

Philipp Lettenmeier

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,266
citations

687220

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887953

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18
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18
docs citations

18
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial approaches in benchmarking and round robin testing for proton exchange membrane water electrolyzers. International Journal of Hydrogen Energy, 2019, 44, 9174-9187.	3.8	80
2	(Invited) Large Scale PEM Electrolysis for Industrial Applications. ECS Meeting Abstracts, 2019, , .	0.0	2
3	Highly active nano-sized iridium catalysts: synthesis and <i>operando</i> spectroscopy in a proton exchange membrane electrolyzer. Chemical Science, 2018, 9, 3570-3579.	3.7	86
4	Degradation of Proton Exchange Membrane (PEM) Electrolysis: The Influence of Current Density. ECS Transactions, 2018, 86, 695-700.	0.3	20
5	Cost-Effective PEM Electrolysis: The Quest to Achieve Superior Efficiencies with Reduced Investment. ECS Transactions, 2018, 85, 3-13.	0.3	8
6	Highly active anode electrocatalysts derived from electrochemical leaching of Ru from metallic Ir 0.7 Ru 0.3 for proton exchange membrane electrolyzers. Nano Energy, 2017, 34, 385-391.	8.2	106
7	Low-Cost and Durable Bipolar Plates for Proton Exchange Membrane Electrolyzers. Scientific Reports, 2017, 7, 44035.	1.6	88
8	Comprehensive investigation of novel pore-graded gas diffusion layers for high-performance and cost-effective proton exchange membrane electrolyzers. Energy and Environmental Science, 2017, 10, 2521-2533.	15.6	147
9	Nanosized IrO _x Ir Catalyst with Relevant Activity for Anodes of Proton Exchange Membrane Electrolysis Produced by a Cost-Effective Procedure. Angewandte Chemie - International Edition, 2016, 55, 742-746.	7.2	173
10	Coated Stainless Steel Bipolar Plates for Proton Exchange Membrane Electrolyzers. Journal of the Electrochemical Society, 2016, 163, F3119-F3124.	1.3	53
11	Electrochemical Analysis of Synthesized Iridium Nanoparticles for Oxygen Evolution Reaction in Acid Medium. ECS Transactions, 2016, 72, 1-9.	0.3	7
12	Proton Exchange Membrane Electrolyzer Systems Operating Dynamically at High Current Densities. ECS Transactions, 2016, 72, 11-21.	0.3	5
13	Durable Membrane Electrode Assemblies for Proton Exchange Membrane Electrolyzer Systems Operating at High Current Densities. Electrochimica Acta, 2016, 210, 502-511.	2.6	115
14	Protective coatings on stainless steel bipolar plates for proton exchange membrane (PEM) electrolyzers. Journal of Power Sources, 2016, 307, 815-825.	4.0	131
15	Towards developing a backing layer for proton exchange membrane electrolyzers. Journal of Power Sources, 2016, 311, 153-158.	4.0	110
16	Nanostructured Ir-supported on Ti ₄ O ₇ as a cost-effective anode for proton exchange membrane (PEM) electrolyzers. Physical Chemistry Chemical Physics, 2016, 18, 4487-4495.	1.3	52
17	Protective Coatings for Low-Cost Bipolar Plates and Current Collectors of Proton Exchange Membrane Electrolyzers for Large Scale Energy Storage from Renewables. , 0, , .		6