

Dodzi Zigah

List of Publications by Year in descending order

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38
papers

1,581
citations

331670

21
h-index

315739

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 TiO ₂ 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 H ₂ O ₂ 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	Micro- 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	Single-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 TiO ₂ 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

#	ARTICLE	IF	CITATIONS
19	Lighting Up Redox Propulsion with Luminol Electrogenerated Chemiluminescence. <i>ChemElectroChem</i> , 2014, 1, 95-98.	3.4	41
20	Straight-forward synthesis of ringed particles. <i>Chemical Science</i> , 2014, 5, 1961.	7.4	33
21	Electropolymerization of Polypyrrole by Bipolar Electrochemistry in an Ionic Liquid. <i>Langmuir</i> , 2014, 30, 2973-2976.	3.5	27
22	Wireless Electrografting of Molecular Layers for Janus Particle Synthesis. <i>Chemistry - A European Journal</i> , 2013, 19, 1577-1580.	3.3	31
23	Chemiluminescence from Asymmetric Inorganic Surface Layers Generated by Bipolar Electrochemistry. <i>ChemPhysChem</i> , 2013, 14, 2089-2093.	2.1	15
24	Bipolar Electrochemistry: From Materials Science to Motion and Beyond. <i>Accounts of Chemical Research</i> , 2013, 46, 2513-2523.	15.6	325
25	Electrokinetic Assembly of One-Dimensional Nanoparticle Chains with Cucurbit[7]uril Controlled Subnanometer Junctions. <i>Nano Letters</i> , 2013, 13, 6016-6022.	9.1	36
26	Quantification of photoelectrogenerated hydroxyl radical on TiO ₂ by surface interrogation scanning electrochemical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12764.	2.8	78
27	Tuning the Electronic Communication between Redox Centers Bound to Insulating Surfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3157-3160.	13.8	59
28	Synthesis and Immobilization of Ag ₀ Nanoparticles on Diazonium Modified Electrodes: SECM and Cyclic Voltammetry Studies of the Modified Interfaces. <i>Langmuir</i> , 2010, 26, 7638-7643.	3.5	29
29	Charge Transfer between Electroactive Species Immobilized on Carbon Surfaces by Aryl Diazonium Reduction. SECM Investigations. <i>Journal of Physical Chemistry C</i> , 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. <i>Journal of Electroanalytical Chemistry</i> , 2009, 628, 144-147.	3.8	11
31	Electron-transfer mediation on poly-aryl dendrimer-modified electrodes. <i>Electrochemistry Communications</i> , 2009, 11, 1703-1706.	4.7	10
32	Diffusion of Molecules in Ionic Liquids/Organic Solvent Mixtures. Example of the Reversible Reduction of O ₂ to Superoxide. <i>Journal of Physical Chemistry B</i> , 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. <i>Langmuir</i> , 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. <i>Langmuir</i> , 2008, 24, 9089-9095.	3.5	31
35	Variations of Diffusion Coefficients of Redox Active Molecules in Room Temperature Ionic Liquids upon Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14952-14958.	2.6	50
36	Atomic Contacts via Electrochemistry in Water/Cyclodextrin Media: A Step Toward Protected Atomic Contacts. <i>Journal of the American Chemical Society</i> , 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. <i>Langmuir</i> , 2008, 24, 6595-6602.	3.5	54
38	SECM imaging of micropatterned organic films on carbon surfaces. <i>Electrochemistry Communications</i> , 2007, 9, 2387-2392.	4.7	11