Giuseppe Camara

List of Publications by Year
in descending order

54 papers	1,835 citations	236612 25 h-index	264894 42 g-index
54 all docs	54 docs citations	54 times ranked	1526 citing authors

#	Article	IF	Citations
1	Ethylene glycol oxidation on carbon supported binary PtM (MÂ=ÂRh, Pd an Ni) electrocatalysts in alkaline media. Journal of Electroanalytical Chemistry, 2021, 880, 114859.	1.9	11
2	How decoration with Tl affects CO electro-oxidation on Pd (1 0 0) nanocubes: In situ FTIR and ab-initio insights. Journal of Electroanalytical Chemistry, 2021, 886, 115149.	1.9	6
3	Platinum single crystal electrodes: Prediction of the surface structures of low and high Miller indexes faces. Results in Surfaces and Interfaces, 2021, 3, 100006.	1.0	10
4	Two-step synthesis of Ir-decorated Pd nanocubes and their impact on the glycerol electrooxidation. Journal of Catalysis, 2019, 377, 358-366.	3.1	19
5	Highly active Pt3Rh/C nanoparticles towards ethanol electrooxidation. Influence of the catalyst structure. Applied Catalysis B: Environmental, 2019, 254, 113-127.	10.8	38
6	Electro-oxidation of ethanol on PtRh surfaces partially covered by Sn. Electrochimica Acta, 2019, 308, 167-173.	2.6	10
7	First Assessments of the Influence of Oxygen Reduction on the Glycerol Electrooxidation Reaction on Pt. Electrocatalysis, 2019, 10, 82-94.	1.5	6
8	How the adsorption of Sn on Pt (100) preferentially oriented nanoparticles affects the pathways of glycerol electro-oxidation. Electrochimica Acta, 2019, 297, 61-69.	2.6	11
9	Oscillatory electro-oxidation of ethanol on platinum studied by in situ ATR-SEIRAS. Electrochimica Acta, 2019, 293, 166-173.	2.6	5
10	Alternative Uses for Biodiesel Byproduct: Glycerol as Source of Energy and High Valuable Chemicals. Green Energy and Technology, 2018, , 159-186.	0.4	14
11	Exponential improving in the activity of Pt/C nanoparticles towards glycerol electrooxidation by Sb ad-atoms deposition. Applied Catalysis B: Environmental, 2017, 200, 114-120.	10.8	45
12	Mobility and Oxidation of Adsorbed CO on Shape-Controlled Pt Nanoparticles in Acidic Medium. Langmuir, 2017, 33, 865-871.	1.6	20
13	All at once: how electrochemistry can be used to design and access multiple compositions in a single sample. Journal of Materials Chemistry A, 2017, 5, 22641-22647.	5.2	2
14	Glycerol Electrooxidation on Platinum-Tin Electrodeposited Films: Inducing Changes in Surface Composition by Cyclic Voltammetry. Electrocatalysis, 2017, 8, 1-10.	1.5	10
15	Estimating the Time-Dependent Performance of Nanocatalysts in Fuel Cells Based on a Cost-Normalization Approach. Journal of the Brazilian Chemical Society, 2016, , .	0.6	2
16	Disentangling Catalytic Activity at Terrace and Step Sites on Selectively Ru-Modified Well-Ordered Pt Surfaces Probed by CO Electro-oxidation. ACS Catalysis, 2016, 6, 2997-3007.	5.5	27
17	How do random superficial defects influence the electro-oxidation of glycerol on Pt(111) surfaces?. Physical Chemistry Chemical Physics, 2016, 18, 25582-25591.	1.3	37
18	The electrooxidation of acetaldehyde on platinumâ€"rutheniumâ€"rhodium surfaces: A delicate balance between oxidation and carbonâ€"carbon bond breaking. Journal of Electroanalytical Chemistry, 2016, 765, 73-78.	1.9	5

#	Article	IF	Citations
19	Rh-decorated PtIrO nanoparticles for glycerol electrooxidation: Searching for a stable and active catalyst. Applied Catalysis B: Environmental, 2016, 181, 445-455.	10.8	32
20	Establishing a Link between Well-Ordered Pt(100) Surfaces and Real Systems: How Do Random Superficial Defects Influence the Electro-oxidation of Glycerol?. ACS Catalysis, 2015, 5, 4227-4236.	5.5	48
21	Understanding the CO Preoxidation and the Intrinsic Catalytic Activity of Step Sites in Stepped Pt Surfaces in Acidic Medium. Journal of Physical Chemistry C, 2015, 119, 20272-20282.	1.5	54
22	Evidence for Independent Glycerol Electrooxidation Behavior on Different Ordered Domains of Polycrystalline Platinum. ChemElectroChem, 2015, 2, 263-268.	1.7	38
23	Oxidation of isotopically-labeled ethanol on platinumâ€"tinâ€"rhodium surfaces: Enhancing the production of CO2 from methyl groups. Electrochemistry Communications, 2014, 48, 160-163.	2.3	7
24	Ethanol vs. glycerol: Understanding the lack of correlation between the oxidation currents and the production of CO2 on Pt nanoparticles. Journal of Electroanalytical Chemistry, 2014, 717-718, 231-236.	1.9	33
25	Agglomeration and Cleaning of Carbon Supported Palladium Nanoparticles in Electrochemical Environment. Electrocatalysis, 2014, 5, 204-212.	1.5	19
26	Obtaining Clean and Well-dispersed Pt NPs with a Microwave-assisted Method. Electrocatalysis, 2014, 5, 279.	1.5	5
27	Remarkable electrochemical stability of one-step synthesized Pd nanoparticles supported on graphene and multi-walled carbon nanotubes. Nano Energy, 2014, 9, 142-151.	8.2	34
28	Ethanol electro-oxidation on partially alloyed Pt-Sn-Rh/C catalysts. Electrochimica Acta, 2014, 147, 483-489.	2.6	47
29	Electrooxidation of glycerol on platinum nanoparticles: Deciphering how the position of each carbon affects the oxidation pathways. Electrochimica Acta, 2013, 112, 686-691.	2.6	51
30	Insights into the electrooxidation of glycolaldehyde on platinum in acidic media. Journal of Electroanalytical Chemistry, 2013, 709, 77-82.	1.9	2
31	Analysis of the selectivity of PtRh/C and PtRhSn/C to the formation of CO2 during ethanol electrooxidation. Electrochimica Acta, 2013, 112, 612-619.	2.6	35
32	Insights into the adsorption and electro-oxidation of glycerol: Self-inhibition and concentration effects. Journal of Catalysis, 2013, 301, 154-161.	3.1	78
33	Platinum nanoparticles produced by EG/PVP method: The effect of cleaning on the electro-oxidation of glycerol. Electrochimica Acta, 2013, 98, 25-31.	2.6	43
34	Influence of the local pH on the electrooxidation of glycerol on Palladiumâ€"Rhodium electrodeposits. Journal of Electroanalytical Chemistry, 2013, 697, 15-20.	1.9	50
35	Electrooxidation of ethanol on Pt and PtRu surfaces investigated by ATR surface-enhanced infrared absorption spectroscopy. Journal of the Brazilian Chemical Society, 2012, 23, 831-837.	0.6	7
36	The electro-oxidation of isotopically labeled glycerol on platinum: New information on Câ€"C bond cleavage and CO2 production. Electrochemistry Communications, 2012, 15, 14-17.	2.3	42

#	Article	IF	Citations
37	New insights about the electro-oxidation of glycerol on platinum nanoparticles supported on multi-walled carbon nanotubes. Electrochimica Acta, 2012, 66, 180-187.	2.6	74
38	PtSnCe/C electrocatalysts for ethanol oxidation: DEFC and FTIR â€œin-situâ€•studies. International Journal of Hydrogen Energy, 2011, 36, 11519-11527.	3.8	55
39	Rhodium in presence of platinum as a facilitator of carbonâ€“carbon bond break: A composition study. Electrochimica Acta, 2011, 56, 1337-1343.	2.6	26
40	Generation of carbon dioxide from glycerol: Evidences of massive production on polycrystalline platinum. Electrochimica Acta, 2011, 56, 4549-4553.	2.6	61
41	Search for multi-functional catalysts: The electrooxidation of acetaldehyde on Platinumâ€"Rutheniumâ€"Rhodium electrodeposits. Journal of Electroanalytical Chemistry, 2011, 660, 85-90.	1.9	6
42	PtSnCe/C and PtSnIr/C Electrocatalysts for Ethanol Oxidation: DEFC and In Situ FTIR studies. ECS Transactions, 2011, 41, 1293-1298.	0.3	1
43	The Electrooxidation of 2-Propanol: An Example of an Alternative Way to Look at In Situ FTIR Data. Electrocatalysis, 2010, 1, 116-121.	1.5	20
44	Methanol electrooxidation at aged PtRu electrodeposits as an approach to understand the effects of time. Journal of Power Sources, 2010, 195, 7221-7224.	4.0	2
45	The formation of carbon dioxide during glycerol electrooxidation in alkaline media: First spectroscopic evidences. Electrochemistry Communications, 2010, 12, 1129-1132.	2.3	94
46	The ethanol electrooxidation reaction at rough PtRu electrodeposits: A FTIRS study. Electrochemistry Communications, 2009, 11, 1586-1589.	2.3	20
47	Preliminary study of ethanol electrooxidation in the presence of sulfate on polycrystalline platinum. Journal of Power Sources, 2008, 185, 853-856.	4.0	22
48	Contributions of External Reflection Infrared Spectroscopy to Study the Oxidation of Small Organic Molecules. , 2007, , 33-61.		5
49	Electrooxidation of isotope-labeled ethanol: a FTIRS study. Journal of Solid State Electrochemistry, 2007, 11, 1465-1469.	1.2	20
50	Catalysis of ethanol electrooxidation by PtRu: the influence of catalyst composition. Electrochemistry Communications, 2004, 6, 812-815.	2.3	170
51	CO tolerance on PtMo/C electrocatalysts prepared by the formic acid method. Electrochimica Acta, 2003, 48, 3527-3534.	2.6	114
52	The CO Poisoning Mechanism of the Hydrogen Oxidation Reaction in Proton Exchange Membrane Fuel Cells. Journal of the Electrochemical Society, 2002, 149, A748.	1.3	166
53	Effect of thermal treatment on the performance of CO-tolerant anodes for polymer electrolyte fuel cells. Electrochemistry Communications, 2000, 2, 222-225.	2.3	74
54	Ethylene Glycol Electro-Oxidation on Platinum-Free Surfaces: How the Composition of PdRuRh Surfaces Influences the Catalysis. Journal of the Brazilian Chemical Society, 0, , .	0.6	2