Mark Mathias

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5589533/publications.pdf

Version: 2024-02-01

12 papers	3,006 citations	840776 11 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	3930 citing authors

#	Article	IF	Citations
1	The Priority and Challenge of High-Power Performance of Low-Platinum Proton-Exchange Membrane Fuel Cells. Journal of Physical Chemistry Letters, 2016, 7, 1127-1137.	4.6	908
2	Electrochemistry and the Future of the Automobile. Journal of Physical Chemistry Letters, 2010, 1, 2204-2219.	4.6	714
3	Measurement of Catalyst Layer Electrolyte Resistance in PEFCs Using Electrochemical Impedance Spectroscopy. Journal of the Electrochemical Society, 2005, 152, A970.	2.9	405
4	Quantifying the promise of lithiumâ€“air batteries for electric vehicles. Energy and Environmental Science, 2014, 7, 1555.	30.8	399
5	Water Transport Mechanisms in PEMFC Gas Diffusion Layers. Journal of the Electrochemical Society, 2010, 157, B1456.	2.9	168
6	An alternating current impedance model including migration and redox-site interactions at polymer-modified electrodes. The Journal of Physical Chemistry, 1992, 96, 3174-3182.	2.9	160
7	Effect of counterion type on charge transport at redox polymer-modified electrodes. The Journal of Physical Chemistry, 1993, 97, 9217-9225.	2.9	80
8	The Composition of Electrodeposited Zincâ€Nickel Alloy Coatings. Journal of the Electrochemical Society, 1987, 134, 1408-1416.	2.9	68
9	Measurement of Platinum Oxide Coverage in a Proton Exchange Membrane Fuel Cell. Electrochemical and Solid-State Letters, 2010, 13, B1.	2.2	59
10	Frontiers in Application of Impedance Diagnostics to H2-Fed Polymer Electrolyte Fuel Cells. ECS Transactions, 2008, 13, 129-152.	0.5	23
11	AC Impedance at Redoxâ€Polymer Modified Electrodes: Effects of Dilute and Highly Resistive Bathing Electrolytes. Journal of the Electrochemical Society, 1994, 141, 2722-2728.	2.9	14
12	A model of zinc-nickel alloy electrodeposition in an industrial-scale cell. Journal of Applied Electrochemistry, 1990, 20, 1-10.	2.9	8