

Bi Huang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

414
citations

759233

12
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic behavior study on voltage and temperature of proton exchange membrane fuel cells. Applied Thermal Engineering, 2018, 145, 343-351.	6.0	48
2	Experimental study on temperature characteristics of an air-cooled proton exchange membrane fuel cell stack. Renewable Energy, 2019, 143, 1067-1078.	8.9	43
3	Experimental investigation of the thermal response of open-cathode proton exchange membrane fuel cell stack. International Journal of Hydrogen Energy, 2018, 43, 13489-13500.	7.1	38
4	Temperature uniformity improvement of a proton exchange membrane fuel cell stack with ultra-thin vapor chambers. Applied Energy, 2020, 270, 115192.	10.1	34
5	Effect of humidification on distribution and uniformity of reactants and water content in PEMFC. International Journal of Hydrogen Energy, 2021, 46, 26560-26574.	7.1	33
6	Experimental study on the purge process of a proton exchange membrane fuel cell stack with a dead-end anode. Applied Thermal Engineering, 2018, 142, 203-214.	6.0	32
7	Research on the in-plane temperature distribution in a PEMFC stack integrated with flat-plate heat pipe under different startup strategies and inclination angles. Applied Thermal Engineering, 2020, 179, 115741.	6.0	32
8	Experimental study of enhancing heating performance of the air-source heat pump by using a novel heat recovery device designed for reusing the energy of the compressor shell. Energy Conversion and Management, 2017, 138, 38-44.	9.2	28
9	Experimental study on water management improvement of proton exchange membrane fuel cells with dead-ended anode by periodically supplying fuel from anode outlet. Journal of Power Sources, 2019, 435, 226775.	7.8	23
10	Flow characteristics analysis for multi-path hydrogen supply within proton exchange membrane fuel cell stack. Applied Energy, 2021, 301, 117468.	10.1	19
11	Rapid thermal response and sensitivity analysis of proton exchange membrane fuel cell stack with ultra-thin vapor chambers. Applied Thermal Engineering, 2021, 199, 117526.	6.0	13
12	Improved water management by alternating air flow directions in a proton exchange membrane fuel cell stack. Journal of Power Sources, 2020, 466, 228311.	7.8	13
13	Rapid degradation characteristics of an air-cooled PEMFC stack. International Journal of Energy Research, 2020, 44, 4784-4799.	4.5	12
14	Hydrogen starvation mitigation strategies during the start-up of proton exchange membrane fuel cell stack. Journal of Power Sources, 2022, 520, 230809.	7.8	12
15	Performance improvement of proton exchange membrane fuel cell stack by dual-path hydrogen supply. Energy, 2022, 246, 123297.	8.8	11
16	The improvement on drying performance and energy efficiency of a tumbler clothes dryer with a novel electric heating element. Applied Thermal Engineering, 2018, 128, 531-538.	6.0	9
17	Cell and stack-level study of steady-state and transient behaviour of temperature uniformity of open-cathode proton exchange membrane fuel cells. International Journal of Energy Research, 2019, 43, 8148.	4.5	7
18	Performance Improvement of a Domestic Condenser Tumble Clothes Dryer by Using a Heat Pipe Heat Exchanger. Journal of Thermal Science and Engineering Applications, 2019, 11, .	1.5	4

#	ARTICLE	IF	CITATIONS
19	Dynamic analysis of internal reactants and water content distribution during anode purge in a proton-exchange membrane fuel cell. International Journal of Energy Research, 2021, 45, 10609-10629.	4.5	3