## Leliz T Arenas

List of Publications by Year in descending order

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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. Journal of Sol-Gel Science and Technology, 2022, 102, 437.	2.4	0
2	AgNPâ€decorated SBAâ€15 for MWCNT Paste Modified Electrode: A Sensor for Simultaneous Voltammetric Determination of Paracetamol and Sulfamethoxazole. Electroanalysis, 2021, 33, 29-37.	2.9	10
3	A novel electrochemical platform based on mesoporous silica/titania and gold nanoparticles for simultaneous determination of norepinephrine and dopamine. Materials Science and Engineering C, 2021, 120, 111646.	7.3	29
4	High performance biocatalyst based on β-d-galactosidase immobilized on mesoporous silica/titania/chitosan material. Food Chemistry, 2021, 359, 129890.	8.2	15
5	Synthesis and characterization of a new ceramic nanomaterial SiO2/NPsSm2O3/C-graphite for the development of electrochemical sensors. Materials Chemistry and Physics, 2020, 243, 122255.	4.0	5
6	MWCNT/zirconia porous composite applied as electrochemical sensor for determination of methyl parathion. Microporous and Mesoporous Materials, 2020, 309, 110583.	4.4	39
7	Chitosan-stabilized gold nanoparticles supported on silica/titania magnetic xerogel applied as antibacterial system. Journal of Sol-Gel Science and Technology, 2019, 89, 333-342.	2.4	10
8	Tuning Anatase-Rutile Phase Transition Temperature: TiO <sub>2</sub> /SiO <sub>2</sub> Nanoparticles Applied in Dye-Sensitized Solar Cells. International Journal of Photoenergy, 2019, 2019, 1-9.	2.5	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. Microporous and Mesoporous Materials, 2019, 287, 203-210.	4.4	13
10	The role silica pore structure plays in the performance of modified carbon paste electrodes. Ionics, 2019, 25, 3259-3268.	2.4	10
11	An Electrochemical Sensor Based On Graphite Electrode Modified With Silica Containing 1-N-Propyl-3-Methylimidazolium Species For Determination Of Ascorbic Acid. Methods and Objects of Chemical Analysis, 2019, Vol. 14, No.1, 5-14.	0.4	5
12	Magnetic silica/titania xerogel applied as electrochemical biosensor for catechol and catecholamines. Electrochimica Acta, 2018, 264, 319-328.	5.2	32
13	Copper Porphyrin Immobilized on MCM-41 Surface by Using Aminopropyl as Coupling Agent and Its Use in Electrochemical Oxygen Determination. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2518-2524.	3.7	5
14	Mesoporous Nb <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> material obtained by sol–gel method and applied as adsorbent of crystal violet dye. Environmental Technology (United Kingdom), 2017, 38, 566-578.	2.2	53
15	Pore size effect in the amount of immobilized enzyme for manufacturing carbon ceramic biosensor. Microporous and Mesoporous Materials, 2017, 247, 95-102.	4.4	33
16	Tuning the oxygen vacancy population of cerium oxide (CeO2â^'x, 0 <x<0.5) applied<br="" nanoparticles.="">Surface Science, 2017, 422, 1102-1112.</x<0.5)>	6.1	76
17	Influence of ball milling on textural and morphological properties of TiO2 and TiO2/SiO2 xerogel powders applied in photoanodes for solar cells. Journal of Solid State Electrochemistry, 2016, 20, 1731-1741.	2.5	13
18	Mesoporous chitosan/silica hybrid material applied for development of electrochemical sensor for paracetamol in presence of dopamine. Microporous and Mesoporous Materials, 2015, 217, 109-118.	4.4	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. Journal of Solid State Electrochemistry, 2015, 19, 2095-2105.	2.5	15
20	TiO2 and TiO2/SiO2 nanoparticles obtained by sol–gel method and applied on dye sensitized solar cells. Journal of Sol-Gel Science and Technology, 2014, 72, 273-281.	2.4	19
21	lonic silsesquioxane film immobilized on silica applied in the development of carbon paste electrode for determination of methyl parathion. Journal of Sol-Gel Science and Technology, 2014, 72, 282-289.	2.4	15
22	Simultaneous electroanalytical determination of hydroquinone and catechol in the presence of resorcinol at an SiO <sub>2</sub> /C electrode spin-coated with a thin film of Nb <sub>2</sub> O <sub>5</sub> . Analyst, The, 2013, 138, 315-324.	3.5	55
23	In situ immobilization of nickel(II) phthalocyanine on mesoporous SiO2/C carbon ceramic matrices prepared by the sol–gel method: Use in the simultaneous voltammetric determination of ascorbic acid and dopamine. Electrochimica Acta, 2013, 87, 140-147.	5.2	36
24	Gold nanoparticle/charged silsesquioxane films immobilized onto Al/SiO2 surface applied on the electrooxidation of nitrite. Journal of Solid State Electrochemistry, 2012, 16, 3703-3713.	2.5	41
25	New promising composite materials useful in the adsorption of Cu(II) in ethanol based on cellulose and cellulose acetate. Cellulose, 2012, 19, 913-923.	4.9	15
26	In situ immobilization of cobalt phthalocyanine on the mesoporous carbon ceramic SiO2/C prepared by the sol–gel process. Evaluation as an electrochemical sensor for oxalic acid. Electrochimica Acta, 2011, 56, 1256-1261.	5.2	32
27	Niobium oxide dispersed on a carbon–ceramic matrix, SiO2/C/Nb2O5, used as an electrochemical ascorbic acid sensor. Talanta, 2010, 83, 241-248.	5.5	28
28	Anisotropic self-organization of hybrid silica based xerogels containing bridged positively charged 1,4-diazoniabicycle[2.2.2]octane chloride group. Journal of Colloid and Interface Science, 2008, 318, 96-102.	9.4	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. Microporous and Mesoporous Materials, 2008, 112, 273-283.	4.4	31
30	Meldola blue immobilized on a new SiO2/TiO2/graphite composite for electrocatalytic oxidation of NADH. Electrochimica Acta, 2008, 53, 4167-4175.	5.2	56
31	Use of 7-amine-4-azahepthylsilica and 10-amine-4-azadecylsilica xerogels as adsorbent for Pb(II). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 316, 297-306.	4.7	23
32	Synthesis of silica xerogels with high surface area using acetic acid as catalyst. Journal of the Brazilian Chemical Society, 2007, 18, 886-890.	0.6	18
33	Use of statistical design of experiments to evaluate the sorption capacity of 1,4-diazoniabicycle[2.2.2]octane/silica chloride for Cr(VI) adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 240-248.	4.7	70
34	A water soluble 3-n-propyl-1-azonia-4-azabicyclo[2.2.2]octanechloride silsesquioxane grafted onto Al/SiO2 surface: chromium adsorption study. Ecletica Quimica, 2006, 31, 53-58.	0.5	4
35	Structure and property studies of hybrid xerogels containing bridged positively charged 1,4-diazoniabicycle[2.2.2]octane dichloride. Journal of Colloid and Interface Science, 2006, 297, 244-250.	9.4	19
36	Dabco/silica sol–gel hybrid material. The influence of the morphology on the CdCl2 adsorption capacity. Materials Letters, 2004, 58, 895-898.	2.6	26

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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.	2.4	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.	3.8	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 QUÃMICAS. Quimica 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.	2.4	2