Dodzi Zigah

List of Publications by Year
in descending order

38 papers	1,581 citations	331642 21 h-index	315719 38 g-index
40 all docs	40 docs citations	40 times ranked	1987 citing authors

#	Article	IF	Citations
1	Bipolar (Bio)electroanalysis. Annual Review of Analytical Chemistry, 2021, 14, 65-86.	5.4	34
2	Electrosynthesis of gradient TiO2 nanotubes and rapid screening using scanning photoelectrochemical microscopy. Sustainable Energy and Fuels, 2020, 4, 1099-1104.	4.9	4
3	Highly defective carbon nanotubes for sensitive, low-cost and environmentally friendly electrochemical H2O2 sensors: Insight into carbon supports. Carbon, 2020, 170, 154-164.	10.3	13
4	Asymmetric Modification of Carbon Nanotube Arrays with Thermoresponsive Hydrogel for Controlled Delivery. ACS Applied Materials & Interfaces, 2020, 12, 23378-23387.	8.0	10
5	Dual microelectrodes decorated with nanotip arrays: Fabrication, characterization and spectroelectrochemical sensing. Electrochimica Acta, 2019, 328, 135105.	5.2	6
6	Microâ€•and Nanoscopic Imaging of Enzymatic Electrodes: A Review. ChemElectroChem, 2019, 6, 5524-5546.	3.4	15
7	Microwell array integrating nanoelectrodes for coupled opto-electrochemical monitorings of single mitochondria. Biosensors and Bioelectronics, 2019, 126, 672-678.	10.1	13
8	Biredox ionic liquids: new opportunities toward high performance supercapacitors. Faraday Discussions, 2018, 206, 393-404.	3.2	33
9	Scanning Electrochemical Microscopy: A New Tool for Studying Enzymatic Reactions. , 2017, , 599-625.		0
10	Biredox ionic liquids with solid-like redox density in the liquid state for high-energy supercapacitors. Nature Materials, 2017, 16, 446-453.	27.5	303
11	Bipolar Electrografting on the Inner Wall of Carbon Nanotubes. ChemElectroChem, 2016, 3, 410-414.	3.4	16
12	Singleâ€Step Screening of the Potential Dependence of Metal Layer Morphologies along Bipolar Electrodes. ChemElectroChem, 2016, 3, 387-391.	3.4	18
13	Original Dual Microelectrode: Writing and Reading a local click reaction with Scanning Electrochemical Microscopy. Electrochimica Acta, 2016, 201, 274-278.	5.2	9
14	Wireless Synthesis and Activation of Electrochemiluminescent Thermoresponsive Janus Objects Using Bipolar Electrochemistry. Langmuir, 2016, 32, 12995-13002.	3.5	29
15	Combined local anodization of titanium and scanning photoelectrochemical mapping of TiO2 spot arrays. Electrochimica Acta, 2016, 222, 84-91.	5.2	9
16	One-step preparation of bifunctionalized surfaces by bipolar electrografting. RSC Advances, 2016, 6, 3882-3887.	3.6	23
17	Generation of metal composition gradients by means of bipolar electrodeposition. Electrochimica Acta, 2015, 179, 276-281.	5.2	50
18	The EChemPen: A Guiding Hand To Learn Electrochemical Surface Modifications. Journal of Chemical Education, 2015, 92, 1700-1704.	2.3	6

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19	Lighting Up Redox Propulsion with Luminol Electrogenerated Chemiluminescence. ChemElectroChem, 2014, 1, 95-98.	3.4	41
20	Straight-forward synthesis of ringed particles. Chemical Science, 2014, 5, 1961.	7.4	33
21	Electropolymerization of Polypyrrole by Bipolar Electrochemistry in an Ionic Liquid. Langmuir, 2014, 30, 2973-2976.	3.5	27
22	Wireless Electrografting of Molecular Layers for Janus Particle Synthesis. Chemistry - A European Journal, 2013, 19, 1577-1580.	3.3	31
23	Chemiluminescence from Asymmetric Inorganic Surface Layers Generated by Bipolar Electrochemistry. ChemPhysChem, 2013, 14, 2089-2093.	2.1	15
24	Bipolar Electrochemistry: From Materials Science to Motion and Beyond. Accounts of Chemical Research, 2013, 46, 2513-2523.	15.6	325
25	Electrokinetic Assembly of One-Dimensional Nanoparticle Chains with Cucurbit[7]uril Controlled Subnanometer Junctions. Nano Letters, 2013, 13, 6016-6022.	9.1	36
26	Quantification of photoelectrogenerated hydroxyl radical on TiO2 by surface interrogation scanning electrochemical microscopy. Physical Chemistry Chemical Physics, 2012, 14, 12764.	2.8	78
27	Tuning the Electronic Communication between Redox Centers Bound to Insulating Surfaces. Angewandte Chemie - International Edition, 2010, 49, 3157-3160.	13.8	59
28	Synthesis and Immobilization of Ag0 Nanoparticles on Diazonium Modified Electrodes: SECM and Cyclic Voltammetry Studies of the Modified Interfaces. Langmuir, 2010, 26, 7638-7643.	3.5	29
29	Charge Transfer between Electroactive Species Immobilized on Carbon Surfaces by Aryl Diazonium Reduction. SECM Investigations. Journal of Physical Chemistry C, 2010, 114, 3075-3081.	3.1	23
30	Covalent immobilization and SECM analysis in feedback mode of glucose oxidase on a modified oxidized silicon surface. Journal of Electroanalytical Chemistry, 2009, 628, 144-147.	3.8	11
31	Electron-transfer mediation on poly-aryl dendrimer-modified electrodes. Electrochemistry Communications, 2009, 11, 1703-1706.	4.7	10
32	Diffusion of Molecules in Ionic Liquids/Organic Solvent Mixtures. Example of the Reversible Reduction of O₂ to Superoxide. Journal of Physical Chemistry B, 2009, 113, 2019-2023.	2.6	47
33	Flexible Strategy for Immobilizing Redox-Active Compounds Using in Situ Generation of Diazonium Salts. Investigations of the Blocking and Catalytic Properties of the Layers. Langmuir, 2009, 25, 12742-12749.	3.5	40
34	Optimized Preparation and Scanning Electrochemical Microscopy Analysis in Feedback Mode of Glucose Oxidase Layers Grafted onto Conducting Carbon Surfaces. Langmuir, 2008, 24, 9089-9095.	3.5	31
35	Variations of Diffusion Coefficients of Redox Active Molecules in Room Temperature Ionic Liquids upon Electron Transfer. Journal of Physical Chemistry B, 2008, 112, 14952-14958.	2.6	50
36	Atomic Contacts via Electrochemistry in Water/Cyclodextrin Media: A Step Toward Protected Atomic Contacts. Journal of the American Chemical Society, 2008, 130, 13465-13470.	13.7	24

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37	Covalent Assembly and Micropatterning of Functionalized Multiwalled Carbon Nanotubes to Monolayer-Modified Si(111) Surfaces. Langmuir, 2008, 24, 6595-6602.	3.5	54
38	SECM imaging of micropatterned organic films on carbon surfaces. Electrochemistry Communications, 2007, 9, 2387-2392.	4.7	11