

Leliz T Arenas

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

972
citations

361045

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454577

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docs citations

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times ranked

1289
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#	ARTICLE	IF	CITATIONS
1	Synthesis and evaluation of new organofunctionalized silica materials obtained by sol-gel methods applied to ethinylestradiol adsorption. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 102, 437.	1.1	0
2	AgNP-decorated SBA-15 for MWCNT Paste Modified Electrode: A Sensor for Simultaneous Voltammetric Determination of Paracetamol and Sulfamethoxazole. <i>Electroanalysis</i> , 2021, 33, 29-37.	1.5	10
3	A novel electrochemical platform based on mesoporous silica/titania and gold nanoparticles for simultaneous determination of norepinephrine and dopamine. <i>Materials Science and Engineering C</i> , 2021, 120, 111646.	3.8	29
4	High performance biocatalyst based on β -D-galactosidase immobilized on mesoporous silica/titania/chitosan material. <i>Food Chemistry</i> , 2021, 359, 129890.	4.2	15
5	Synthesis and characterization of a new ceramic nanomaterial SiO ₂ /NPsSm ₂ O ₃ /C-graphite for the development of electrochemical sensors. <i>Materials Chemistry and Physics</i> , 2020, 243, 122255.	2.0	5
6	MWCNT/zirconia porous composite applied as electrochemical sensor for determination of methyl parathion. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110583.	2.2	39
7	Chitosan-stabilized gold nanoparticles supported on silica/titania magnetic xerogel applied as antibacterial system. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 333-342.	1.1	10
8	Tuning Anatase-Rutile Phase Transition Temperature: TiO ₂ /SiO ₂ Nanoparticles Applied in Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-9.	1.4	17
9	Strategy to control the amount of titania dispersed on SBA-15 surface preserving its porosity, aiming to develop a sensor for electrochemical evaluation of antibiotics. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 203-210.	2.2	13
10	The role silica pore structure plays in the performance of modified carbon paste electrodes. <i>Ionics</i> , 2019, 25, 3259-3268.	1.2	10
11	An Electrochemical Sensor Based On Graphite Electrode Modified With Silica Containing 1-N-Propyl-3-Methylimidazolium Species For Determination Of Ascorbic Acid. <i>Methods and Objects of Chemical Analysis</i> , 2019, Vol. 14, No.1, 5-14.	0.4	5
12	Magnetic silica/titania xerogel applied as electrochemical biosensor for catechol and catecholamines. <i>Electrochimica Acta</i> , 2018, 264, 319-328.	2.6	32
13	Copper Porphyrin Immobilized on MCM-41 Surface by Using Aminopropyl as Coupling Agent and Its Use in Electrochemical Oxygen Determination. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2518-2524.	1.9	5
14	Mesoporous Nb ₂ O ₅ /SiO ₂ material obtained by sol-gel method and applied as adsorbent of crystal violet dye. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 566-578.	1.2	53
15	Pore size effect in the amount of immobilized enzyme for manufacturing carbon ceramic biosensor. <i>Microporous and Mesoporous Materials</i> , 2017, 247, 95-102.	2.2	33
16	Tuning the oxygen vacancy population of cerium oxide (CeO _{2-x} , 0 x ≤ 0.5) nanoparticles. <i>Applied Surface Science</i> , 2017, 422, 1102-1112.	3.1	76
17	Influence of ball milling on textural and morphological properties of TiO ₂ and TiO ₂ /SiO ₂ xerogel powders applied in photoanodes for solar cells. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1731-1741.	1.2	13
18	Mesoporous chitosan/silica hybrid material applied for development of electrochemical sensor for paracetamol in presence of dopamine. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 109-118.	2.2	30

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19	Mesoporous silica xerogel modified with bridged ionic silsesquioxane used to immobilize copper tetrasulfonated phthalocyanine applied to electrochemical determination of dopamine. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2095-2105.	1.2	15
20	TiO ₂ and TiO ₂ /SiO ₂ nanoparticles obtained by sol-gel method and applied on dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 273-281.	1.1	19
21	Ionic silsesquioxane film immobilized on silica applied in the development of carbon paste electrode for determination of methyl parathion. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 282-289.	1.1	15
22	Simultaneous electroanalytical determination of hydroquinone and catechol in the presence of resorcinol at an SiO ₂ /C electrode spin-coated with a thin film of Nb ₂ O ₅ . <i>Analyst</i> , 2013, 138, 315-324.	1.7	55
23	In situ immobilization of nickel(II) phthalocyanine on mesoporous SiO ₂ /C carbon ceramic matrices prepared by the sol-gel method: Use in the simultaneous voltammetric determination of ascorbic acid and dopamine. <i>Electrochimica Acta</i> , 2013, 87, 140-147.	2.6	36
24	Gold nanoparticle/charged silsesquioxane films immobilized onto Al/SiO ₂ surface applied on the electrooxidation of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3703-3713.	1.2	41
25	New promising composite materials useful in the adsorption of Cu(II) in ethanol based on cellulose and cellulose acetate. <i>Cellulose</i> , 2012, 19, 913-923.	2.4	15
26	In situ immobilization of cobalt phthalocyanine on the mesoporous carbon ceramic SiO ₂ /C prepared by the sol-gel process. Evaluation as an electrochemical sensor for oxalic acid. <i>Electrochimica Acta</i> , 2011, 56, 1256-1261.	2.6	32
27	Niobium oxide dispersed on a carbon ceramic matrix, SiO ₂ /C/Nb ₂ O ₅ , used as an electrochemical ascorbic acid sensor. <i>Talanta</i> , 2010, 83, 241-248.	2.9	28
28	Anisotropic self-organization of hybrid silica based xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane chloride group. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 96-102.	5.0	25
29	Brilliant yellow dye immobilized on silica and silica/titania based hybrid xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane: Preparation, characterization and electrochemical properties study. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 273-283.	2.2	31
30	Meldola blue immobilized on a new SiO ₂ /TiO ₂ /graphite composite for electrocatalytic oxidation of NADH. <i>Electrochimica Acta</i> , 2008, 53, 4167-4175.	2.6	56
31	Use of 7-amine-4-azaheptylsilica and 10-amine-4-azadecylsilica xerogels as adsorbent for Pb(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 316, 297-306.	2.3	23
32	Synthesis of silica xerogels with high surface area using acetic acid as catalyst. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 886-890.	0.6	18
33	Use of statistical design of experiments to evaluate the sorption capacity of 1,4-diazoniabicyclo[2.2.2]octane/silica chloride for Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 240-248.	2.3	70
34	A water soluble 3-n-propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride silsesquioxane grafted onto Al/SiO ₂ surface: chromium adsorption study. <i>Eclética Química</i> , 2006, 31, 53-58.	0.2	4
35	Structure and property studies of hybrid xerogels containing bridged positively charged 1,4-diazoniabicyclo[2.2.2]octane dichloride. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 244-250.	5.0	19
36	Dabco/silica sol-gel hybrid material. The influence of the morphology on the CdCl ₂ adsorption capacity. <i>Materials Letters</i> , 2004, 58, 895-898.	1.3	26

#	ARTICLE	IF	CITATIONS
37	3-n-Propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride Silsesquioxane: A New Water Soluble Polymer. Journal of Sol-Gel Science and Technology, 2003, 28, 51-56.	1.1	22
38	3-n-propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride/silica hybrid polymer. A morphologic study in relation to the organic content. Polymer, 2003, 44, 5521-5525.	1.8	23
39	Silica/Titania Graphite Composite Modified with Chitosan and Tyrosinase Employed as a Sensitive Biosensor for Phenolic Compounds. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
40	Magnetic and Mesoporous Silica-Niobia Material as Modifier of Carbon Paste Electrode for p-Nitrophenol Electrochemical Determination. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
41	A METODOLOGIA DE RESOLUÇÃO DE PROBLEMAS: UMA EXPERIÊNCIA PARA O ESTUDO DAS LIGAÇÕES QUÂMICAS. Química Nova, 0, , .	0.3	1
42	Mesoporous structured silica modified with niobium oxide and cobalt hematoporphyrin applied to the simultaneous electrochemical evaluation of oxalic and uric acids. Journal of Sol-Gel Science and Technology, 0, , 1.	1.1	2