

M Janete Giz

List of Publications by Year in descending order

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42
papers

1,795
citations

279701

23
h-index

289141

40
g-index

42
all docs

42
docs citations

42
times ranked

1981
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of geometric and electronic factors on ORR activity of carbon supported Pt-Co electrocatalysts in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2005, 30, 1213-1220.	3.8	188
2	In situ STM study of self-assembled mercaptopropionic acid monolayers for electrochemical detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 1999, 465, 72-79.	1.9	174
3	The Electro-oxidation of Ethanol on Pt-Ru and Pt-Mo Particles Supported on High-Surface-Area Carbon. <i>Journal of the Electrochemical Society</i> , 2002, 149, A272.	1.3	162
4	Correlation of electrochemical and physical properties of PtRu alloy electrocatalysts for PEM fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2002, 537, 21-29.	1.9	100
5	Insights into the adsorption and electro-oxidation of glycerol: Self-inhibition and concentration effects. <i>Journal of Catalysis</i> , 2013, 301, 154-161.	3.1	78
6	High area Ni-Zn and Ni-Co-Zn codeposits as hydrogen electrodes in alkaline solutions. <i>Journal of Applied Electrochemistry</i> , 1992, 22, 973-977.	1.5	76
7	The effect of Cd, Co, and Zn as additives on nickel hydroxide opto-electrochemical behavior. <i>Journal of Power Sources</i> , 2001, 102, 224-232.	4.0	71
8	Electrochemical performance of dispersed Pt-M (M =V, Cr and Co) nanoparticles for the oxygen reduction electrocatalysis. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 328-336.	0.6	62
9	Generation of carbon dioxide from glycerol: Evidences of massive production on polycrystalline platinum. <i>Electrochimica Acta</i> , 2011, 56, 4549-4553.	2.6	61
10	The ethanol electrooxidation reaction at Pt (111): The effect of ethanol concentration. <i>Journal of Electroanalytical Chemistry</i> , 2009, 625, 117-122.	1.9	57
11	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.	3.8	55
12	NiFeZn codeposit as a cathode material for the production of hydrogen by water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2000, 25, 621-626.	3.8	53
13	A Study of the Hydrogen Evolution Reaction on a Ni/NiFeS Electrodeposited Coating. <i>Journal of the Electrochemical Society</i> , 1997, 144, 2794-2800.	1.3	52
14	An electrochemical impedance study on the kinetics and mechanism of the hydrogen evolution reaction on nickel molybdenite electrodes. <i>Electrochimica Acta</i> , 1997, 42, 951-959.	2.6	50
15	Influence of the local pH on the electrooxidation of glycerol on Palladium-Rhodium electrodeposits. <i>Journal of Electroanalytical Chemistry</i> , 2013, 697, 15-20.	1.9	50
16	Structure and properties of a nanocomposite formed by vanadium pentoxide containing poly(N-propane sulfonic acid aniline). <i>Journal of Power Sources</i> , 2001, 103, 113-119.	4.0	49
17	The hydrogen evolution reaction on amorphous nickel and cobalt alloys. <i>International Journal of Hydrogen Energy</i> , 1995, 20, 423-427.	3.8	47
18	Ethanol electro-oxidation on partially alloyed Pt-Sn-Rh/C catalysts. <i>Electrochimica Acta</i> , 2014, 147, 483-489.	2.6	47

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19	Surface chemistry of the iron tetraazamacrocycle on the aminopropyl-modified surface of oxidized n-Si(100) by AFM and XPS. <i>Surface and Interface Analysis</i> , 2002, 33, 293-298.	0.8	42
20	AFM morphological study of electropolymerised polyaniline films modified by surfactant and large anions. <i>Electrochemistry Communications</i> , 2000, 2, 377-381.	2.3	38
21	Analysis of the selectivity of PtRh/C and PtRhSn/C to the formation of CO ₂ during ethanol electrooxidation. <i>Electrochimica Acta</i> , 2013, 112, 612-619.	2.6	35
22	Rhodium in presence of platinum as a facilitator of carbon-carbon bond break: A composition study. <i>Electrochimica Acta</i> , 2011, 56, 1337-1343.	2.6	26
23	Mechanistic study of the hydrogen evolution reaction on Ni-Zn and Ni-S cathodes. <i>Journal of Applied Electrochemistry</i> , 1993, 23, 641-645.	1.5	24
24	Progress on the development of activated cathodes for water electrolysis. <i>International Journal of Hydrogen Energy</i> , 1992, 17, 725-729.	3.8	22
25	The ethanol electrooxidation reaction at rough PtRu electrodeposits: A FTIRS study. <i>Electrochemistry Communications</i> , 2009, 11, 1586-1589.	2.3	20
26	Two-step synthesis of Ir-decorated Pd nanocubes and their impact on the glycerol electrooxidation. <i>Journal of Catalysis</i> , 2019, 377, 358-366.	3.1	19
27	Mechanistic study of the hydrogen evolution reaction on Ni-Co-Zn electrodes. <i>Electrochimica Acta</i> , 1994, 39, 1775-1779.	2.6	18
28	Studies of carbon monoxide oxidation on carbon-supported platinum-osmium electrocatalysts. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 607-613.	1.2	18
29	Spontaneous deposition of Ru on Pt (100): morphological and electrochemical studies. Preliminary results of ethanol oxidation at Pt(100)/Ru. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 601-609.	0.6	18
30	Electrochemical and physical characterization of Ni-Cu-Fe alloy for chlor-alkali hydrogen cathodes. <i>Ecletica Quimica</i> , 2003, 28, 21-28.	0.2	17
31	How the adsorption of Sn on Pt (100) preferentially oriented nanoparticles affects the pathways of glycerol electro-oxidation. <i>Electrochimica Acta</i> , 2019, 297, 61-69.	2.6	11
32	Ethylene glycol oxidation on carbon supported binary PtM (M=Rh, Pd an Ni) electrocatalysts in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114859.	1.9	11
33	Electro-oxidation of ethanol on PtRh surfaces partially covered by Sn. <i>Electrochimica Acta</i> , 2019, 308, 167-173.	2.6	10
34	Oxidation of isotopically-labeled ethanol on platinum-rhodium surfaces: Enhancing the production of CO ₂ from methyl groups. <i>Electrochemistry Communications</i> , 2014, 48, 160-163.	2.3	7
35	Search for multi-functional catalysts: The electrooxidation of acetaldehyde on Platinum-Ruthenium-Rhodium electrodeposits. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 85-90.	1.9	6
36	How decoration with Tl affects CO electro-oxidation on Pd (1 0 0) nanocubes: In situ FTIR and ab-initio insights. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115149.	1.9	6

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37	A topographic view of the Pt(111) surface at the electrochemical interface in the presence of carbon monoxide. <i>Electrochemistry Communications</i> , 2007, 9, 1083-1085.	2.3	5
38	The electrooxidation of acetaldehyde on platinum–ruthenium–rhodium surfaces: A delicate balance between oxidation and carbon–carbon bond breaking. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 73-78.	1.9	5
39	Methanol electrooxidation at aged PtRu electrodeposits as an approach to understand the effects of time. <i>Journal of Power Sources</i> , 2010, 195, 7221-7224.	4.0	2
40	Ethylene Glycol Electro-Oxidation on Platinum-Free Surfaces: How the Composition of PdRuRh Surfaces Influences the Catalysis. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
41	PtSnCe/C and PtSnIr/C Electrocatalysts for Ethanol Oxidation: DEFC and In Situ FTIR studies. <i>ECS Transactions</i> , 2011, 41, 1293-1298.	0.3	1
42	Iridium-Based Catalysts for the Ethanol Electrooxidation in Acidic Media. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0