

# Mahlon S Wilson

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

5,206  
citations

706676

14  
h-index

685536

24  
g-index

37  
all docs

37  
docs citations

37  
times ranked

6090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorsâ€™ Choiceâ€™ Diffusion Media for Cation Contaminant Transport Suppression into Fuel Cell Electrodes. Journal of the Electrochemical Society, 2021, 168, 024501.	1.3	4
2	Imaging and Modeling of Passive Water Management in a Miniature Fuel Cell. ECS Transactions, 2019, 92, 395-409.	0.3	0
3	Imaging and Modeling of Passive Water Management in a Miniature Fuel Cell. ECS Meeting Abstracts, 2019, , .	0.0	0
4	Intermediate temperature fuel cells <i>via</i> an ion-pair coordinated polymer electrolyte. Energy and Environmental Science, 2018, 11, 979-987.	15.6	67
5	Microwatt Fuel Cell for Long-Term and Wide Ambient Temperature Range Operation. ECS Transactions, 2018, 86, 233-244.	0.3	0
6	Microwatt Fuel Cell for Long-Term and Wide Ambient Temperature Range Operation. ECS Meeting Abstracts, 2018, , .	0.0	0
7	CVD Catalyzed PEM Fuel Cell and Electrolyzer Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
8	Durability of Long-Life Low Power Fuel Cells. ECS Meeting Abstracts, 2018, , .	0.0	0
9	Intragranular Phase Proton Conduction in Crystalline Sn <sub>1-x</sub> In <sub>x</sub> P <sub>2</sub> O <sub>7</sub> ( <i>x</i> = 0 and 0.1). Journal of Physical Chemistry C, 2017, 121, 23896-23905.	1.5	15
10	Determining Water Content and Distribution in PEMFCs to Predict Aging While in Storage. ECS Transactions, 2017, 80, 377-384.	0.3	0
11	Carbonaceous Nanowire Supports for Polymer Electrolyte Membrane Fuel Cells. Journal of the Electrochemical Society, 2016, 163, F115-F121.	1.3	0
12	UVâ€‘visible spectroscopy method for screening the chemical stability of potential antioxidants for proton exchange membrane fuel cells. Journal of Power Sources, 2015, 281, 238-242.	4.0	18
13	Effect of CeOx Crystallite Size on the Chemical Stability of CeOx Nanoparticles. Journal of the Electrochemical Society, 2014, 161, F1075-F1080.	1.3	35
14	Synthesis of sub-2 nm ceria crystallites in carbon matrixes by simple pyrolysis of ion-exchange resins. Journal of Materials Chemistry, 2011, 21, 7418.	6.7	12
15	Electrochemical Studies of Novel Pt/Ceria/C Oxygen Reduction Catalysts for Fuel Cells. ECS Transactions, 2011, 41, 2341-2348.	0.3	2
16	Mixed Hydrocarbon/Fluoropolymer Membrane/Ionomer MEAs for Durability Studies. ECS Transactions, 2010, 33, 913-924.	0.3	8
17	Electrochemical Synthesis of Oxygen Reduction Catalysts Based on Pt Coated Polypyrrole Nanowires Using Starch as Template Molecule. ECS Transactions, 2010, 33, 13-19.	0.3	3
18	Methanol decomposition fuel processor for portable power applications. International Journal of Hydrogen Energy, 2009, 34, 2955-2964.	3.8	42

#	ARTICLE	IF	CITATIONS
19	The Effect of Electrode Ink Processing and Composition on Catalyst Utilization. ECS Transactions, 2007, 11, 383-391.	0.3	14
20	Spontaneous Deposition of Noble Metal Films onto Hexaboride Surfaces. Journal of the Electrochemical Society, 2007, 154, D623.	1.3	3
21	Scientific Aspects of Polymer Electrolyte Fuel Cell Durability and Degradation. Chemical Reviews, 2007, 107, 3904-3951.	23.0	2,976
22	Hexaboride Ceramics as PEMFC Electrode Catalysts Supports. ECS Transactions, 2006, 3, 319-327.	0.3	2
23	Further refinements in the segmented cell approach to diagnosing performance in polymer electrolyte fuel cells. Journal of Power Sources, 2003, 123, 163-171.	4.0	105
24	Low-cost composite materials for PEFC bipolar plates. Fuel Cells Bulletin, 1999, 2, 6-8.	0.7	21
25	Development of Composite Materials for Pefc bipolar Plates. Materials Research Society Symposia Proceedings, 1999, 575, 247.	0.1	15
26	High Performance Direct Methanol Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 1996, 143, L12-L15.	1.3	540
27	Low platinum loading electrodes for polymer electrolyte fuel cells fabricated using thermoplastic ionomers. Electrochimica Acta, 1995, 40, 355-363.	2.6	431
28	Thin-layer composite enzyme electrodes for glucose determinations. Electroanalysis, 1995, 7, 1035-1040.	1.5	7
29	Surface Area Loss of Supported Platinum in Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 1993, 140, 2872-2877.	1.3	379
30	High Performance Catalyzed Membranes of Ultra-low Pt Loadings for Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 1992, 139, L28-L30.	1.3	478
31	Comparison between the geometric and harmonic mean electronegativity equilibration techniques. The Journal of Physical Chemistry, 1989, 93, 3087-3089.	2.9	23
32	Sample transfer system for surface studies in wide pressure range ( $10^{-7}$ – $10^6$ Pa). Review of Scientific Instruments, 1987, 58, 317-319.	0.6	6