

Nan Ge

List of Publications by Year in descending order

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16
papers

504
citations

759233

12
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of compression on water distribution in gas diffusion layer materials of PEMFC in a point injection device by means of synchrotron X-ray imaging. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 391-406.	7.1	72
2	Non-isothermal two-phase transport in a polymer electrolyte membrane fuel cell with crack-free microporous layers. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 418-431.	4.8	60
3	Accelerated Degradation of Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers. <i>Journal of the Electrochemical Society</i> , 2017, 164, F704-F713.	2.9	42
4	Hydrophilic microporous layer coatings for polymer electrolyte membrane fuel cells operating without anode humidification. <i>Journal of Power Sources</i> , 2018, 402, 468-482.	7.8	42
5	Calibrating the X-ray attenuation of liquid water and correcting sample movement artefacts during <i>in operando</i> synchrotron X-ray radiographic imaging of polymer electrolyte membrane fuel cells. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 590-599.	2.4	41
6	Liquid water saturation and oxygen transport resistance in polymer electrolyte membrane fuel cell gas diffusion layers. <i>Electrochimica Acta</i> , 2018, 274, 250-265.	5.2	40
7	Simultaneous characterization of oxygen transport resistance and spatially resolved liquid water saturation at high-current density of polymer electrolyte membrane fuel cells with varied cathode relative humidity. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29472-29483.	7.1	38
8	Transient Liquid Water Distributions in Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers Observed through In-Operando Synchrotron X-ray Radiography. <i>Journal of the Electrochemical Society</i> , 2017, 164, F154-F162.	2.9	35
9	Designing Tailored Gas Diffusion Layers with Pore Size Gradients via Electrospinning for Polymer Electrolyte Membrane Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 2695-2707.	5.1	31
10	Accelerated Degradation of Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers. <i>Journal of the Electrochemical Society</i> , 2017, 164, F714-F721.	2.9	30
11	Microporous Layer Degradation in Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, F3271-F3280.	2.9	30
12	Graded Microporous Layers for Enhanced Capillary-Driven Liquid Water Removal in Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901157.	3.7	24
13	Degradation Characteristics of Electrospun Gas Diffusion Layers with Custom Pore Structures for Polymer Electrolyte Membrane Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2414-2427.	8.0	8
14	3D classification of polymer electrolyte membrane fuel cell materials from in-situ X-ray tomographic datasets. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12161-12169.	7.1	7
15	Considering Photon Scattering and Harmonics for Synchrotron X-ray Radiographic Imaging of Polymer Electrolyte Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, E3215-E3224.	2.9	4
16	Identifying Water Thickness in Various Layers in PEMFCs through EIS and X-ray Radiography. <i>ECS Transactions</i> , 2014, 61, 57-67.	0.5	0