AldalÃ©a Lopes Brandes Marques

List of Publications by Year
in descending order

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46	2,232	471509 17	265206 42
papers	citations	h-index	g-index

47	47	47	3546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A sensitive electrochemical nanosensor based on iron oxide nanoparticles and multiwalled carbon nanotubes for simultaneous determination of benzoquinone and catechol in groundwater. International Journal of Environmental Analytical Chemistry, 2023, 103, 1733-1750.	3.3	5
2	Simple Voltammetric Determination of Iron in Ethanol and Biodiesel Using a Bismuth Film Coated Glassy Carbon Electrode. Analytical Letters, 2022, 55, 2325-2346.	1.8	1
3	Bibliometric analysis of global research progress on electrochemical degradation of organic pollutants. Environmental Science and Pollution Research, 2022, 29, 54769-54781.	5.3	4
4	Nanoparticles of Fe2O3 and Co3O4 as Efficient Electrocatalysts for Oxygen Reduction Reaction in Acid Medium. Journal of the Brazilian Chemical Society, 2019, , .	0.6	11
5	Reduced Graphene Oxide-Supported Nickel(II)-Bis(1,10-Phenanthroline) Complex as a Highly Active Electrocatalyst for Ethanol Oxidation Reaction. Electrocatalysis, 2019, 10, 560-572.	3.0	11
6	Attesting compliance of biodiesel quality using composition data and classification methods. Neural Computing and Applications, 2019, 31, 539-551.	5.6	6
7	DETERMINATION OF BTEX IN ENVIRONMENTAL SAMPLES: DEVELOPMENT AND PROTECTION OF TECHNOLOGIES AND ANALYTICAL METHODS. Periodico Tche Quimica, 2019, 16, 431-439.	0.1	0
8	VOLTAMETRIC DETERMINATION OF Cu IN FUEL USING CHEMICALLY MODIFIED ELECTRODE BY TETRAZOLES. Periodico Tche Quimica, 2019, 16, 660-673.	0.1	0
9	Oxidative stability of biodiesel by mixture design and a four-component diagram. Fuel, 2018, 219, 389-398.	6.4	21
10	A simple and fast method to determine water content in biodiesel by electrochemical impedance spectroscopy. Talanta, 2018, 179, 753-759.	5.5	27
11	Development of a Novel and Simple Electroanalytical Procedure for the Determination of Copper in Biofuel Employing a Sensor Based on Vulcan Functionalized with Carbazone. Journal of the Brazilian Chemical Society, 2018, 29, 671-679.	0.6	15
12	Stainless Steel Electrodes to Determine Biodiesel Content in Petroleum Diesel Fuel by Electrochemical Impedance Spectroscopy. Electroanalysis, 2017, 29, 814-820.	2.9	5
13	Electrochemical Sensor Based on NiAlPOâ€5 for Determination of Cu²⁺ in Ethanol Biofuel. Electroanalysis, 2017, 29, 2282-2291.	2.9	3
14	A rapid and sensitive voltammetric determination of sulphur in biodiesel in samples no treated and treated with TMAH. Fuel, 2017, 202, 464-469.	6.4	7
15	Electrode Based on Nickelâ€containing SBAâ€15 for the Determination of Copper in Ethanol Biofuel. Electroanalysis, 2016, 28, 1035-1043.	2.9	7
16	Ruthenium Hexacyanoferrate (III) Modified Glassy Carbon Electrode for Determination of Captopril. Electroanalysis, 2016, 28, 2136-2142.	2.9	4
17	Application of electrochemical impedance spectroscopy: A phase behavior study of babassu biodiesel-based microemulsions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 168, 60-64.	3.9	10
18	Application of artificial neural networks to predict viscosity, iodine value and induction period of biodiesel focused on the study of oxidative stability. Fuel, 2015, 145, 127-135.	6.4	48

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19	The Role of Metals and their Fractions in the Bacanga River Estuary: an Example of the Anthropogenic Interference in a Tropical Ecosystem. Revista Virtual De Quimica, 2015, 7, 1130-1144.	0.4	3
20	CO bonding in FeN4 complexes and the effect of the macrocycle ligand: A DFT study. Polyhedron, 2014, 67, 36-43.	2.2	11
21	A simple electroanalytical procedure for the determination of calcium in biodiesel. Fuel, 2014, 115, 658-665.	6.4	24
22	Quantum chemical DFT study of the interaction between molecular oxygen and FeN4 complexes, and effect of the macrocyclic ligand. Journal of Molecular Modeling, 2014, 20, 2131.	1.8	9
23	AvaliaÃ§Ã£o integrada da qualidade de Ã¡guas superficiais: grau de trofia e proteÃ§Ã£o da vida aquÃ¡tica nos rios Anil e Bacanga, SÃ£o LuÃs (MA). Engenharia Sanitaria E Ambiental, 2014, 19, 245-250.	0.5	5
24	Direct simultaneous determination of Pb(II) and Cu(II) in biodiesel by anodic stripping voltammetry at a mercury-film electrode using microemulsions. Fuel, 2013, 103, 1164-1167.	6.4	41
25	Electrochemical Behavior of Ruthenium-Hexacyanoferrate Modified Glassy Carbon Electrode and Catalytic Activity towards Ethanol Electrooxidation. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
26	Simple, Direct and Simultaneous Stripping Voltammetric Determination of Lead and Copper in Gasoline Using an In Situ Mercury Film Electrode. Current Analytical Chemistry, 2013, 10, 498-504.	1.2	2
27	Simple method for the determination of Cu and Fe by electrothermal atomic absorption spectrometry in biodiesel treated with tetramethylammonium hydroxide. Microchemical Journal, 2011, 98, 62-65.	4.5	40
28	Hydrazine oxidation catalyzed by ruthenium hexacyanoferrate-modified glassy carbon electrode. Journal of Applied Electrochemistry, 2010, 40, 375-382.	2.9	18
29	New Pb2+ carbon paste electrode based on organically modified silicate and its square wave anodic stripping voltammetric response for pretreated gasoline samples. Journal of the Brazilian Chemical Society, 2010, 21, 1733-1738.	0.6	6
30	Nickel-dimethylglyoxime complex modified graphite and carbon paste electrodes: preparation and catalytic activity towards methanol/ethanol oxidation. Journal of Applied Electrochemistry, 2009, 39, 55-64.	2.9	54
31	EIS-assisted performance analysis of non-noble metal electrocatalyst (Feâ€“N/C)-based PEM fuel cells in the temperature range of 23â€“80Â°C. Electrochimica Acta, 2009, 54, 1737-1743.	5.2	28
32	A review of Feâ€“N/C and Coâ€“N/C catalysts for the oxygen reduction reaction. Electrochimica Acta, 2008, 53, 4937-4951.	5.2	1,032
33	Novel carbon-supported Fe-N electrocatalysts synthesized through heat treatment of iron tripyridyl triazine complexes for the PEM fuel cell oxygen reduction reaction. Electrochimica Acta, 2008, 53, 7703-7710.	5.2	130
34	Experimental design applied to the development of a copper direct determination method in gasoline samples by graphite furnace atomic absorption spectrometry. Fuel Processing Technology, 2008, 89, 1180-1185.	7.2	12
35	Cianeto em tiquiras: riscos e metodologia analÃtica. Food Science and Technology, 2007, 27, 694-700.	1.7	3
36	A review of heat-treatment effects on activity and stability of PEM fuel cell catalysts for oxygen reduction reaction. Journal of Power Sources, 2007, 173, 891-908.	7.8	398

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37	Thermal and kinetic study of corn biodiesel obtained by the methanol and ethanol routes. Journal of Thermal Analysis and Calorimetry, 2007, 87, 835-839.	3.6	60
38	Graphite electrodes modified by 8-hydroxyquinolines and its application for the determination of copper in trace levels. Journal of the Brazilian Chemical Society, 2006, 17, 177-183.	0.6	18
39	Arsenic determination in gasoline by hydride generation atomic absorption spectroscopy combined with a factorial experimental design approach. Fuel, 2006, 85, 2155-2161.	6.4	23
40	Electrochemical reduction of oxygen and hydrogen peroxide catalyzed by a surface copper(II)â€“2,4,6-tris(2-piridil)-1,3,5-triazine complex adsorbed on a graphite electrode. Journal of Power Sources, 2005, 142, 10-17.	7.8	57
41	Electrocatalytic activity of surface adsorbed rutheniumâ€“alizarin complexone toward the oxidation of benzyl alcohol. Electrochimica Acta, 2004, 49, 879-885.	5.2	17
42	Surface Complexation of Copper(II) with Alizarin Red S Adsorbed on a Graphite Electrode and Its Possible Application in Electroanalysis. Electroanalysis, 1999, 11, 1130-1136.	2.9	33
43	Estudo voltamÃ©trico do complexo de cobre(II) com o ligante vermelho de alizarina S, adsorvido na superfÃcie do eletrodo de grafite pirolÃtico. Quimica Nova, 1999, 22, 312-314.	0.3	7
44	Polarographic and Spectrophotometric Study of Lead Complexes with Diethanoldithiocarbamate. Journal of the Brazilian Chemical Society, 1998, 9, 531-538.	0.6	2
45	Elimination of the copperâ€”zinc interference in anodic stripping voltammetry by addition of a complexing agent. Talanta, 1991, 38, 735-739.	5.5	13
46	Niâ€“Ag Supported on Reduced Graphene Oxide as Efficient Electrocatalyst for Alcohol Oxidation Reactions. Electrocatalysis, 0, , .	3.0	0