

# Matthew T Meredith

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,012  
citations

566801

15  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lessons Learned from a Delayed Exothermic Decompositionâ€™Amine Neutralizations with Strong, Oxidizing Acids. <i>Journal of Chemical Health and Safety</i> , 2022, 29, 72-78.	1.1	1
2	Evaluating the Adhesion of New Spreader-Sticker Adjuvants. , 2015, , 1-10.		0
3	Towards the Design of an Acetone Breath Biosensor. <i>ECS Transactions</i> , 2013, 45, 1-17.	0.3	3
4	Effects of ferrocene methylation on ferrocene-modified linear poly(ethylenimine) bioanodes. <i>Electrochimica Acta</i> , 2013, 92, 226-235.	2.6	26
5	Direct electron transfer-based bioanodes for ethanol biofuel cells using PQQ-dependent alcohol and aldehyde dehydrogenases. <i>Electrochimica Acta</i> , 2013, 87, 323-329.	2.6	46
6	Ion exchange voltammetry at branched polyethylenimine cross-linked with ethylene glycol diglycidyl ether and sensitive determination of ascorbic acid. <i>Electrochimica Acta</i> , 2013, 105, 31-39.	2.6	17
7	Employing Methylene Green Coated Carbon Nanotube Electrodes to Enhance NADH Electrocatalysis for Use in an Ethanol Biofuel Cell. <i>Electroanalysis</i> , 2013, 25, 2394-2402.	1.5	13
8	High Performance Glucose/O <sub>2</sub> Biofuel Cell: Effect of Utilizing Purified Laccase with Anthracene-Modified Multi-Walled Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2012, 159, G166-G170.	1.3	31
9	Hydrophobic Salt-modified Nafion for Enzyme Immobilization and Stabilization. <i>Journal of Visualized Experiments</i> , 2012, , e3949.	0.2	13
10	Bioelectrocatalytic Oxidation of Glucose in CNT Impregnated Hydrogels: Advantages of Synthetic Enzymatic Metabolon Formation. <i>ACS Catalysis</i> , 2012, 2, 17-25.	5.5	37
11	Biofuel Cells: Enhanced Enzymatic Bioelectrocatalysis. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 157-179.	2.8	190
12	Enzymatic biofuel cells utilizing a biomimetic cofactor. <i>Chemical Communications</i> , 2012, 48, 1898.	2.2	85
13	Nicotinamide Adenine Dinucleotide Oxidation Studies at Multiwalled Carbon Nanotube/Polymer Composite Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2012, 24, 1011-1018.	1.5	9
14	Azine/hydrogel/nanotube composite-modified electrodes for NADH catalysis and enzyme immobilization. <i>Electrochimica Acta</i> , 2012, 72, 207-214.	2.6	39
15	Inhibition and Activation of Glucose Oxidase Bioanodes for Use in a Self-Powered EDTA Sensor. <i>Analytical Chemistry</i> , 2011, 83, 5436-5441.	3.2	57
16	Anthracene-Modified Multi-Walled Carbon Nanotubes as Direct Electron Transfer Scaffolds for Enzymatic Oxygen Reduction. <i>ACS Catalysis</i> , 2011, 1, 1683-1690.	5.5	175
17	High Current Density Ferrocene-Modified Linear Poly(ethylenimine) Bioanodes and Their Use in Biofuel Cells. <i>Journal of the Electrochemical Society</i> , 2011, 158, B166.	1.3	79
18	Bifunctional polyamines for the aqueous dispersion of carbon nanotubes and the formation of carbon nanotube-impregnated hydrogel composites. <i>MRS Communications</i> , 2011, 1, 37-40.	0.8	18

#	ARTICLE	IF	CITATIONS
19	Effect of Mediator Spacing on Electrochemical and Enzymatic Response of Ferrocene Redox Polymers. Journal of Physical Chemistry C, 2010, 114, 11627-11634.	1.5	65
20	High-Sensitivity Amperometric Biosensors Based on Ferrocene-Modified Linear Poly(ethylenimine). Langmuir, 2009, 25, 7736-7742.	1.6	84
21	Nanocomposite Hydrogen-Bonded Multilayer Ultrathin Films by Simultaneous Sexithiophene and Au Nanoparticle Formation. Chemistry of Materials, 2004, 16, 5063-5070.	3.2	24