

Bi Huang

List of Publications by Year in descending order

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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	Hydrogen starvation mitigation strategies during the start-up of proton exchange membrane fuel cell stack. <i>Journal of Power Sources</i> , 2022, 520, 230809.	7.8	12
2	Performance improvement of proton exchange membrane fuel cell stack by dual-path hydrogen supply. <i>Energy</i> , 2022, 246, 123297.	8.8	11
3	Dynamic analysis of internal reactants and water content distribution during anode purge in a proton exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 10609-10629.	4.5	3
4	Effect of humidification on distribution and uniformity of reactants and water content in PEMFC. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 26560-26574.	7.1	33
5	Flow characteristics analysis for multi-path hydrogen supply within proton exchange membrane fuel cell stack. <i>Applied Energy</i> , 2021, 301, 117468.	10.1	19
6	Rapid thermal response and sensitivity analysis of proton exchange membrane fuel cell stack with ultra-thin vapor chambers. <i>Applied Thermal Engineering</i> , 2021, 199, 117526.	6.0	13
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. <i>Applied Thermal Engineering</i> , 2020, 179, 115741.	6.0	32
8	Rapid degradation characteristics of an air-cooled PEMFC stack. <i>International Journal of Energy Research</i> , 2020, 44, 4784-4799.	4.5	12
9	Temperature uniformity improvement of a proton exchange membrane fuel cell stack with ultra-thin vapor chambers. <i>Applied Energy</i> , 2020, 270, 115192.	10.1	34
10	Improved water management by alternating air flow directions in a proton exchange membrane fuel cell stack. <i>Journal of Power Sources</i> , 2020, 466, 228311.	7.8	13
11	Cell and stack-level study of steady-state and transient behaviour of temperature uniformity of open-cathode proton exchange membrane fuel cells. <i>International Journal of Energy Research</i> , 2019, 43, 8148.	4.5	7
12	Experimental study on water management improvement of proton exchange membrane fuel cells with dead-ended anode by periodically supplying fuel from anode outlet. <i>Journal of Power Sources</i> , 2019, 435, 226775.	7.8	23
13	Experimental study on temperature characteristics of an air-cooled proton exchange membrane fuel cell stack. <i>Renewable Energy</i> , 2019, 143, 1067-1078.	8.9	43
14	Performance Improvement of a Domestic Condenser Tumble Clothes Dryer by Using a Heat Pipe Heat Exchanger. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	1.5	4
15	The improvement on drying performance and energy efficiency of a tumbler clothes dryer with a novel electric heating element. <i>Applied Thermal Engineering</i> , 2018, 128, 531-538.	6.0	9
16	Dynamic behavior study on voltage and temperature of proton exchange membrane fuel cells. <i>Applied Thermal Engineering</i> , 2018, 145, 343-351.	6.0	48
17	Experimental study on the purge process of a proton exchange membrane fuel cell stack with a dead-end anode. <i>Applied Thermal Engineering</i> , 2018, 142, 203-214.	6.0	32
18	Experimental investigation of the thermal response of open-cathode proton exchange membrane fuel cell stack. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13489-13500.	7.1	38

#	ARTICLE	IF	CITATIONS
19	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