

Ana MarÃ-a GÃ³mez MarÃ-n

List of Publications by Year in descending order

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papers

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1167
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential Pt(111) oxide formation in perchloric acid: An electrochemical study of surface species inter-conversion. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 360-370.	1.9	87
2	Some reflections on the understanding of the oxygen reduction reaction at Pt(111). <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 956-967.	1.5	65
3	New Insights into the Oxygen Reduction Reaction Mechanism on Pt(111): A Detailed Electrochemical Study. <i>ChemSusChem</i> , 2013, 6, 1091-1100.	3.6	64
4	Spectroelectrochemical Studies of the Pt(111)/Nafion Interface Cast Electrode. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20130-20140.	1.5	49
5	Oxygen reduction on nanostructured platinum surfaces in acidic media: Promoting effect of surface steps and ideal response of Pt(111). <i>Catalysis Today</i> , 2015, 244, 172-176.	2.2	49
6	Reaction Mechanism for Oxygen Reduction on Platinum: Existence of a Fast Initial Chemical Step and a Soluble Species Different from H_2O_2 . <i>ACS Catalysis</i> , 2018, 8, 7931-7943.	5.5	49
7	Thermal and mass spectroscopic characterization of a sulphur-containing bacterial melanin from <i>Bacillus subtilis</i> . <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1576-1580.	1.5	48
8	Electrocatalytic Activity of Different Phases of Molybdenum Carbide/Carbon and Platinum-Molybdenum Carbide/Carbon Composites toward the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2016, 3, 1570-1579.	1.7	30
9	Oxygen Reduction on Platinum Surfaces in Acid Media: Experimental Evidence of a CECE/DISP Initial Reaction Path. <i>ACS Catalysis</i> , 2019, 9, 2238-2251.	5.5	29
10	Oxygen reduction at platinum electrodes: The interplay between surface and surroundings properties. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 166-172.	2.5	28
11	Langmuir-Hinshelwood Mechanism Including Lateral Interactions and Species Diffusion for CO Electro-Oxidation on Metallic Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2475-2486.	1.5	23
12	Role of Transition Metals on TM/Mo ₂ C Composites: Hydrogen Evolution Activity in Mildly Acidic and Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27150-27165.	4.0	20
13	Role of the interfacial water structure on electrocatalysis: Oxygen reduction on Pt(111) in methanesulfonic acid. <i>Catalysis Today</i> , 2016, 262, 95-99.	2.2	16
14	Thermodynamic properties of hydrogen-water adsorption at terraces and steps of Pt(111) vicinal surface electrodes. <i>Surface Science</i> , 2016, 646, 269-281.	0.8	16
15	Electrocatalytic oxidation and reduction of H ₂ O ₂ on Au single crystals. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 1029-1041.	0.3	15
16	Effect of the Random Defects Generated on the Surface of Pt(111) on the Electro-oxidation of Ethanol: An Electrochemical Study. <i>ChemPhysChem</i> , 2019, 20, 3045-3055.	1.0	9
17	Non-Noble Fe-Nx/C Electrocatalysts on Tungsten Carbides/N-Doped Carbons for the Oxygen Reduction Reaction. <i>Electrocatalysis</i> , 2019, 10, 134-148.	1.5	8
18	Mean Field Approximation of Langmuir-Hinshelwood CO Surface Reactions Considering Lateral Interactions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15716-15727.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Structure effects on electrocatalysts. Oxygen reduction on Te-modified Pt(111) surfaces: Site-blocking vs electronic effects. <i>Journal of Chemical Physics</i> , 2020, 152, 134702.	1.2	2
20	Theoretical voltammetric response of electrodes coated by solid polymer electrolyte membranes. <i>Analytica Chimica Acta</i> , 2014, 844, 15-26.	2.6	0
21	Rational Design of Catalytic Surfaces for Fuel Cell Technologies by Selective Molecular Patterning. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1427-1427.	0.0	0