Ke Yang

List of Publications by Year
in descending order

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20 papers	475 citations	687363 13 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	393 citing authors

#	Article	IF	Citations
1	The thermodynamic effect of thermal energy storage on compressed air energy storage system. Renewable Energy, 2013, 50, 227-235.	8.9	72
2	Effects of vortex generators on aerodynamic performance of thick wind turbine airfoils. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 156, 84-92.	3.9	45
3	Thermodynamic analysis of energy conversion and transfer in hybrid system consisting of wind turbine and advanced adiabatic compressed air energy storage. Energy, 2014, 77, 460-477.	8.8	43
4	Numerical analysis and experimental investigation of wind turbine blades with innovative features: Structural response and characteristics. Science China Technological Sciences, 2015, 58, 1-8.	4.0	33
5	Simulation of aerodynamic performance affected by vortex generators on blunt trailing-edge airfoils. Science China Technological Sciences, 2010, 53, 1-7.	4.0	32
6	Exergy destruction analysis of a low-temperature Compressed Carbon dioxide Energy Storage system based on conventional and advanced exergy methods. Applied Thermal Engineering, 2021, 185, 116421.	6.0	30
7	A new optimization approach to improve the overall performance of thick wind turbine airfoils. Energy, 2016, 116, 202-213.	8.8	29
8	Airfoil design for large horizontal axis wind turbines in low wind speed regions. Renewable Energy, 2020, 145, 2345-2357.	8.9	27
9	Modeling multiple failures of composite box beams used in wind turbine blades. Composite Structures, 2019, 217, 130-142.	5.8	25
10	A comprehensive parametric, energy and exergy analysis of a novel physical energy storage system based on carbon dioxide Brayton cycle, low-temperature thermal storage, and cold energy storage. Energy Conversion and Management, 2020, 226, 113563.	9.2	24
11	Thermodynamic analysis of a novel compressed carbon dioxide energy storage system with lowâ€temperature thermal storage. International Journal of Energy Research, 2020, 44, 6531-6554.	4.5	18
12	Modeling of delta-wing type vortex generators. Science China Technological Sciences, 2011, 54, 277-285.	4.0	15
13	Large thickness airfoils with high lift in the operating range of angle of attack. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	15
14	Design and nonlinear structural responses of multi-bolted joint composite box-beam for sectional wind turbine blades. Composite Structures, 2018, 206, 801-813.	5.8	13
15	A method to evaluate the overall performance of the CAS-W1 airfoils for wind turbines. Journal of Renewable and Sustainable Energy, 2013, 5, 063118.	2.0	12
16	Overall design optimization of dedicated outboard airfoils for horizontal axis wind turbine blades. Wind Energy, 2018, 21, 320-337.	4.2	12
17	Experimental study of Reynolds number effects on performance of thick CAS wind turbine airfoils. Journal of Renewable and Sustainable Energy, 2017, 9, 063309.	2.0	10
18	Dynamic characteristics of a two-stage compression and two-stage expansion Compressed Carbon dioxide energy storage system under sliding pressure operation. Energy Conversion and Management, 2022, 254, 115218.	9.2	10

#	Article	IF	Citations
19	Evaluating Structural Failure of Load-Carrying Composite Box Beams with Different Geometries and Load Conditions. Applied Composite Materials, 2019, 26, 1151-1161.	2.5	8
20	Parametric exploration on the airfoil design space by numerical design of experiment methodology and multiple regression model. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2020, 234, 3-18.	1.4	2