Marcelo L Calegaro

List of Publications by Year
in descending order

41 papers	2,188 citations	218677 26 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	2710 citing authors

#	Article	IF	Citations
1	Carbon spherical shells in a flexible photoelectrochemical sensor to determine hydroquinone in tap water. Journal of Environmental Chemical Engineering, 2022, 10, 107556.	6.7	22
2	Bioinspired catechol chemistry for dentin remineralization: A new approach for the treatment of dentin hypersensitivity. Dental Materials, 2020, 36, 501-511.	3.5	13
3	Bismuth and cerium doped cryptomelane-type manganese dioxide nanorods as bifunctional catalysts for rechargeable alkaline metal-air batteries. Applied Catalysis B: Environmental, 2019, 258, 118014.	20.2	41
4	Broad spectrum photocatalytic system based on BiVO4 and NaYbF4:Tm3+ upconversion particles for environmental remediation under UV-vis-NIR illumination. Applied Catalysis B: Environmental, 2019, 243, 121-135.	20.2	76
5	Size Control of Carbon Spherical Shells for Sensitive Detection of Paracetamol in Sweat, Saliva, and Urine. ACS Applied Nano Materials, 2018, 1, 654-661.	5.0	44
6	Sensitive detection of estriol hormone in creek water using a sensor platform based on carbon black and silver nanoparticles. Talanta, 2017, 174, 652-659.	5.5	46
7	Printex 6L Carbon Nanoballs used in Electrochemical Sensors for Simultaneous Detection of Emerging Pollutants Hydroquinone and Paracetamol. Sensors and Actuators B: Chemical, 2017, 252, 165-174.	7.8	54
8	Synergy between Printex nano-carbons and silver nanoparticles for sensitive estimation of antioxidant activity. Analytica Chimica Acta, 2016, 926, 88-98.	5.4	31
9	Use of a vanadium nanostructured material for hydrogen peroxide electrogeneration. Journal of Electroanalytical Chemistry, 2014, 719, 127-132.	3.8	48
10	Influence of the preparation method and the support on H2O2 electrogeneration using cerium oxide nanoparticles. Electrochimica Acta, 2013, 111, 339-343.	5.2	42
11	Degradation of dipyrone via advanced oxidation processes using a cerium nanostructured electrocatalyst material. Applied Catalysis A: General, 2013, 462-463, 256-261.	4.3	36
12	Low tungsten content of nanostructured material supported on carbon for the degradation of phenol. Applied Catalysis B: Environmental, 2013, 142-143, 479-486.	20.2	61
13	Ethanol Oxidation Reaction on IrPtSn/C Electrocatalysts with low Pt Content. Journal of the Brazilian Chemical Society, 2013, , .	0.6	6
14	Nanogravimetric study of lead underpotential deposition on selenium thin films as a semiconductor alloy formation procedure. RSC Advances, 2012, 2, 2498.	3.6	11
15	The influence of different co-catalysts in Pt-based ternary and quaternary electro-catalysts on the electro-oxidation of methanol and ethanol in acid media. Journal of Electroanalytical Chemistry, 2012, 668, 13-25.	3.8	21
16	Oxygen reduction reaction catalyzed by É›-MnO2: Influence of the crystalline structure on the reaction mechanism. Electrochimica Acta, 2012, 85, 423-431.	5.2	71
17	PtSnIr/C anode electrocatalysts: promoting effect in direct ethanol fuel cells. Journal of the Brazilian Chemical Society, 2012, 23, 1146-1153.	0.6	20
18	Low content cerium oxide nanoparticles on carbon for hydrogen peroxide electrosynthesis. Applied Catalysis A: General, 2012, 411-412, 1-6.	4.3	100

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19	PtSn/C alloyed and non-alloyed materials: Differences in the ethanol electro-oxidation reaction pathways. Applied Catalysis B: Environmental, 2011, 110, 141-147.	20.2	76
20	PtSnCe/C electrocatalysts for ethanol oxidation: DEFC and FTIR â€œin-situâ€•studies. International Journal of Hydrogen Energy, 2011, 36, 11519-11527.	7.1	55
21	Ethanol Electro-oxidation on Pt/C Electrocatalysts: An â€œIn Situâ€•Raman Spectroelectrochemical Study. Electrocatalysis, 2011, 2, 28-34.	3.0	32
22	A comparative study of the electrogeneration of hydrogen peroxide using Vulcan and Printex carbon supports. Carbon, 2011, 49, 2842-2851.	10.3	161
23	PtSnCe/C and PtSnIr/C Electrocatalysts for Ethanol Oxidation: DEFC and In Situ FTIR studies. ECS Transactions, 2011, 41, 1293-1298.	0.5	1
24	The Mechanism for Ethanol Oxidation Reaction on SnO2@Pt/C Core Shell Electrocatalyst. ECS Transactions, 2011, 41, 2231-2236.	0.5	0
25	Ethanol oxidation reactions using SnO2@Pt/C as an electrocatalyst. Applied Catalysis B: Environmental, 2010, 99, 265-271.	20.2	79
26	Study of ethanol electro-oxidation in acid environment on Pt3Sn/C anode catalysts prepared by a modified polymeric precursor method under controlled synthesis conditions. Journal of Power Sources, 2010, 195, 1589-1593.	7.8	70
27	Reaproveitamento de Ã³xidos de manganÃªs de pilhas descartadas para eletrocatÃ¡lise da reaÃ§Ã£o de reduÃ§Ã£o de oxigÃªnio em meio bÃ¡sico. Quimica Nova, 2010, 33, 730-733.	0.3	5
28	Ethanol oxidation reaction on PtCeO2/C electrocatalysts prepared by the polymeric precursor method. Applied Catalysis B: Environmental, 2009, 91, 516-523.	20.2	56
29	Electrochemical oxidation of benzene on boron-doped diamond electrodes. Chemosphere, 2007, 66, 2152-2158.	8.2	73
30	UtilizaÃ§Ã£o da mÃºltipla voltametria de onda quadrada na determinaÃ§Ã£o eletroanalÃ‡tica de compostos orgÃ¢nicos e inorgÃ¢nicos. Quimica Nova, 2007, 30, 458-463.	0.3	15
31	Investigation of copper dissolution in the presence of glyphosate using hydrodynamic voltammetry and chronoamperometry. Solid State Ionics, 2007, 178, 161-164.	2.7	19
32	Electrocatalytic activity of manganese oxides prepared by thermal decomposition for oxygen reduction. Electrochimica Acta, 2007, 52, 3732-3738.	5.2	251
33	A nanogravimmetric investigation of the charging processes on ruthenium oxide thin films and their effect on methanol oxidation. Applied Surface Science, 2006, 253, 1817-1822.	6.1	20
34	Preparation, characterization and utilization of a new electrocatalyst for ethanol oxidation obtained by the solâ€“gel method. Journal of Power Sources, 2006, 156, 300-305.	7.8	57
35	Oxygen reduction reaction on nanosized manganese oxide particles dispersed on carbon in alkaline solutions. Journal of Power Sources, 2006, 158, 735-739.	7.8	107
36	Solâ€“gel-modified boron-doped diamond surfaces for methanol and ethanol electro-oxidation in acid medium. Journal of Power Sources, 2006, 162, 9-20.	7.8	55

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37	Investigations of the catalytic properties of manganese oxides for the oxygen reduction reaction in alkaline media. Journal of Electroanalytical Chemistry, 2006, 590, 152-160.	3.8	242
38	Electrocatalytic activity of dispersed platinum and silver alloys and manganese oxides for the oxygen reduction in alkaline electrolyte. Russian Journal of Electrochemistry, 2006, 42, 1283-1290.	0.9	26
39	AFM studies and electrochemical characterization of boron-doped diamond surfaces modified with metal oxides by the Sol-Gel method. Journal of the Brazilian Chemical Society, 2006, 17, 257-264.	0.6	31
40	Microgravimetric and voltammetric study of Zn underpotential deposition on platinum in alkaline medium. Surface Science, 2005, 579, 58-64.	1.9	4
41	Study of Oxygen Reduction Reaction in Sulfuric Acid on Thin Porous Electrodes Composed of Carbon and Platinum. Electrochemistry, 1996, 64, 436-442.	0.3	10