

Hyacinthe Randriamahazaka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6346561/publications.pdf>

Version: 2024-02-01

46
papers

1,698
citations

304743

22
h-index

276875

41
g-index

46
all docs

46
docs citations

46
times ranked

2693
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry of bi-redox ionic liquid from solution to bi-functional carbon surface. <i>Electrochimica Acta</i> , 2020, 354, 136689.	5.2	5
2	Electron Storage System Based on a Two-Way Inversion of Redox Potentials. <i>Journal of the American Chemical Society</i> , 2020, 142, 5162-5176.	13.7	17
3	Recent Advances in the Development of Organic and Organometallic Redox Shuttles for Lithium-Ion Redox Flow Batteries. <i>ChemSusChem</i> , 2020, 13, 2142-2159.	6.8	22
4	Local electrochemical reactivity of single layer graphene deposited on flexible and transparent plastic film using scanning electrochemical microscopy. <i>Carbon</i> , 2018, 130, 566-573.	10.3	5
5	Electrochemical synthesis and the functionalization of few layer graphene in ionic liquid and redox ionic liquid. <i>Science China Chemistry</i> , 2018, 61, 598-603.	8.2	4
6	Towards Understanding the Solvent-Dynamic Control of the Transport and Heterogeneous Electron-Transfer Processes in Ionic Liquids. <i>ChemPhysChem</i> , 2017, 18, 415-426.	2.1	3
7	Nernstian-Potential-Driven Redox-Targeting Reactions of Battery Materials. <i>CheM</i> , 2017, 3, 1036-1049.	11.7	73
8	Redox monomer ionic liquid based on quaternary ammonium: From electrochemistry to polymer brushes. <i>Electrochemistry Communications</i> , 2017, 82, 25-29.	4.7	12
9	Electroactuators: from understanding to micro-robotics and energy conversion: general discussion. <i>Faraday Discussions</i> , 2017, 199, 525-545.	3.2	2
10	Seamlessly Conductive 3D Nanoarchitecture of Core-Shell Ni-Co Nanowire Network for Highly Efficient Oxygen Evolution. <i>Advanced Energy Materials</i> , 2017, 7, 1601492.	19.5	260
11	Surface and Electrochemical Properties of Polymer Brush-Based Redox Poly(Ionic Liquid). <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28316-28324.	8.0	48
12	Electrografting and Controlled Surface Functionalization of Carbon Based Surfaces for Electroanalysis. <i>Electroanalysis</i> , 2016, 28, 13-26.	2.9	45
13	Multifunctional Indium Tin Oxide Electrode Generated by Unusual Surface Modification. <i>Scientific Reports</i> , 2016, 6, 36708.	3.3	25
14	Surface functionalization with redox active molecule-based imidazolium via click chemistry. <i>Electrochemistry Communications</i> , 2016, 70, 13-17.	4.7	8
15	Platinum/poly(N-ferrocenylmethyl-N-allylimidazolium bromide) quasi-reference electrode for electrochemistry in non-aqueous and ionic liquid solutions. <i>Electrochemistry Communications</i> , 2016, 73, 5-9.	4.7	6
16	Surface Initiated Immobilization of Molecules Contained in an Ionic Liquid Framework. <i>Analytical Chemistry</i> , 2016, 88, 1017-1021.	6.5	12
17	Surface functionalization of ferrocene based ionic liquid onto carbon surface using stepwise grafting. <i>Journal of Electroanalytical Chemistry</i> , 2014, 713, 28-31.	3.8	8
18	Highly Conductive, Capacitive, Flexible and Soft Electrodes Based on a 3D Graphene-Nanotube-Palladium Hybrid and Conducting Polymer. <i>Small</i> , 2014, 10, 5023-5029.	10.0	12

#	ARTICLE	IF	CITATIONS
19	Electrochemistry of electromechanical actuators based on carbon nanotubes and ionic liquids. , 2013, , ,		2
20	Highly Stable Air Working Bimorph Actuator Based on a Graphene Nanosheet/Carbon Nanotube Hybrid Electrode. <i>Advanced Materials</i> , 2012, 24, 4317-4321.	21.0	125
21	Formation of Metallic Nanowires via Electrochemistry in Aqueous Surfactant Media. <i>Journal of Physical Chemistry C</i> , 2011, 115, 549-553.	3.1	3
22	Master curve for analyzing the electrochemical ageing and memory effects of poly(3,4-ethylenedioxythiophene). <i>Smart Materials and Structures</i> , 2011, 20, 124010.	3.5	15
23	Medium Effects on the Nucleation and Growth Mechanisms during the Redox Switching Dynamics of Conducting Polymers: Case of Poly(3,4-ethylenedioxythiophene). <i>Journal of Physical Chemistry B</i> , 2011, 115, 205-216.	2.6	17
24	Electrochemical Fabrication of Highly Stable Redox-Active Nanojunctions. <i>Analytical Chemistry</i> , 2011, 83, 9709-9714.	6.5	14
25	Electrochemical generation of stable copper nanowires with quantized conductance in DNA media. <i>Electrochemistry Communications</i> , 2011, 13, 272-274.	4.7	5
26	Electrosynthesis of well-organized nanoporous poly(3,4-ethylenedioxythiophene) by nanosphere lithography. <i>Electrochemistry Communications</i> , 2010, 12, 872-875.	4.7	39
27	Electrochemical oxidation of primary amine in ionic liquid media: Formation of organic layer attached to electrode surface. <i>Electrochemistry Communications</i> , 2010, 12, 246-249.	4.7	36
28	Electromechanical Analysis by Means of Complex Capacitance of Bucky-Gel Actuators Based on Single-Walled Carbon Nanotubes and an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17982-17988.	3.1	52
29	Giant Plasmon Resonance Shift Using Poly(3,4-ethylenedioxythiophene) Electrochemical Switching. <i>Journal of the American Chemical Society</i> , 2010, 132, 10224-10226.	13.7	101
30	Host-Guest Complexation: A Convenient Route for the Electroreduction of Diazonium Salts in Aqueous Media and the Formation of Composite Materials. <i>Journal of the American Chemical Society</i> , 2010, 132, 1690-1698.	13.7	36
31	Electrochemical Impedance Spectroscopy and Electromechanical Behavior of Bucky-Gel Actuators Containing Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14627-14634.	3.1	48
32	Ionic Liquid Viscosity Effects on the Functionalization of Electrode Material through the Electroreduction of Diazonium. <i>Langmuir</i> , 2010, 26, 18542-18549.	3.5	62
33	Electrochemical investigation of thin PEDOT film above an insulating substrate using scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , 2009, 11, 2304-2307.	4.7	10
34	Microelectrodes modification through the reduction of aryl diazonium and their use in scanning electrochemical microscopy (SECM). <i>Electrochemistry Communications</i> , 2009, 11, 647-650.	4.7	22
35	Grafting Oligothiophenes on Surfaces by Diazonium Electroreduction: A Step toward Ultrathin Junction with Well-Defined Metal/Oligomer Interface. <i>Journal of the American Chemical Society</i> , 2009, 131, 14920-14927.	13.7	76
36	Formation of negative oxidation states of platinum and gold in redox ionic liquid: Electrochemical evidence. <i>Electrochemistry Communications</i> , 2008, 10, 1205-1209.	4.7	27

#	ARTICLE	IF	CITATIONS
37	Modification of carbon electrode in ionic liquid through the reduction of phenyl diazonium salt. Electrochemical evidence in ionic liquid. <i>Electrochemistry Communications</i> , 2008, 10, 1060-1063.	4.7	47
38	Electrografting Polyaniline on Carbon through the Electroreduction of Diazonium Salts and the Electrochemical Polymerization of Aniline. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16103-16109.	3.1	65
39	Electrochemical Switches Based on Ultrathin Organic Films: From Diode-like Behavior to Charge Transfer Transparency. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18638-18643.	3.1	46
40	Chemical capacitance of nanoporous-nanocrystalline TiO ₂ in a room temperature ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1827-1833.	2.8	99
41	Long-Life Air Working Semi-IPN/Ionic Liquid: New Precursor of Artificial Muscles. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 448, 95/[697]-102/[704].	0.9	15
42	Synthesis and characterization of conducting interpenetrating polymer networks for new actuators. <i>Polymer</i> , 2005, 46, 7771-7778.	3.8	84
43	Inductive behaviour by charge-transfer and relaxation in solid-state electrochemistry. <i>Electrochimica Acta</i> , 2005, 51, 627-640.	5.2	68
44	Effect of surface activation on charge and mass transfer rates of the hexacyanoferrate(III)/(II) redox probe at fibrinogen-modified carbon paste electrodes. <i>Analytica Chimica Acta</i> , 1997, 340, 99-108.	5.4	5
45	Electrochemical activation of human factor XII (Hageman factor) immobilized on carbon electrodes. <i>Analytica Chimica Acta</i> , 1993, 283, 719-726.	5.4	4
46	Potential- and surface-dependent behaviour of thrombin adsorbed on carbon electrodes. <i>Analytica Chimica Acta</i> , 1992, 257, 247-256.	5.4	8