Tobias Schuler

List of Publications by Year
in descending order

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14	632	758635 12	1058022 14
papers	citations	h-index	g-index

14	14	14	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the role of porous transport layer thickness in polymer electrolyte water electrolysis. Journal of Power Sources Advances, 2022, 15, 100095.	2.6	16
2	Unraveling two-phase transport in porous transport layer materials for polymer electrolyte water electrolysis. Journal of Materials Chemistry A, 2021, 9, 22102-22113.	5.2	22
3	A Method for Spatial Quantification of Water in Microporous Layers of Polymer Electrolyte Fuel Cells by X-ray Tomographic Microscopy. ACS Applied Materials & Interfaces, 2021, 13, 16227-16237.	4.0	18
4	Investigation and Optimisation of Operating Conditions for Low-Temperature CO₂Reduction to CO in a Forward-Bias Bipolar-Membrane Electrolyser. Journal of the Electrochemical Society, 2021, 168, 043506.	1.3	19
5	Elucidation of Fluid Streamlining in Multi-Layered Porous Transport Layers for Polymer Electrolyte Water Electrolyzers by Operando Neutron Radiography. Journal of the Electrochemical Society, 2021, 168, 014505.	1.3	13
6	Hierarchically Structured Porous Transport Layers for Polymer Electrolyte Water Electrolysis. Advanced Energy Materials, 2020, 10, 1903216.	10.2	87
7	Towards a generic understanding of oxygen evolution reaction kinetics in polymer electrolyte water electrolysis. Energy and Environmental Science, 2020, 13, 2153-2166.	15.6	90
8	Transient and Steady State Two-Phase Flow in Anodic Porous Transport Layer of Proton Exchange Membrane Water Electrolyzer. Journal of the Electrochemical Society, 2020, 167, 084509.	1.3	35
9	Water Electrolysis: Hierarchically Structured Porous Transport Layers for Polymer Electrolyte Water Electrolysis (Adv. Energy Mater. 2/2020). Advanced Energy Materials, 2020, 10, 2070009.	10.2	2
10	Mesoscopic analyses of the impact of morphology and operating conditions on the transport resistances in a proton-exchange-membrane fuel-cell catalyst layer. Sustainable Energy and Fuels, 2020, 4, 3623-3639.	2.5	12
11	Polymer Electrolyte Water Electrolysis: Correlating Performance and Porous Transport Layer Structure: Part II. Electrochemical Performance Analysis. Journal of the Electrochemical Society, 2019, 166, F555-F565.	1.3	103
12	Polymer Electrolyte Water Electrolysis: Correlating Porous Transport Layer Structural Properties and Performance: Part I. Tomographic Analysis of Morphology and Topology. Journal of the Electrochemical Society, 2019, 166, F270-F281.	1.3	88
13	Fuel-Cell Catalyst-Layer Resistance via Hydrogen Limiting-Current Measurements. Journal of the Electrochemical Society, 2019, 166, F3020-F3031.	1.3	84
14	Investigating fuel-cell transport limitations using hydrogen limiting current. International Journal of Hydrogen Energy, 2017, 42, 13960-13969.	3.8	43