

R Paul Brooker

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

643
citations

759233

12
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Calendar aging of commercial Li-ion cells of different chemistries – A review. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 106-113.	4.8	120
2	Challenges associated with diamond wire sawing when generating reduced thickness mono-crystalline silicon wafers. , 2016, , .		2
3	Manufacturing metrology for c-Si module reliability and durability Part II: Cell manufacturing. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 225-252.	16.4	38
4	Manufacturing metrology for c-Si photovoltaic module reliability and durability, Part I: Feedstock, crystallization and wafering. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 84-106.	16.4	30
5	Manufacturing metrology for c-Si module reliability and durability Part III: Module manufacturing. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 992-1016.	16.4	59
6	Fuel Cell Vehicles as Back-Up Power Options. <i>Electrochemical Society Interface</i> , 2015, 24, 57-60.	0.4	1
7	Determining Vanadium Concentrations Using the UV-Vis Response Method. <i>Journal of the Electrochemical Society</i> , 2015, 162, A608-A613.	2.9	58
8	Identification of potential locations of electric vehicle supply equipment. <i>Journal of Power Sources</i> , 2015, 299, 76-84.	7.8	44
9	A review of manufacturing metrology for improved reliability of silicon photovoltaic modules. , 2014, , .		2
10	Pareto analysis of critical challenges for emerging manufacturing technologies in silicon photovoltaics. <i>Solar Energy</i> , 2014, 107, 681-691.	6.1	8
11	Decreasing Membrane Degradation through Heteropolyacid Sub-layers. <i>Journal of the Electrochemical Society</i> , 2013, 160, F75-F80.	2.9	5
12	The degradation mitigation effect of cerium oxide in polymer electrolyte membranes in extended fuel cell durability tests. <i>Journal of Power Sources</i> , 2013, 225, 75-83.	7.8	92
13	Rigid-Rod Poly(phenylenesulfonic acid) Proton Exchange Membranes with Cross-Linkable Biphenyl Groups for Fuel Cell Applications. <i>Macromolecules</i> , 2013, 46, 422-433.	4.8	85
14	Perfluorinated Sulfonic Acid Membrane and Membrane Electrode Assembly Degradation Correlating Accelerated Stress Testing and Lifetime Testing. <i>ECS Transactions</i> , 2013, 58, 129-148.	0.5	32
15	Comparison of Proton Exchange Membranes Degradation Rates between Accelerated and Performance Tests. <i>Journal of the Electrochemical Society</i> , 2012, 159, F338-F352.	2.9	13
16	Influence of trace oxygen in low-crossover proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2012, 218, 181-186.	7.8	8
17	Low equivalent weight Friedel-Crafts cross-linked sulfonated poly(ether ether ketone). <i>Journal of Membrane Science</i> , 2011, 376, 290-301.	8.2	20
18	Composite Polymer Electrolyte Membranes Based on Stabilized Phosphotungstic Acid and Sulfonated Poly(etheretherketone) for Fuel Cell Applications. <i>Journal of the Electrochemical Society</i> , 2010, 157, B1095.	2.9	10

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19	Effects of Silicotungstic Acid Addition to the Electrodes of Polymer Electrolyte Membrane Fuel Cells. Journal of the Electrochemical Society, 2009, 156, B1317.	2.9	15
20	Enhanced PEMFC Performance and Durability at 120{degree sign}C and Low Relative Humidity Using Heteropolyacids. ECS Transactions, 2009, 25, 423-432.	0.5	0
21	Enhanced PEMFC Cathode Kinetics at 120{degree sign}C and Low Relative Humidity Using Heteropolyacid Additives. ECS Transactions, 2008, 13, 31-39.	0.5	1