of the cyclic pitch control on a horizontal axis wind turbine in diagonal inflow wind condition. Energy, 2017, 134, 269-278.	4.5	14
29	Experimental investigation of flow over two-dimensional multiple hill models. Science of the Total Environment, 2017, 609, 1075-1084.	3.9	14
30	Experimental investigations of boundary layer impact on the airfoil aerodynamic forces of Horizontal Axis Wind Turbine in turbulent inflows. Energy, 2017, 135, 799-810.	4.5	14
31	Numerical study of aerodynamic characteristics on a straight-bladed vertical axis wind turbine with bionic blades. Energy, 2022, 239, 122453.	4.5	13
32	Investigation of wake characteristics of a Horizontal Axis Wind Turbine in vertical axis direction with field experiments. Energy, 2017, 141, 262-272.	4.5	12
33	Wind tunnel experimental investigation of flow field around two-dimensional single hill models. Renewable Energy, 2019, 136, 1107-1118.	4.3	12
34	Laser Doppler Velocimetry (LDV) measurements of airfoil surface flow on a Horizontal Axis Wind Turbine in boundary layer. Energy, 2019, 183, 341-357.	4.5	11
35	Visualization of aerodynamic forces and flow field on a straight-bladed vertical axis wind turbine by wind tunnel experiments and panel method. Energy, 2021, 225, 120274.	4.5	9
36	Investigation of aerodynamic forces and flow field of an H-type vertical axis wind turbine based on bionic airfoil. Energy, 2022, 242, 122999.	4.5	8

#	Article	IF	Citations
37	Prediction of power generation of two 30ÂkW Horizontal Axis Wind Turbines with Gaussian model. Energy, 2021, 231, 121075.	4.5	7
38	Experimental investigation of load fluctuation on horizontal axis wind turbine for extreme wind direction change. Journal of Fluid Science and Technology, 2017, 12, JFST0005-JFST0005.	0.2	6
39	Experimental investigations of airfoil surface flow of a horizontal axis wind turbine with LDV measurements. Energy, 2020, 191, 116558.	4.5	6
40	Study on flow around straight-bladed vertical axis wind turbine under low tip speed ratio. Journal of Fluid Science and Technology, 2014, 9, JFST0051-JFST0051.	0.2	5
41	Diagonal inflow effect on the wake characteristics of a horizontal axis wind turbine with Gaussian model and field measurements. Energy, 2022, 238, 121692.	4.5	5
42	Effect of the bionic blade on the flow field of a straight-bladed vertical axis wind turbine. Energy, 2022, 258, 124834.	4.5	5
43	Effect of blade number on flow around straight-bladed vertical axis wind turbine. Transactions of the JSME (in Japanese), 2014, 80, FE0223-FE0223.	0.1	4
44	Wind Tunnel Experiments and Numerical Study on Performance Characteristics of an H-type Vertical Axis Wind Turbine in the Spanwise Direction. Journal of Thermal Science, 2021, 30, 758-771.	0.9	4
45	Experiment and Simulation Effects of Cyclic Pitch Control on Performance of Horizontal Axis Wind Turbine. International Journal of Renewable Energy Development, 2017, 6, 119-125.	1.2	3
46	Review of Study on the Coupled Dynamic Performance of Floating Offshore Wind Turbines. Energies, 2022, 15, 3970.	1.6	3
47	Investigations of flow field around two-dimensional simplified models with wind tunnel experiments. Renewable Energy, 2020, 152, 270-282.	4.3	1