

Marcelo Linardi

List of Publications by Year in descending order

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57
papers

2,044
citations

257450

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docs citations

57
times ranked

2376
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing direct ethanol fuel cell operation at intermediate temperature by combining Nafion-hybrid electrolyte and well-alloyed PtSn/C electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13252-13264.	7.1	12
2	Au/TiO ₂ catalysts prepared by borohydride reduction for preferential CO oxidation at near-ambient temperature. <i>Catalysis for Sustainable Energy</i> , 2019, 6, 6-12.	0.7	1
3	Palladium nanoparticles supported on mesoporous biocarbon from coconut shell for ethanol electro-oxidation in alkaline media. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	3.6	11
4	Preparation of Au/TiO ₂ by a facile method at room temperature for the CO preferential oxidation reaction. <i>Catalysis Communications</i> , 2018, 116, 38-42.	3.3	19
5	Fuel cell and electrochemical studies of the ethanol electro-oxidation in alkaline media using PtAu/C as anodes. <i>Ionics</i> , 2017, 23, 2367-2376.	2.4	9
6	Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces. <i>Advanced Materials</i> , 2016, 28, 1940-1949.	21.0	71
7	Electrocatalysts: Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces (<i>Adv. Mater.</i> 10/2016). <i>Advanced Materials</i> , 2016, 28, 1902-1902.	21.0	0
8	Comparative analysis between mass and volume of catalysts as a criterion to determine the optimal quantity of Nafion ionomer in catalyst layers. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2840-2849.	7.1	8
9	Catalyst and electrolyte synergy in LiO ₂ batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3230.	2.8	67
10	Influence of the relative volumes between catalyst and Nafion ionomer in the catalyst layer efficiency. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14680-14689.	7.1	15
11	<i>In Situ</i> Fabrication of Nafion-Titanate Hybrid Electrolytes for High-Temperature Direct Ethanol Fuel Cell. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16863-16870.	3.1	23
12	Ethanol electro-oxidation in an alkaline medium using Pd/C, Au/C and PdAu/C electrocatalysts prepared by electron beam irradiation. <i>Electrochimica Acta</i> , 2013, 111, 455-465.	5.2	125
13	Development and electrochemical studies of membrane electrode assemblies for polymer electrolyte alkaline fuel cells using FAA membrane and ionomer. <i>Journal of Power Sources</i> , 2013, 230, 169-175.	7.8	89
14	Influence of sol-gel media on the properties of Nafion-SiO ₂ hybrid electrolytes for high performance proton exchange membrane fuel cells operating at high temperature and low humidity. <i>Electrochimica Acta</i> , 2013, 94, 353-359.	5.2	38
15	PtRu/C Electrocatalysts Prepared Using Gamma and Electron Beam Irradiation for Methanol Electrooxidation. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	5
16	Preparation of PtSn/C Electrocatalyst by Successive Reduction for Ethanol Electro-Oxidation. <i>ECS Transactions</i> , 2012, 43, 339-344.	0.5	1
17	Development of New Systems of Nano-Disperse Pt-(2%Pt-Ce0.9W0.1O ₂)/C Electrocatalysts Tolerant to Carbon Monoxide (CO) for PEMFC Anodes. <i>ECS Transactions</i> , 2012, 43, 185-189.	0.5	0
18	Hybrid SPEEK/Phosphonated silsesquioxanes membranes for PEMFC. <i>Nanomaterials and Energy</i> , 2012, 1, 67-76.	0.2	4

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19	Preparation of Pt electrocatalysts by galvanic displacement. <i>Nanomaterials and Energy</i> , 2012, 1, 77-80.	0.2	1
20	Enhanced activity observed for sulfuric acid and chlorosulfuric acid functionalized carbon black as PtRu and PtSn electrocatalyst support for DMFC and DEFC applications. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 14659-14667.	7.1	34
21	Catalyst layer optimization by surface tension control during ink formulation of membrane electrode assemblies in proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2011, 196, 4680-4685.	7.8	43
22	Desenvolvimento de processo de produção de conjuntos eletrodo-membrana-eletrodo para células a combustível baseadas no uso de membrana polimérica condutora de prótons (PEMFC) por impressão a tela. <i>Química Nova</i> , 2011, 34, 96-100.	0.3	4
23	Preparation of PtSn/C electrocatalysts using electron beam irradiation. <i>Studies in Surface Science and Catalysis</i> , 2010, , 555-558.	1.5	4
24	Electro-oxidation of ethanol using PtSnRh/C electrocatalysts prepared by an alcohol-reduction process. <i>Ionics</i> , 2010, 16, 91-95.	2.4	57
25	Preparation of PtRuNi/C electrocatalysts by an alcohol-reduction process for electro-oxidation of methanol. <i>Applied Catalysis A: General</i> , 2010, 372, 162-166.	4.3	33
26	Preparation of PtSnO ₂ /C electrocatalysts using electron beam irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 175, 261-265.	3.5	20
27	Preparation of PtRu/C electrocatalysts by hydrothermal carbonization using different carbon sources. <i>Studies in Surface Science and Catalysis</i> , 2010, , 551-554.	1.5	6
28	Preparation of PtSn/C skeletal-type electrocatalyst for ethanol oxidation. <i>Studies in Surface Science and Catalysis</i> , 2010, , 559-562.	1.5	4
29	Fabrication of High Precision PEMFC Membrane Electrode Assemblies by Sieve Printing Method. <i>Journal of Fuel Cell Science and Technology</i> , 2009, 6, .	0.8	12
30	The use of a dynamic hydrogen electrode as an electrochemical tool to evaluate plasma activated carbon as electrocatalyst support for direct methanol fuel cell. <i>Materials Research Bulletin</i> , 2009, 44, 51-56.	5.2	13
31	Electro-oxidation of ethanol on PtSn/CeO ₂ electrocatalyst. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1153-1156.	2.9	40
32	A novel electrocatalyst support with proton conductive properties for polymer electrolyte membrane fuel cell applications. <i>Journal of Power Sources</i> , 2009, 191, 330-337.	7.8	24
33	Characterization of nitric acid functionalized carbon black and its evaluation as electrocatalyst support for direct methanol fuel cell applications. <i>Applied Catalysis A: General</i> , 2009, 355, 132-138.	4.3	78
34	Preparation and characterization of Pt/Rare Earth/C electrocatalysts using an alcohol reduction process for methanol electro-oxidation. <i>Journal of Alloys and Compounds</i> , 2009, 476, 288-291.	5.5	35
35	Electrochemical and impedance spectroscopy studies in H ₂ /O ₂ and methanol/O ₂ proton exchange membrane fuel cells. <i>Ionics</i> , 2008, 14, 43-51.	2.4	5
36	Electrooxidation of ethanol using Pt rare earth/C electrocatalysts prepared by an alcohol reduction process. <i>Ionics</i> , 2008, 14, 577-581.	2.4	21

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37	Enhanced electro-oxidation of ethanol using PtSn/CeO ₂ @C electrocatalyst prepared by an alcohol-reduction process. <i>Electrochemistry Communications</i> , 2008, 10, 1315-1317.	4.7	71
38	H ₂ O ₂ treated carbon black as electrocatalyst support for polymer electrolyte membrane fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6289-6297.	7.1	48
39	Preparation of PtSn/C and PtSnNi/C electrocatalysts using the alcohol-reduction process. <i>Materials Letters</i> , 2008, 62, 2099-2102.	2.6	24
40	Nafion®/Titanate Nanotube Composite Membranes for PEMFC Operating at High Temperature. <i>Journal of the Electrochemical Society</i> , 2007, 154, B1358.	2.9	43
41	Preparation of PtRu/carbon hybrids by hydrothermal carbonization process. <i>Materials Research</i> , 2007, 10, 171-175.	1.3	12
42	PtRu/C electrocatalysts prepared using electron beam irradiation. <i>Materials Research</i> , 2007, 10, 367-370.	1.3	13
43	Electro-oxidation of methanol and ethanol using PtRu/C, PtSn/C and PtSnRu/C electrocatalysts prepared by an alcohol-reduction process. <i>Journal of Power Sources</i> , 2007, 166, 87-91.	7.8	249
44	PtRu/C electrocatalysts prepared using γ -irradiation. <i>Journal of Power Sources</i> , 2007, 170, 303-307.	7.8	24
45	Physical and electrochemical evaluation of commercial carbon black as electrocatalysts supports for DMFC applications. <i>Journal of Power Sources</i> , 2007, 173, 860-866.	7.8	109
46	Alternative supports for catalysts preparation for low-temperature fuel cells using the alcohol reduction method. <i>Studies in Surface Science and Catalysis</i> , 2006, , 1009-1016.	1.5	0
47	PtSn/C electrocatalysts prepared by different methods for direct ethanol fuel cell. <i>Studies in Surface Science and Catalysis</i> , 2006, , 617-624.	1.5	14
48	Electro-oxidation of ethylene glycol on PtSn/C and PtSnNi/C electrocatalysts. <i>Ionics</i> , 2006, 12, 309-313.	2.4	23
49	Co-catalytic effect of nickel in the electro-oxidation of ethanol on binary Pt@Sn electrocatalysts. <i>Electrochemistry Communications</i> , 2005, 7, 365-369.	4.7	145
50	Ethanol Fuel Cell: New Electrocatalysts Systems. , 2005, , .		0
51	Synthesis and characterization of PtRu/C catalysts obtained by colloidal and deposition methods for fuel cell applications. <i>Materials Research</i> , 2005, 8, 117-120.	1.3	3
52	Electrocatalysis and electrocatalysts for low temperature fuel cells: fundamentals, state of the art, research and development. <i>Quimica Nova</i> , 2005, 28, 1066-1075.	0.3	76
53	Electro-oxidation of ethanol using PtRu/C electrocatalysts prepared by alcohol-reduction process. <i>Journal of Power Sources</i> , 2004, 137, 17-23.	7.8	92
54	Métodos de preparação de nanopartículas metálicas suportadas em carbono de alta área superficial, como eletrocatalisadores em células a combustível com membrana trocadora de prótons. <i>Quimica Nova</i> , 2004, 27, 648-654.	0.3	38

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55	Células a combustível de baixa potência para aplicações estacionárias. Química Nova, 2002, 25, 470-476.	0.3	35
56	Tecnologia de células a combustível. Química Nova, 2000, 23, 538-546.	0.3	92
57	Fuel Cells and Ethanol: a Technological Advantage. , 0, , .		1