

Mark Mathias

List of Publications by Year in descending order

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