

Joaquin Arias-Pardilla

List of Publications by Year in descending order

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31
papers

1,250
citations

430874

18
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic electrochemistry from conducting polymers. A review. <i>Electrochimica Acta</i> , 2012, 84, 112-128.	5.2	269
2	Spectroelectrochemical study of the oxidation of aminophenols on platinum electrode in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 375-383.	3.8	137
3	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 259-268.	2.9	129
4	Study of redox mechanism of poly(o-aminophenol) using in situ techniques: evidence of two redox processes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 576, 139-145.	3.8	95
5	Sensing and Tactile Artificial Muscles from Reactive Materials. <i>Sensors</i> , 2010, 10, 2638-2674.	3.8	89
6	Characterization of the movement of polypyrrole- <i>l</i> -dodecylbenzenesulfonate- <i>l</i> -perchlorate/tape artificial muscles. Faradaic control of reactive artificial molecular motors and muscles. <i>Electrochimica Acta</i> , 2011, 56, 3721-3726.	5.2	68
7	Antiwear performance of ionic liquid+graphene dispersions with anomalous viscosity-temperature behavior. <i>Tribology International</i> , 2018, 122, 200-209.	5.9	41
8	Study of the chemical copolymerization of 2-aminoterephthalic acid and aniline.. <i>European Polymer Journal</i> , 2006, 42, 1521-1532.	5.4	37
9	Synthesis, electropolymerization and oxidation kinetics of an anthraquinone-functionalized poly(3,4-ethylenedioxythiophene). <i>Electrochimica Acta</i> , 2010, 55, 1535-1542.	5.2	33
10	Tuning the electroactivity of conductive polymer at physiological pH. <i>Electrochimica Acta</i> , 2007, 52, 2978-2986.	5.2	32
11	Reduction and Oxidation Doping Kinetics of an Electropolymerized Donor- <i>l</i> -Acceptor Low-Bandgap Conjugated Copolymer. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12777-12784.	2.6	28
12	Surface Coating from Phosphonate Ionic Liquid Electrolyte for the Enhancement of the Tribological Performance of Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10337-10347.	8.0	26
13	Rheological study of new dispersions of carbon nanotubes in the ionic liquid 1-ethyl-3-methylimidazolium dicyanamide. <i>Journal of Molecular Liquids</i> , 2019, 278, 368-375.	4.9	25
14	Synthesis and luminescence of poly(phenylacetylene)s with pendant iridium complexes and carbazole groups. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3744-3757.	2.3	22
15	Self-lubricating, wear resistant protic ionic liquid-epoxy resin. <i>EXPRESS Polymer Letters</i> , 2017, 11, 219-229.	2.1	22
16	Synthesis, electropolymerization and characterization of a cross-linked PEDOT derivative. <i>Journal of Materials Chemistry</i> , 2012, 22, 4944.	6.7	20
17	Spectroelectrochemical study of the oxidation of diamino-phenols on platinum electrodes in acidic medium. <i>Electrochimica Acta</i> , 2005, 50, 5414-5422.	5.2	19
18	Polypyrrole free-standing electrodes sense temperature or current during reaction. <i>Polymer International</i> , 2010, 59, 337-342.	3.1	19

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19	Reactive polymer films. <i>Synthetic Metals</i> , 2010, 160, 425-431.	3.9	18
20	Arsenic species interactions with a porous carbon electrode as determined with an electrochemical quartz crystal microbalance. <i>Electrochimica Acta</i> , 2009, 54, 3996-4004.	5.2	17
21	Epoxy resin coatings modified by ionic liquid. Study of abrasion resistance. <i>EXPRESS Polymer Letters</i> , 2019, 13, 303-310.	2.1	17
22	Effect of temperature on the rheological behavior of a new aqueous liquid crystal bio-lubricant. <i>Journal of Molecular Liquids</i> , 2020, 301, 112406.	4.9	16
23	Self-supported semi-interpenetrating polymer networks as reactive ambient sensors. <i>Journal of Electroanalytical Chemistry</i> , 2011, 652, 37-43.	3.8	15
24	Electropolymerization of naphthaleneamidine monoimide-modified poly(thiophene). <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16513.	2.8	14
25	Electropolymerization and characterization of COOH-functionalized poly(3,4-ethylenedioxythiophene): Ionic exchanges. <i>Electrochimica Acta</i> , 2011, 56, 10238-10245.	5.2	13
26	Protic ammonium bio-based ionic liquid crystal lubricants. <i>Tribology International</i> , 2021, 158, 106917.	5.9	11
27	Ionic Liquids in Surface Protection. , 2015, , 533-561.		7
28	Electrochemical treatment of aluminium alloy 7075 in aqueous solutions of imidazolium phosphonate and phosphate ionic liquids and scratch resistance of the resultant materials. <i>Tribology International</i> , 2017, 113, 65-75.	5.9	6
29	Electrochemical Kinetics in Dense, Reactive and Wet Gels. <i>Biomimicking Reactions and Devices. Molecular Crystals and Liquid Crystals</i> , 2012, 555, 295-305.	0.9	2
30	Simultaneous Smart Actuating-Sensing Devices Based on Conducting Polymers. , 2012, , .		1
31	Ionic Liquids in Surface Protection of Aluminum and Its Alloys. , 2019, , .		0