

# Tobias Schuler

## List of Publications by Year in descending order

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14  
papers

632  
citations

758635

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1058022

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all docs

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docs citations

14  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Hierarchically Structured Porous Transport Layers for Polymer Electrolyte Water Electrolysis. Advanced Energy Materials, 2020, 10, 1903216.	10.2	87
5	Fuel-Cell Catalyst-Layer Resistance via Hydrogen Limiting-Current Measurements. Journal of the Electrochemical Society, 2019, 166, F3020-F3031.	1.3	84
6	Investigating fuel-cell transport limitations using hydrogen limiting current. International Journal of Hydrogen Energy, 2017, 42, 13960-13969.	3.8	43
7	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
8	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
9	Investigation and Optimisation of Operating Conditions for Low-Temperature CO <sub>2</sub> Reduction to CO in a Forward-Bias Bipolar-Membrane Electrolyser. Journal of the Electrochemical Society, 2021, 168, 043506.	1.3	19
10	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
11	On the role of porous transport layer thickness in polymer electrolyte water electrolysis. Journal of Power Sources Advances, 2022, 15, 100095.	2.6	16
12	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
13	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
14	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