

Mathias Schulze

List of Publications by Year in descending order

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16
papers

205
citations

1684188

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h-index

1125743

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17
all docs

17
docs citations

17
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of reversible and irreversible degradation rates of polymer electrolyte membrane fuel cells tested in automotive conditions. Journal of Power Sources, 2016, 327, 86-95.	7.8	74
2	Degradation of a PEM fuel cell stack with Nafion® membranes of different thicknesses. Part II: Ex situ diagnosis. Journal of Power Sources, 2012, 205, 324-334.	7.8	74
3	Atomic force microscopy and infrared analysis of aging processes of polymer electrolyte membrane fuel cell components. Journal of Electroanalytical Chemistry, 2011, 662, 240-250.	3.8	11
4	Local In-Situ Analysis of PEM Fuel Cells by Impedance Spectroscopy and Raman Measurements. ECS Transactions, 2011, 30, 65-76.	0.5	3
5	Analysis of Aged Polymer Electrolyte Fuel Cell (PEFC) Components by Non Traditional Methods. ECS Transactions, 2011, 35, 259-269.	0.5	1
6	Analytical Investigation of Fuel Cells by Using <i>In Situ</i> and <i>Ex Situ</i> Diagnostic Methods. Materials Science Forum, 2010, 638-642, 1125-1130.	0.3	0
7	Investigation of Local Degradation Effects. ECS Transactions, 2010, 26, 237-245.	0.5	2
8	Atomic Force Microscopy Investigation of Polymer Fuel Cell Gas Diffusion Layers before and after Operation. ECS Transactions, 2010, 28, 79-84.	0.5	5
9	Nanoscale Investigation of Nafion Membranes after Artificial Degradation. ECS Transactions, 2009, 25, 395-403.	0.5	3
10	In-Situ Diagnostics of PEFCs. , 2009, , .		0
11	Low Pressure Test Facility for Polymer Electrolyte Membrane Fuel Cells and First Measurements. ECS Transactions, 2008, 12, 187-197.	0.5	1
12	Relations of Water Management and Degradation Processes in PEFC. ECS Transactions, 2008, 12, 101-111.	0.5	7
13	Detection of Leakages by Current Density Measurements. ECS Transactions, 2008, 12, 177-185.	0.5	0
14	Diagnostic Tools for In-situ and Ex-situ Investigations of Fuel Cells and Components at the German Aerospace Center. ECS Transactions, 2007, 5, 49-60.	0.5	4
15	Surface Science Study on the Stability of Various Catalyst Materials for DMFC. ECS Transactions, 2007, 5, 95-106.	0.5	1
16	New dry preparation technique for membrane electrode assemblies for PEM fuel cells. Fuel Cells Bulletin, 1999, 2, 8-12.	0.1	18