

Lara Rasha

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

450
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural Evolution of Battery Electrodes During Calendering. <i>Joule</i> , 2020, 4, 2746-2768.	24.0	95
2	Engineering Catalyst Layers for Next-Generation Polymer Electrolyte Fuel Cells: A Review of Design, Materials, and Methods. <i>Advanced Energy Materials</i> , 2021, 11, 2101025.	19.5	85
3	Characterization of water management in metal foam flow-field based polymer electrolyte fuel cells using in-operando neutron radiography. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2195-2205.	7.1	41
4	A lung-inspired printed circuit board polymer electrolyte fuel cell. <i>Energy Conversion and Management</i> , 2019, 202, 112198.	9.2	28
5	Effect of cell compression on the water dynamics of a polymer electrolyte fuel cell using in-plane and through-plane in-operando neutron radiography. <i>Journal of Power Sources</i> , 2019, 439, 227074.	7.8	26
6	Effect of compression on the water management of polymer electrolyte fuel cells: An in-operando neutron radiography study. <i>Journal of Power Sources</i> , 2019, 412, 597-605.	7.8	25
7	Investigation of water generation and accumulation in polymer electrolyte fuel cells using hydro-electrochemical impedance imaging. <i>Journal of Power Sources</i> , 2019, 414, 272-277.	7.8	21
8	Multi-length scale characterization of compression on metal foam flow-field based fuel cells using X-ray computed tomography and neutron radiography. <i>Energy Conversion and Management</i> , 2021, 230, 113785.	9.2	19
9	A novel polymer electrolyte fuel cell flow-field: The through-plane array. <i>Journal of Power Sources</i> , 2019, 442, 227218.	7.8	18
10	Integration of supercapacitors into printed circuit boards. <i>Journal of Energy Storage</i> , 2018, 19, 28-34.	8.1	14
11	Use of X-ray computed tomography for understanding localised, along-the-channel degradation of polymer electrolyte fuel cells. <i>Electrochimica Acta</i> , 2020, 352, 136464.	5.2	14
12	Proton exchange membrane fuel cell performance investigation considering internal heterogeneity of current density – A novel method study. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 20205-20217.	7.1	12
13	Effect of reactant gas flow orientation on the current and temperature distribution in self-heating polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7502-7514.	7.1	11
14	High-speed 4D neutron computed tomography for quantifying water dynamics in polymer electrolyte fuel cells. <i>Nature Communications</i> , 2022, 13, 1616.	12.8	10
15	Effect of extended short-circuiting in proton exchange membrane fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5739-5746.	4.9	8
16	Water distribution mapping in polymer electrolyte fuel cells using lock-in thermography. <i>Journal of Power Sources</i> , 2019, 440, 227160.	7.8	7
17	Rapid Preparation of Geometrically Optimal Battery Electrode Samples for Nano Scale X-ray Characterisation. <i>Journal of the Electrochemical Society</i> , 2020, 167, 060512.	2.9	7
18	Adjusted method to calculate an electric wheelchair power cycle: fuel cell implementation example. <i>Journal of Energy Storage</i> , 2019, 23, 371-380.	8.1	5

#	ARTICLE	IF	CITATIONS
19	Design of experiments to generate a fuel cell electro-thermal performance map and optimise transitional pathways. International Journal of Powertrains, 2018, 7, 118.	0.3	4
20	Lock-in Thermography As a Diagnostic Tool for Water Detection and Quantification in Polymer Electrolyte Fuel Cells (PEFCs). ECS Meeting Abstracts, 2019, , .	0.0	0
21	In-Situ/Operando X-Ray CT Characterisation of Lithium-Ion Pouch Cells during Thermal Failure. ECS Meeting Abstracts, 2022, MA2022-01, 349-349.	0.0	0