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	Catalysis of ethanol electrooxidation by PtRu: the influence of catalyst composition. Electrochemistry Communications, 2004, 6, 812-815.	2.3	170
2	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
3	CO tolerance on PtMo/C electrocatalysts prepared by the formic acid method. Electrochimica Acta, 2003, 48, 3527-3534.	2.6	114
4	The formation of carbon dioxide during glycerol electrooxidation in alkaline media: First spectroscopic evidences. Electrochemistry Communications, 2010, 12, 1129-1132.	2.3	94
5	Insights into the adsorption and electro-oxidation of glycerol: Self-inhibition and concentration effects. Journal of Catalysis, 2013, 301, 154-161.	3.1	78
6	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
7	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
8	Generation of carbon dioxide from glycerol: Evidences of massive production on polycrystalline platinum. Electrochimica Acta, 2011, 56, 4549-4553.	2.6	61
9	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
10	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
11	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
12	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
13	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
14	Ethanol electro-oxidation on partially alloyed Pt-Sn-Rh/C catalysts. Electrochimica Acta, 2014, 147, 483-489.	2.6	47
15	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
16	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
17	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
18	Evidence for Independent Glycerol Electrooxidation Behavior on Different Ordered Domains of Polycrystalline Platinum. ChemElectroChem, 2015, 2, 263-268.	1.7	38

#	Article	IF	Citations
19	Highly active Pt3Rh/C nanoparticles towards ethanol electrooxidation. Influence of the catalyst structure. Applied Catalysis B: Environmental, 2019, 254, 113-127.	10.8	38
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Preliminary study of ethanol electrooxidation in the presence of sulfate on polycrystalline platinum. Journal of Power Sources, 2008, 185, 853-856.	4.0	22
28	Electrooxidation of isotope-labeled ethanol: a FTIRS study. Journal of Solid State Electrochemistry, 2007, 11, 1465-1469.	1.2	20
29	The ethanol electrooxidation reaction at rough PtRu electrodeposits: A FTIRS study. Electrochemistry Communications, 2009, 11, 1586-1589.	2.3	20
30	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
31	Mobility and Oxidation of Adsorbed CO on Shape-Controlled Pt Nanoparticles in Acidic Medium. Langmuir, 2017, 33, 865-871.	1.6	20
32	Agglomeration and Cleaning of Carbon Supported Palladium Nanoparticles in Electrochemical Environment. Electrocatalysis, 2014, 5, 204-212.	1.5	19
33	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
34	Alternative Uses for Biodiesel Byproduct: Glycerol as Source of Energy and High Valuable Chemicals. Green Energy and Technology, 2018, , 159-186.	0.4	14
35	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
36	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

#	Article	IF	Citations
37	Glycerol Electrooxidation on Platinum-Tin Electrodeposited Films: Inducing Changes in Surface Composition by Cyclic Voltammetry. Electrocatalysis, 2017, 8, 1-10.	1.5	10
38	Electro-oxidation of ethanol on PtRh surfaces partially covered by Sn. Electrochimica Acta, 2019, 308, 167-173.	2.6	10
39	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
40	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
41	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
42	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
43	First Assessments of the Influence of Oxygen Reduction on the Glycerol Electrooxidation Reaction on Pt. Electrocatalysis, 2019, 10, 82-94.	1.5	6
44	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
45	Contributions of External Reflection Infrared Spectroscopy to Study the Oxidation of Small Organic Molecules. , 2007, , 33-61.		5
46	Obtaining Clean and Well-dispersed Pt NPs with a Microwave-assisted Method. Electrocatalysis, 2014, 5, 279.	1.5	5
47	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
48	Oscillatory electro-oxidation of ethanol on platinum studied by in situ ATR-SEIRAS. Electrochimica Acta, 2019, 293, 166-173.	2.6	5
49	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
50	Insights into the electrooxidation of glycolaldehyde on platinum in acidic media. Journal of Electroanalytical Chemistry, 2013, 709, 77-82.	1.9	2
51	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
52	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
53	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
54	PtSnCe/C and PtSnIr/C Electrocatalysts for Ethanol Oxidation: DEFC and In Situ FTIR studies. ECS Transactions, 2011, 41, 1293-1298.	0.3	1