

Michael Adamski

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

463
citations

687220

13
h-index

839398

18
g-index

19
all docs

19
docs citations

19
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stable, Low Gas Crossover, Proton-Conducting Phenylated Polyphenylenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9058-9061.	7.2	83
2	Stability of Hydrocarbon Fuel Cell Membranes: Reaction of Hydroxyl Radicals with Sulfonated Phenylated Polyphenylenes. <i>Chemistry of Materials</i> , 2019, 31, 1441-1449.	3.2	42
3	On the evolution of sulfonated polyphenylenes as proton exchange membranes for fuel cells. <i>Materials Advances</i> , 2021, 2, 4966-5005.	2.6	41
4	Sulfophenylated Terphenylene Copolymer Membranes and Ionomers. <i>ChemSusChem</i> , 2018, 11, 4033-4043.	3.6	39
5	Sulfo-Phenylated Polyphenylenes Containing Sterically Hindered Pyridines. <i>Macromolecules</i> , 2019, 52, 2548-2559.	2.2	36
6	Hydrocarbon-based Pemionâ„¢ proton exchange membrane fuel cells with state-of-the-art performance. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3687-3699.	2.5	34
7	Molecular branching as a simple approach to improving polymer electrolyte membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117539.	4.1	33
8	Structure-Property Relationships in Sterically Congested Proton-Conducting Poly(phenylene)s: the Impact of Biphenyl Linearity. <i>Macromolecules</i> , 2020, 53, 3119-3138.	2.2	26
9	Highly Stable, Low Gas Crossover, Proton-Conducting Phenylated Polyphenylenes. <i>Angewandte Chemie</i> , 2017, 129, 9186-9189.	1.6	24
10	Electrochemical Characterization of Hydrocarbon Bipolar Membranes with Varying Junction Morphology. <i>ACS Applied Energy Materials</i> , 2019, 2, 6817-6824.	2.5	22
11	Does power ultrasound affect Nafion® dispersions?. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104758.	3.8	22
12	Microwave-assisted Diels-Alder polycondensation of proton conducting poly(phenylene)s. <i>Polymer Chemistry</i> , 2019, 10, 1668-1685.	1.9	18
13	Communication-Non-Fluorous, Hydrocarbon PEMFCs, Generating > 1 W cm ⁻² Power. <i>Journal of the Electrochemical Society</i> , 2020, 167, 084502.	1.3	14
14	Water transport through hydrocarbon-based proton exchange membranes. <i>Journal of Membrane Science</i> , 2020, 610, 118276.	4.1	9
15	Effect of steric constraints on the physico-electrochemical properties of sulfonated polyaromatic copolymers. <i>Polymer International</i> , 2021, 70, 96-106.	1.6	6
16	Does power ultrasound affect hydrocarbon Ionomers?. <i>Ultrasonics Sonochemistry</i> , 2021, 75, 105588.	3.8	6
17	Understanding the role of acid-base interactions using architecturally-controlled, pyridyl-bearing sulfonated phenylated polyphenylenes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23866-23883.	5.2	5
18	Nonconformal Particles of Hyperbranched Sulfonated Phenylated Poly(phenylene) Ionomers as Proton-Conducting Pathways in Proton Exchange Membrane Fuel Cell Catalyst Layers. <i>ACS Energy Letters</i> , 2022, 7, 2070-2078.	8.8	3

#	ARTICLE	IF	CITATIONS
19	How Electrochemical Impedance Spectroscopy Helps Drive Innovation in Fully Hydrocarbon, Reinforced Polymer Electrolyte Membranes. ECS Meeting Abstracts, 2022, MA2022-01, 1405-1405.	0.0	0