

JosÃ© Luis RodrÃ­guez Marrero

List of Publications by Year in descending order

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59
papers

1,624
citations

279798
23
h-index

315739
38
g-index

59
all docs

59
docs citations

59
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanol tolerant Pd-Based carbon supported catalysts as cathode materials for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20673-20678.	7.1	10
2	Electrochemical performance of $\text{Pt}/\text{Mo}_2\text{C}$ as catalyst for the hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 235-241.	3.8	26
3	Influence of the nature of the carbon support on the activity of Pt/C catalysts for ethanol and carbon monoxide oxidation. <i>Journal of Catalysis</i> , 2017, 348, 22-28.	6.2	45
4	Effect of the Dendrimer Generation Used in the Synthesis of Pt-Ru Nanoparticles Supported on Carbon Nanofibers on the Catalytic Activity towards Methanol Oxidation. <i>Energies</i> , 2017, 10, 159.	3.1	12
5	Ni@Pt nanodisks with low Pt content supported on reduced graphene oxide for methanol electrooxidation in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19799-19809.	7.1	38
6	Electrocatalysis on metal carbide materials. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19664-19673.	7.1	33
7	Mechanism of ethanol electrooxidation on mesoporous Pt electrode in acidic medium studied by a novel electrochemical mass spectrometry set-up. <i>Electrochimica Acta</i> , 2016, 209, 121-131.	5.2	51
8	Carbon supported Ag and Ag@Co catalysts tolerant to methanol and ethanol for the oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19789-19798.	7.1	38
9	New insights on the electrochemical oxidation of ethanol on carbon-supported Pt electrode by a novel electrochemical mass spectrometry configuration. <i>Electrochemistry Communications</i> , 2016, 63, 48-51.	4.7	52
10	On the design of Pt based catalysts. Combining porous architecture with surface modification by Sn for electrocatalytic activity enhancement. <i>Journal of Power Sources</i> , 2015, 282, 34-44.	7.8	24
11	Carbon monoxide and methanol oxidations on carbon nanofibers supported Pt@Ru electrodes at different temperatures. <i>Electrochimica Acta</i> , 2015, 186, 359-368.	5.2	31
12	Electrochemical oxidation of CO and methanol on Pt@Ru catalysts supported on carbon nanofibers: the influence of synthesis method. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 676-686.	20.2	80
13	Spectroscopic elucidation of reaction pathways of acetaldehyde on platinum and palladium in acidic media. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1205-1213.	2.5	10
14	Spectroelectrochemical studies of poly(N-methylaniline) formation, redox behaviour and degradation. A comparison with polyaniline. <i>Electrochimica Acta</i> , 2014, 122, 39-49.	5.2	10
15	Macroporous carbon as support for PtRu catalysts. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3964-3969.	7.1	13
16	Carbon monoxide and methanol oxidations on Pt/X@MoO ₃ /C (X=Mo ₂ C, MoO ₂ , MoO) electrodes at different temperatures. <i>Journal of Power Sources</i> , 2013, 231, 163-172.	7.8	35
17	Preliminary studies of the electrochemical performance of Pt/X@MoO ₃ /C (X=Mo ₂ C, MoO ₂ , MoO) catalysts for the anode of a DMFC: Influence of the Pt loading and Mo-phase. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7811-7821.	7.1	39
18	Carbon-Supported PtRuMo Electrocatalysts for Direct Alcohol Fuel Cells. <i>Catalysts</i> , 2013, 3, 811-838.	3.5	12

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19	Ethanol Electrooxidation on Pt with Lanthanum Oxide as Cocatalyst in a DAFC. International Journal of Electrochemistry, 2012, 2012, 1-6.	2.4	1
20	Electrocatalytic performance of different Mo-phases obtained during the preparation of innovative Pt-MoC catalysts for DMFC anode. International Journal of Hydrogen Energy, 2012, 37, 7171-7179.	7.1	46
21	FTIR Characterization of Surface Interactions of Cyanide and Copper Cyanide with a Platinum Electrode in Alkaline Solution. Journal of Physical Chemistry C, 2011, 115, 3671-3677.	3.1	12
22	Electrochemical activation of nanostructured carbon-supported PtRuMo electrocatalyst for methanol oxidation. Electrochimica Acta, 2010, 55, 7634-7642.	5.2	22
23	Spectroscopic evidence for intermediate species formed during aniline polymerization and polyaniline degradation. Physical Chemistry Chemical Physics, 2010, 12, 10584.	2.8	70
24	Synthetic Porous Carbon as Support of Platinum Nanoparticles for Fuel Cell Electrodes. Molecular Crystals and Liquid Crystals, 2010, 521, 229-236.	0.9	8
25	CO tolerant PtRuMo nanoparticles supported on carbon nanofibers for direct methanol fuel cells. Journal of Power Sources, 2009, 186, 299-304.	7.8	55
26	Electrochemical and FTIR spectroscopic studies of tyrosine oxidation at polycrystalline platinum surfaces in alkaline solutions. Journal of Solid State Electrochemistry, 2008, 12, 523-528.	2.5	8
27	DEMS study on the nature of acetaldehyde adsorbates at Pt and Pd by isotopic labelling. Journal of Solid State Electrochemistry, 2008, 12, 517-522.	2.5	13
28	Ammonia oxidation on electrodeposited PtIr alloys. Journal of Solid State Electrochemistry, 2008, 12, 583-589.	2.5	73
29	Probe beam deflection studies of nanostructured catalyst materials for fuel cells. Physical Chemistry Chemical Physics, 2008, 10, 6677.	2.8	11
30	Novel Synthesis Method of CO-Tolerant PtRuMo Nanoparticles: Structural Characteristics and Performance for Methanol Electrooxidation. Chemistry of Materials, 2008, 20, 4249-4259.	6.7	99
31	The influence of hydrogen peroxide on carbon monoxide electrooxidation at Pt/C and Pt:Ru/C electrodes. Journal of Solid State Electrochemistry, 2007, 11, 1521-1529.	2.5	6
32	Adsorption, oxidation and reduction of crotyl alcohol on platinum. Electrochimica Acta, 2006, 51, 5365-5375.	5.2	6
33	Adsorption and oxidation pathways of thiourea at polycrystalline platinum electrodes. Journal of Electroanalytical Chemistry, 2006, 588, 169-178.	3.8	23
34	Heterogeneously assisted oxidation of adsorbates from carbonmonoxide, methanol and ethanol by hydrogen peroxide solutions on platinum electrodes in sulphuric acid. Journal of Applied Electrochemistry, 2006, 36, 1271-1279.	2.9	6
35	CO tolerant catalysts for PEM fuel cells. Catalysis Today, 2006, 116, 415-421.	4.4	56
36	FTIR studies of tyrosine oxidation at polycrystalline Pt and Pt(111) electrodes. Journal of Electroanalytical Chemistry, 2005, 585, 230-239.	3.8	16

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37	Revealing Structural Effects, Part II: The Influence of Molecular Structure on the Adsorption of Butanol Isomers on Platinum. <i>Chemistry - A European Journal</i> , 2005, 11, 3309-3317.	3.3	7
38	Spectroscopic Investigation of the Adsorption and Oxidation of Thiourea on Polycrystalline Au and Au(111) in Acidic Media. <i>Langmuir</i> , 2004, 20, 8773-8780.	3.5	19
39	Evidence of a Free Pt Surface under Electrodeposited Polyaniline (PANI) Films: CO Adsorption and Methanol Oxidation at PANI/Pt without Metal Particles. <i>Langmuir</i> , 2003, 19, 8137-8140.	3.5	12
40	Electrochemical Behavior of Benzaldehyde on Polycrystalline Platinum. An in Situ FTIR and DEMS Study. <i>Langmuir</i> , 2003, 19, 8899-8906.	3.5	15
41	Comparative Study of Ethanol and Acetaldehyde Reactivities on Rhodium Electrodes in Acidic Media. <i>Langmuir</i> , 2002, 18, 763-772.	3.5	55
42	Revealing Structural Effects: Electrochemical Reactions of Butanols on Platinum. <i>Chemistry - A European Journal</i> , 2002, 8, 2134.	3.3	6
43	A spectroscopic proof of a surface equilibrium between on top and bridge bonded CO at Pt(110) in acid solution. <i>Electrochemistry Communications</i> , 2002, 4, 959-962.	4.7	16
44	Reactivity of acetaldehyde at platinum and rhodium in acidic media. A DEMS study. <i>Electrochimica Acta</i> , 2002, 47, 1441-1449.	5.2	40
45	Elucidation of the reaction pathways of allyl alcohol at polycrystalline palladium electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 505, 62-71.	3.8	17
46	The Influence of H ₂ O ₂ on the Adsorption and Oxidation of CO on Pt Electrodes in Sulfuric Acid Solution. <i>Journal of the Electrochemical Society</i> , 2001, 148, A293.	2.9	12
47	A comparative study on the adsorption of benzyl alcohol, toluene and benzene on platinum. <i>Electrochimica Acta</i> , 2000, 45, 4279-4289.	5.2	38
48	Electrochemical reactions of benzoic acid on platinum and palladium studied by DEMS. Comparison with benzyl alcohol. <i>Journal of Electroanalytical Chemistry</i> , 2000, 494, 127-135.	3.8	22
49	Spectroscopic Investigation of the Adsorbates of Benzyl Alcohol on Palladium. <i>Langmuir</i> , 2000, 16, 8456-8462.	3.5	19
50	Reaction Intermediates of Acetaldehyde Oxidation on Pt(111) and Pt(100). An in Situ FTIR Study. <i>Langmuir</i> , 2000, 16, 5479-5486.	3.5	64
51	Spectroscopic Study of the Nitric Oxide Adlayers Formed from Nitrous Acid Solutions on Palladium-Covered Platinum Single-Crystal Electrodes. <i>Langmuir</i> , 2000, 16, 4695-4705.	3.5	25
52	Adsorption, oxidation and reduction reactions of propargyl alcohol on palladium as studied by electrochemical mass spectrometry. <i>Journal of Electroanalytical Chemistry</i> , 1999, 472, 71-82.	3.8	12
53	Electrochemical surface reactions of intermediates formed in the oxidative ethanol adsorption on porous Pt and PtRu. <i>Journal of Electroanalytical Chemistry</i> , 1999, 471, 167-179.	3.8	79
54	Consecutive adsorption as studied by electrochemical mass spectrometry: Coadsorption, desorption and displacement reactions on platinum. <i>Electrochimica Acta</i> , 1998, 44, 1173-1179.	5.2	11

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55	DEMS study on the adsorption and reactivity of benzyl alcohol on palladium and platinum. <i>Electrochimica Acta</i> , 1998, 44, 1415-1422.	5.2	21
56	A DEMS study of the electroreduction and oxidation of 3-buten-2-one and 2-butanone adsorbates on platinum in sulphuric solutions. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 161-172.	3.8	10
57	Reactions of Unsaturated Hydrocarbons at the Gold/Electrolyte Interface in Acid Solution. <i>Journal of Physical Chemistry B</i> , 1997, 101, 4565-4574.	2.6	21
58	Interaction between residues of different organic compounds on platinum: a mass spectrometric study. <i>Journal of the Brazilian Chemical Society</i> , 1997, 8, 107-112.	0.6	2
59	On-line mass spectrometric studies on the interaction between organic adlayers on platinum. Part 1. Consecutive adsorption of formic acid and propargyl alcohol. <i>Journal of Electroanalytical Chemistry</i> , 1996, 404, 77-88.	3.8	11