

Marcelo L Calegario

List of Publications by Year in descending order

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41
papers

2,188
citations

218677

26
h-index

289244

40
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41
all docs

41
docs citations

41
times ranked

2710
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic activity of manganese oxides prepared by thermal decomposition for oxygen reduction. <i>Electrochimica Acta</i> , 2007, 52, 3732-3738.	5.2	251
2	Investigations of the catalytic properties of manganese oxides for the oxygen reduction reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2006, 590, 152-160.	3.8	242
3	A comparative study of the electrogeneration of hydrogen peroxide using Vulcan and Printex carbon supports. <i>Carbon</i> , 2011, 49, 2842-2851.	10.3	161
4	Oxygen reduction reaction on nanosized manganese oxide particles dispersed on carbon in alkaline solutions. <i>Journal of Power Sources</i> , 2006, 158, 735-739.	7.8	107
5	Low content cerium oxide nanoparticles on carbon for hydrogen peroxide electrosynthesis. <i>Applied Catalysis A: General</i> , 2012, 411-412, 1-6.	4.3	100
6	Ethanol oxidation reactions using SnO ₂ @Pt/C as an electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 265-271.	20.2	79
7	PtSn/C alloyed and non-alloyed materials: Differences in the ethanol electro-oxidation reaction pathways. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 141-147.	20.2	76
8	Broad spectrum photocatalytic system based on BiVO ₄ and NaYbF ₄ :Tm ³⁺ upconversion particles for environmental remediation under UV-vis-NIR illumination. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 121-135.	20.2	76
9	Electrochemical oxidation of benzene on boron-doped diamond electrodes. <i>Chemosphere</i> , 2007, 66, 2152-2158.	8.2	73
10	Oxygen reduction reaction catalyzed by δ -MnO ₂ : Influence of the crystalline structure on the reaction mechanism. <i>Electrochimica Acta</i> , 2012, 85, 423-431.	5.2	71
11	Study of ethanol electro-oxidation in acid environment on Pt ₃ Sn/C anode catalysts prepared by a modified polymeric precursor method under controlled synthesis conditions. <i>Journal of Power Sources</i> , 2010, 195, 1589-1593.	7.8	70
12	Low tungsten content of nanostructured material supported on carbon for the degradation of phenol. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 479-486.	20.2	61
13	Preparation, characterization and utilization of a new electrocatalyst for ethanol oxidation obtained by the sol-gel method. <i>Journal of Power Sources</i> , 2006, 156, 300-305.	7.8	57
14	Ethanol oxidation reaction on PtCeO ₂ /C electrocatalysts prepared by the polymeric precursor method. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 516-523.	20.2	56
15	Sol-gel-modified boron-doped diamond surfaces for methanol and ethanol electro-oxidation in acid medium. <i>Journal of Power Sources</i> , 2006, 162, 9-20.	7.8	55
16	PtSnCe/C electrocatalysts for ethanol oxidation: DEFC and FTIR <i>in-situ</i> studies. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11519-11527.	7.1	55
17	Printex 6L Carbon Nanoballs used in Electrochemical Sensors for Simultaneous Detection of Emerging Pollutants Hydroquinone and Paracetamol. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 165-174.	7.8	54
18	Use of a vanadium nanostructured material for hydrogen peroxide electrogeneration. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 127-132.	3.8	48

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19	Sensitive detection of estriol hormone in creek water using a sensor platform based on carbon black and silver nanoparticles. <i>Talanta</i> , 2017, 174, 652-659.	5.5	46
20	Size Control of Carbon Spherical Shells for Sensitive Detection of Paracetamol in Sweat, Saliva, and Urine. <i>ACS Applied Nano Materials</i> , 2018, 1, 654-661.	5.0	44
21	Influence of the preparation method and the support on H ₂ O ₂ electrogeneration using cerium oxide nanoparticles. <i>Electrochimica Acta</i> , 2013, 111, 339-343.	5.2	42
22	Bismuth and cerium doped cryptomelane-type manganese dioxide nanorods as bifunctional catalysts for rechargeable alkaline metal-air batteries. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 118014.	20.2	41
23	Degradation of dipyrone via advanced oxidation processes using a cerium nanostructured electrocatalyst material. <i>Applied Catalysis A: General</i> , 2013, 462-463, 256-261.	4.3	36
24	Ethanol Electro-oxidation on Pt/C Electrocatalysts: An <i>in Situ</i> Raman Spectroelectrochemical Study. <i>Electrocatalysis</i> , 2011, 2, 28-34.	3.0	32
25	Synergy between Printex nano-carbons and silver nanoparticles for sensitive estimation of antioxidant activity. <i>Analytica Chimica Acta</i> , 2016, 926, 88-98.	5.4	31
26	AFM studies and electrochemical characterization of boron-doped diamond surfaces modified with metal oxides by the Sol-Gel method. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 257-264.	0.6	31
27	Electrocatalytic activity of dispersed platinum and silver alloys and manganese oxides for the oxygen reduction in alkaline electrolyte. <i>Russian Journal of Electrochemistry</i> , 2006, 42, 1283-1290.	0.9	26
28	Carbon spherical shells in a flexible photoelectrochemical sensor to determine hydroquinone in tap water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107556.	6.7	22
29	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. <i>Journal of Electroanalytical Chemistry</i> , 2012, 668, 13-25.	3.8	21
30	A nanogravimetric investigation of the charging processes on ruthenium oxide thin films and their effect on methanol oxidation. <i>Applied Surface Science</i> , 2006, 253, 1817-1822.	6.1	20
31	PtSnIr/C anode electrocatalysts: promoting effect in direct ethanol fuel cells. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1146-1153.	0.6	20
32	Investigation of copper dissolution in the presence of glyphosate using hydrodynamic voltammetry and chronoamperometry. <i>Solid State Ionics</i> , 2007, 178, 161-164.	2.7	19
33	Utilizaç�o da m�ltipla voltametria de onda quadrada na determinaç�o eletroanal�tica de compostos org�nicos e inorg�nicos. <i>Quimica Nova</i> , 2007, 30, 458-463.	0.3	15
34	Bioinspired catechol chemistry for dentin remineralization: A new approach for the treatment of dentin hypersensitivity. <i>Dental Materials</i> , 2020, 36, 501-511.	3.5	13
35	Nanogravimetric study of lead underpotential deposition on selenium thin films as a semiconductor alloy formation procedure. <i>RSC Advances</i> , 2012, 2, 2498.	3.6	11
36	Study of Oxygen Reduction Reaction in Sulfuric Acid on Thin Porous Electrodes Composed of Carbon and Platinum. <i>Electrochemistry</i> , 1996, 64, 436-442.	0.3	10

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37	Ethanol Oxidation Reaction on IrPtSn/C Electrocatalysts with low Pt Content. Journal of the Brazilian Chemical Society, 2013, , .	0.6	6
38	Reaproveitamento de Mn^{3+} xidos de manganês de pilhas descartadas para eletrocatálise da reação de redução de oxigênio em meio básico. Química Nova, 2010, 33, 730-733.	0.3	5
39	Microgravimetric and voltammetric study of Zn underpotential deposition on platinum in alkaline medium. Surface Science, 2005, 579, 58-64.	1.9	4
40	PtSnCe/C and PtSnIr/C Electrocatalysts for Ethanol Oxidation: DEFC and In Situ FTIR studies. ECS Transactions, 2011, 41, 1293-1298.	0.5	1
41	The Mechanism for Ethanol Oxidation Reaction on SnO ₂ @Pt/C Core Shell Electrocatalyst. ECS Transactions, 2011, 41, 2231-2236.	0.5	0