

# 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	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
2	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
3	In-Situ/Operando X-Ray CT Characterisation of Lithium-Ion Pouch Cells during Thermal Failure. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 349-349.	0.0	0
4	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
5	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
6	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
7	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
8	Microstructural Evolution of Battery Electrodes During Calendaring. <i>Joule</i> , 2020, 4, 2746-2768.	24.0	95
9	Effect of extended short-circuiting in proton exchange membrane fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5739-5746.	4.9	8
10	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
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	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
13	Water distribution mapping in polymer electrolyte fuel cells using lock-in thermography. <i>Journal of Power Sources</i> , 2019, 440, 227160.	7.8	7
14	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
15	A novel polymer electrolyte fuel cell flow-field: The through-plane array. <i>Journal of Power Sources</i> , 2019, 442, 227218.	7.8	18
16	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
17	A lung-inspired printed circuit board polymer electrolyte fuel cell. <i>Energy Conversion and Management</i> , 2019, 202, 112198.	9.2	28
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Integration of supercapacitors into printed circuit boards. Journal of Energy Storage, 2018, 19, 28-34.	8.1	14