Marcelo Linardi

List of Publications by Year in descending order

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57 papers	2,044 citations	257450 24 h-index	243625 44 g-index

57 all docs	57 docs citations	57 times ranked	2376 citing authors

#	Article	IF	Citations
1	Electro-oxidation of methanol and ethanol using PtRu/C, PtSn/C and PtSnRu/C electrocatalysts prepared by an alcohol-reduction process. Journal of Power Sources, 2007, 166, 87-91.	7.8	249
2	Co-catalytic effect of nickel in the electro-oxidation of ethanol on binary Ptâ€“Sn electrocatalysts. Electrochemistry Communications, 2005, 7, 365-369.	4.7	145
3	Ethanol electro-oxidation in an alkaline medium using Pd/C, Au/C and PdAu/C electrocatalysts prepared by electron beam irradiation. Electrochimica Acta, 2013, 111, 455-465.	5.2	125
4	Physical and electrochemical evaluation of commercial carbon black as electrocatalysts supports for DMFC applications. Journal of Power Sources, 2007, 173, 860-866.	7.8	109
5	Tecnologia de cÃ©lulas a combustÃvel. Quimica Nova, 2000, 23, 538-546.	0.3	92
6	Electro-oxidation of ethanol using PtRu/C electrocatalysts prepared by alcohol-reduction process. Journal of Power Sources, 2004, 137, 17-23.	7.8	92
7	Development and electrochemical studies of membrane electrode assemblies for polymer electrolyte alkaline fuel cells using FAA membrane and ionomer. Journal of Power Sources, 2013, 230, 169-175.	7.8	89
8	Characterization of nitric acid functionalized carbon black and its evaluation as electrocatalyst support for direct methanol fuel cell applications. Applied Catalysis A: General, 2009, 355, 132-138.	4.3	78
9	Electrocatalysis and electrocatalysts for low temperature fuel cells: fundamentals, state of the art, research and development. Quimica Nova, 2005, 28, 1066-1075.	0.3	76
10	Enhanced electro-oxidation of ethanol using PtSn/CeO2â€“C electrocatalyst prepared by an alcohol-reduction process. Electrochemistry Communications, 2008, 10, 1315-1317.	4.7	71
11	Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces. Advanced Materials, 2016, 28, 1940-1949.	21.0	71
12	Catalyst and electrolyte synergy in Liâ€“O2 batteries. Physical Chemistry Chemical Physics, 2014, 16, 3230.	2.8	67
13	Electro-oxidation of ethanol using PtSnRh/C electrocatalysts prepared by an alcohol-reduction process. Ionics, 2010, 16, 91-95.	2.4	57
14	H2O2 treated carbon black as electrocatalyst support for polymer electrolyte membrane fuel cell applications. International Journal of Hydrogen Energy, 2008, 33, 6289-6297.	7.1	48
15	Nafionâ€“Titanate Nanotube Composite Membranes for PEMFC Operating at High Temperature. Journal of the Electrochemical Society, 2007, 154, B1358.	2.9	43
16	Catalyst layer optimization by surface tension control during ink formulation of membrane electrode assemblies in proton exchange membrane fuel cell. Journal of Power Sources, 2011, 196, 4680-4685.	7.8	43
17	Electro-oxidation of ethanol on PtSn/CeO2â€“C electrocatalyst. Journal of Applied Electrochemistry, 2009, 39, 1153-1156.	2.9	40
18	MÃ©todos de preparaÃ§Ã£o de nanopartÃculas metÃ¡licas suportadas em carbono de alta Ã¡rea superficial, como eletrocatalisadores em cÃ©lulas a combustÃvel com membrana trocadora de prÃ³tons. Quimica Nova, 2004, 27, 648-654.	0.3	38

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19	Influence of solâ€“gel media on the properties of Nafionâ€“SiO2 hybrid electrolytes for high performance proton exchange membrane fuel cells operating at high temperature and low humidity. Electrochimica Acta, 2013, 94, 353-359.	5.2	38
20	CÃ©lulas a combustÃvel de baixa potÃªncia para aplicaÃ§Ãµes estacionÃ¡rias. Quimica Nova, 2002, 25, 470-476.	0.3	35
21	Preparation and characterization of Ptâ€“Rare Earth/C electrocatalysts using an alcohol reduction process for methanol electro-oxidation. Journal of Alloys and Compounds, 2009, 476, 288-291.	5.5	35
22	Enhanced activity observed for sulfuric acid and chlorosulfuric acid functionalized carbon black as PtRu and PtSn electrocatalyst support for DMFC and DEFC applications. International Journal of Hydrogen Energy, 2011, 36, 14659-14667.	7.1	34
23	Preparation of PtRuNi/C electrocatalysts by an alcohol-reduction process for electro-oxidation of methanol. Applied Catalysis A: General, 2010, 372, 162-166.	4.3	33
24	PtRu/C electrocatalysts prepared using Î³-irradiation. Journal of Power Sources, 2007, 170, 303-307.	7.8	24
25	Preparation of PtSn/C and PtSnNi/C electrocatalysts using the alcohol-reduction process. Materials Letters, 2008, 62, 2099-2102.	2.6	24
26	A novel electrocatalyst support with proton conductive properties for polymer electrolyte membrane fuel cell applications. Journal of Power Sources, 2009, 191, 330-337.	7.8	24
27	Electro-oxidation of ethylene glycol on PtSn/C and PtSnNi/C electrocatalysts. Ionics, 2006, 12, 309-313.	2.4	23
28	In Situ Fabrication of Nafionâ€“Titanate Hybrid Electrolytes for High-Temperature Direct Ethanol Fuel Cell. Journal of Physical Chemistry C, 2013, 117, 16863-16870.	3.1	23
29	Electrooxidation of ethanol using Pt rare earthâ€“C electrocatalysts prepared by an alcohol reduction process. Ionics, 2008, 14, 577-581.	2.4	21
30	Preparation of PtSnO2/C electrocatalysts using electron beam irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 175, 261-265.	3.5	20
31	Preparation of Au/TiO2 by a facile method at room temperature for the CO preferential oxidation reaction. Catalysis Communications, 2018, 116, 38-42.	3.3	19
32	Influence of the relative volumes between catalyst and Nafion ionomer in the catalyst layer efficiency. International Journal of Hydrogen Energy, 2014, 39, 14680-14689.	7.1	15
33	PtSn/C electrocatalysts prepared by different methods for direct ethanol fuel cell. Studies in Surface Science and Catalysis, 2006, , 617-624.	1.5	14
34	PtRu/C electrocatalysts prepared using electron beam irradiation. Materials Research, 2007, 10, 367-370.	1.3	13
35	The use of a dynamic hydrogen electrode as an electrochemical tool to evaluate plasma activated carbon as electrocatalyst support for direct methanol fuel cell. Materials Research Bulletin, 2009, 44, 51-56.	5.2	13
36	Preparation of PtRu/carbon hybrids by hydrothermal carbonization process. Materials Research, 2007, 10, 171-175.	1.3	12

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37	Fabrication of High Precision PEMFC Membrane Electrode Assemblies by Sieve Printing Method. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	12
38	Advancing direct ethanol fuel cell operation at intermediate temperature by combining Nafion-hybrid electrolyte and well-alloyed PtSn/C electrocatalyst. International Journal of Hydrogen Energy, 2021, 46, 13252-13264.	7.1	12
39	Palladium nanoparticles supported on mesoporous biocarbon from coconut shell for ethanol electro-oxidation in alkaline media. Materials for Renewable and Sustainable Energy, 2018, 7, 1.	3.6	11
40	Fuel cell and electrochemical studies of the ethanol electro-oxidation in alkaline media using PtAuIr/C as anodes. Ionics, 2017, 23, 2367-2376.	2.4	9
41	Comparative analysis between mass and volume of catalysts as a criterion to determine the optimal quantity of Nafion ionomer in catalyst layers. International Journal of Hydrogen Energy, 2015, 40, 2840-2849.	7.1	8
42	Preparation of PtRu/C electrocatalysts by hydrothermal carbonization using different carbon sources. Studies in Surface Science and Catalysis, 2010, , 551-554.	1.5	6
43	Electrochemical and impedance spectroscopy studies in H2/O2 and methanol/O2 proton exchange membrane fuel cells. Ionics, 2008, 14, 43-51.	2.4	5
44	PtRu/C Electrocatalysts Prepared Using Gamma and Electron Beam Irradiation for Methanol Electrooxidation. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	5
45	Preparation of PtSn/C electrocatalysts using electron beam irradiation. Studies in Surface Science and Catalysis, 2010, , 555-558.	1.5	4
46	Preparation of PtSn/C skeletal-type electrocatalyst for ethanol oxidation. Studies in Surface Science and Catalysis, 2010, , 559-562.	1.5	4
47	Hybrid SPEEK/Phosphonatedsilsesquioxanes membranes for PEMFC. Nanomaterials and Energy, 2012, 1, 67-76.	0.2	4
48	Desenvolvimento de processo de produÃ§Ã£o de conjuntos eletrodo-membrana-eletrodo para cÃ©lulas a combustÃvel baseadas no uso de membrana polimÃ©rica condutora de prÃ³tons (PEMFC) por impressÃ£o a tela. Quimica Nova, 2011, 34, 96-100.	0.3	4
49	Synthesis and characterization of PtRu/C catalysts obtained by colloidal and deposition methods for fuel cell applications. Materials Research, 2005, 8, 117-120.	1.3	3
50	Fuel Cells and Ethanol: a Technological Advantage. , 0, , .		1
51	Preparation of PtSn/C Electrocatalyst by Successive Reduction for Ethanol Electro-Oxidation. ECS Transactions, 2012, 43, 339-344.	0.5	1
52	Preparation of Pt electrocatalysts by galvanic displacement. Nanomaterials and Energy, 2012, 1, 77-80.	0.2	1
53	Au/TiO2 catalysts prepared by borohydride reduction for preferential CO oxidation at near-ambient temperature. Catalysis for Sustainable Energy, 2019, 6, 6-12.	0.7	1
54	Ethanol Fuel Cell: New Electrocatalysts Systems. , 2005, , .		0

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55	Alternative supports for catalysts preparation for low-temperature fuel cells using the alcohol reduction method. Studies in Surface Science and Catalysis, 2006, , 1009-1016.	1.5	0
56	Development of New Systems of Nano-Disperse Pt-(2%Pt-Ce0.9W0.1O2)/C Electrocatalysts Tolerant to Carbon Monoxide (CO) for PEMFC Anodes. ECS Transactions, 2012, 43, 185-189.	0.5	0
57	Electrocatalysts: Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces (Adv. Mater. 10/2016). Advanced Materials, 2016, 28, 1902-1902.	21.0	0