

Matthew T Meredith

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,012
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuel Cells: Enhanced Enzymatic Bioelectrocatalysis. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 157-179.	5.4	190
2	Anthracene-Modified Multi-Walled Carbon Nanotubes as Direct Electron Transfer Scaffolds for Enzymatic Oxygen Reduction. <i>ACS Catalysis</i> , 2011, 1, 1683-1690.	11.2	175
3	Enzymatic biofuel cells utilizing a biomimetic cofactor. <i>Chemical Communications</i> , 2012, 48, 1898.	4.1	85
4	High-Sensitivity Amperometric Biosensors Based on Ferrocene-Modified Linear Poly(ethylenimine). <i>Langmuir</i> , 2009, 25, 7736-7742.	3.5	84
5	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.	2.9	79
6	Effect of Mediator Spacing on Electrochemical and Enzymatic Response of Ferrocene Redox Polymers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11627-11634.	3.1	65
7	Inhibition and Activation of Glucose Oxidase Bioanodes for Use in a Self-Powered EDTA Sensor. <i>Analytical Chemistry</i> , 2011, 83, 5436-5441.	6.5	57
8	Direct electron transfer-based bioanodes for ethanol biofuel cells using PQQ-dependent alcohol and aldehyde dehydrogenases. <i>Electrochimica Acta</i> , 2013, 87, 323-329.	5.2	46
9	Azine/hydrogel/nanotube composite-modified electrodes for NADH catalysis and enzyme immobilization. <i>Electrochimica Acta</i> , 2012, 72, 207-214.	5.2	39
10	Bioelectrocatalytic Oxidation of Glucose in CNT Impregnated Hydrogels: Advantages of Synthetic Enzymatic Metabolon Formation. <i>ACS Catalysis</i> , 2012, 2, 17-25.	11.2	37
11	High Performance Glucose/O ₂ 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.	2.9	31
12	Effects of ferrocene methylation on ferrocene-modified linear poly(ethylenimine) bioanodes. <i>Electrochimica Acta</i> , 2013, 92, 226-235.	5.2	26
13	Nanocomposite Hydrogen-Bonded Multilayer Ultrathin Films by Simultaneous Sexithiophene and Au Nanoparticle Formation. <i>Chemistry of Materials</i> , 2004, 16, 5063-5070.	6.7	24
14	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.	1.8	18
15	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.	5.2	17
16	Hydrophobic Salt-modified Nafion for Enzyme Immobilization and Stabilization. <i>Journal of Visualized Experiments</i> , 2012, , e3949.	0.3	13
17	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.	2.9	13
18	Nicotinamide Adenine Dinucleotide Oxidation Studies at Multiwalled Carbon Nanotube/Polymer Composite Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2012, 24, 1011-1018.	2.9	9

#	ARTICLE	IF	CITATIONS
19	Towards the Design of an Acetone Breath Biosensor. ECS Transactions, 2013, 45, 1-17.	0.5	3
20	Lessons Learned from a Delayed Exothermic Decompositionâ€™Amine Neutralizations with Strong, Oxidizing Acids. Journal of Chemical Health and Safety, 2022, 29, 72-78.	2.1	1
21	Evaluating the Adhesion of New Spreader-Sticker Adjuvants. , 2015, , 1-10.		0