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	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
2	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
3	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
4	Airfoil design for large horizontal axis wind turbines in low wind speed regions. Renewable Energy, 2020, 145, 2345-2357.	8.9	27
5	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
6	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
7	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
8	Modeling multiple failures of composite box beams used in wind turbine blades. Composite Structures, 2019, 217, 130-142.	5.8	25
9	Overall design optimization of dedicated outboard airfoils for horizontal axis wind turbine blades. Wind Energy, 2018, 21, 320-337.	4.2	12
10	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
11	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
12	A new optimization approach to improve the overall performance of thick wind turbine airfoils. Energy, 2016, 116, 202-213.	8.8	29
13	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
14	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
15	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
16	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
17	The thermodynamic effect of thermal energy storage on compressed air energy storage system. Renewable Energy, 2013, 50, 227-235.	8.9	72
18	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

#	Article	IF	Citations
19	Modeling of delta-wing type vortex generators. Science China Technological Sciences, 2011, 54, 277-285.	4.0	15
20	Simulation of aerodynamic performance affected by vortex generators on blunt trailing-edge airfoils. Science China Technological Sciences, 2010, 53, 1-7.	4.0	32