

Renata B Costa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3956216/publications.pdf>

Version: 2024-02-01

26
papers

795
citations

623734

14
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	The electrical double layer at the [BMIM][PF6] ionic liquid/electrode interface – Effect of temperature on the differential capacitance. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 153-160.	3.8	149
2	Differential capacity of a deep eutectic solvent based on choline chloride and glycerol on solid electrodes. <i>Electrochimica Acta</i> , 2009, 54, 2630-2634.	5.2	111
3	Double layer in room temperature ionic liquids: influence of temperature and ionic size on the differential capacitance and electrocapillary curves. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11125.	2.8	73
4	Molecularly imprinted polymer SPE sensor for analysis of CA-125 on serum. <i>Analytica Chimica Acta</i> , 2019, 1082, 126-135.	5.4	71
5	Electrochemical double layer at the interfaces of Hg/choline chloride based solvents. <i>Electrochimica Acta</i> , 2010, 55, 8916-8920.	5.2	61
6	Influence of the anion on the properties of ionic liquid mixtures: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14899-14918.	2.8	40
7	The electrical double layer at the ionic liquid/Au and Pt electrode interface. <i>RSC Advances</i> , 2014, 4, 28914-28921.	3.6	39
8	Charge Storage on Ionic Liquid Electric Double Layer: The Role of the Electrode Material. <i>Electrochimica Acta</i> , 2015, 167, 421-428.	5.2	37
9	Electric double layer studies at the interface of mercury–binary ionic liquid mixtures with a common anion. <i>RSC Advances</i> , 2013, 3, 11697.	3.6	25
10	Interactions in the ionic liquid [EMIM][FAP]: a coupled experimental and computational analysis. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2617-2628.	2.8	25
11	Enhancement of differential double layer capacitance and charge accumulation by tuning the composition of ionic liquids mixtures. <i>Electrochimica Acta</i> , 2018, 261, 214-220.	5.2	23
12	Structural ordering transitions in ionic liquids mixtures. <i>Electrochemistry Communications</i> , 2015, 57, 10-13.	4.7	22
13	Characterization and electrochemical studies of MWCNTs decorated with Ag nanoparticles through pulse reversed current electrodeposition using a deep eutectic solvent for energy storage applications. <i>Journal of Materials Research and Technology</i> , 2021, 15, 342-359.	5.8	20
14	Dicationic Ionic Liquid: Insight in the Electrical Double Layer Structure at mercury, glassy carbon and gold surfaces. <i>Electrochimica Acta</i> , 2014, 116, 306-313.	5.2	15
15	Role of the anion on the Interfacial Structure of Ionic Liquids Binary Mixtures at Mercury Interfaces. <i>Electrochimica Acta</i> , 2016, 195, 150-157.	5.2	12
16	Electrochemical and optical biosensing platforms for the immunorecognition of hazelnut Cor a 14 allergen. <i>Food Chemistry</i> , 2021, 361, 130122.	8.2	12
17	Sustainable Preparation of Nanoporous Carbons via Dry Ball Milling: Electrochemical Studies Using Nanocarbon Composite Electrodes and a Deep Eutectic Solvent as Electrolyte. <i>Nanomaterials</i> , 2021, 11, 3258.	4.1	10
18	Molecularly imprinted polymer as a synthetic antibody for the biorecognition of hazelnut Cor a 14-allergen. <i>Analytica Chimica Acta</i> , 2022, 1191, 339310.	5.4	9

#	ARTICLE	IF	CITATIONS
19	Probing of the Voltammetric Features of Graphite Electrodes Modified with Mercaptoundecanoic Acid Stabilized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2428-2435.	3.1	8
20	Insight on the effect of surface modification by carbon materials on the Ionic Liquid Electric Double Layer Charge Storage properties. <i>Electrochimica Acta</i> , 2015, 176, 880-886.	5.2	8
21	Characterization of Carbon Nanomaterials Dispersions: Can Metal Decoration of MWCNTs Improve Their Physicochemical Properties?. <i>Nanomaterials</i> , 2022, 12, 99.	4.1	8
22	Electrodeposition of Sn and Sn Composites with Carbon Materials Using Choline Chloride-Based Ionic Liquids. <i>Coatings</i> , 2019, 9, 798.	2.6	7
23	Ordering and Nonideality of Airâ€“Ionic Liquid Interfaces in Surface Second Harmonic Generation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3954-3961.	2.6	7
24	Hydrogen Bond Donors Influence on the Electrochemical Performance of Composite Graphene Electrodes/Deep Eutectic Solvents Interface. <i>Electrochem</i> , 2022, 3, 129-142.	3.3	2
25	5. Ionic liquids at electrified interfaces for advanced energy/charge storage applications. , 2019, , 101-128.		1
26	Nanostructured Tin-based Alloys Composites using Deep Eutectic Solvents as Electrolytes. <i>U Porto Journal of Engineering</i> , 2020, 6, 70-85.	0.4	0