RubÃ©n Rizo

List of Publications by Year
in descending order

23	1,682	471371 17	713332 21
papers	citations	h-index	g-index

24	24	24	2264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ethanol Electro-oxidation Reaction Selectivity on Platinum in Aqueous Media. ACS Sustainable Chemistry and Engineering, 2023, 11, 4960-4968.	3.2	8
2	Investigating the presence of adsorbed species on Pt steps at low potentials. Nature Communications, 2022, 13, 2550.	5.8	37
3	On the oxidation mechanism of C1-C2 organic molecules on platinum. A comparative analysis. Current Opinion in Electrochemistry, 2021, 25, 100648.	2.5	12
4	Pt-Sn-Co nanocubes as highly active catalysts for ethanol electro-oxidation. Journal of Catalysis, 2021, 393, 247-258.	3.1	20
5	New insights into the hydrogen peroxide reduction reaction and its comparison with the oxygen reduction reaction in alkaline media on well-defined platinum surfaces. Journal of Catalysis, 2021, 398, 123-132.	3.1	14
6	Imaging electrochemically synthesized Cu2O cubes and their morphological evolution under conditions relevant to CO2 electroreduction. Nature Communications, 2020, 11, 3489.	5.8	133
7	Enhanced Formic Acid Oxidation over SnO₂-decorated Pd Nanocubes. ACS Catalysis, 2020, 10, 14540-14551.	5.5	70
8	Investigating the Behavior of Cu-based Catalysts During Electrochemical CO2 Reduction with Liquid Cell Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 902-903.	0.2	0
9	The role of in situ generated morphological motifs and Cu(i) species in C2+ product selectivity during CO2 pulsed electroreduction. Nature Energy, 2020, 5, 317-325.	19.8	398
10	Methanol Oxidation on Graphenic-Supported Platinum Catalysts. Surfaces, 2019, 2, 16-31.	1.0	29
11	Wellâ€Defined Platinum Surfaces for the Ethanol Oxidation Reaction. ChemElectroChem, 2019, 6, 4725-4738.	1.7	33
12	Shape-Controlled Nanoparticles as Anodic Catalysts in Low-Temperature Fuel Cells. ACS Energy Letters, 2019, 4, 1484-1495.	8.8	91
13	Pt-Rich_{core}/Sn-Rich_{subsurface}/Pt_{skin} Nanocubes As Highly Active and Stable Electrocatalysts for the Ethanol Oxidation Reaction. Journal of the American Chemical Society, 2018, 140, 3791-3797.	6.6	166
14	Methanol Oxidation on Bimetallic Electrode Surfaces. , 2018, , 719-729.		2
15	Influence of the nature of the carbon support on the activity of Pt/C catalysts for ethanol and carbon monoxide oxidation. Journal of Catalysis, 2017, 348, 22-28.	3.1	45
16	CO electrooxidation on Sn-modified Pt single crystals in acid media. Journal of Electroanalytical Chemistry, 2017, 800, 32-38.	1.9	25
17	On the design of Pt-Sn efficient catalyst for carbon monoxide and ethanol oxidation in acid and alkaline media. Applied Catalysis B: Environmental, 2017, 200, 246-254.	10.8	110
18	Spectroelectrochemical Study of Carbon Monoxide and Ethanol Oxidation on Pt/C, PtSn(3:1)/C and PtSn(1:1)/C Catalysts. Molecules, 2016, 21, 1225.	1.7	25

#	Article	IF	Citations
19	Ethanol Oxidation on Snâ€modified Pt Singleâ€Crystal Electrodes: New Mechanistic Insights from Onâ€line Electrochemical Mass Spectrometry. ChemElectroChem, 2016, 3, 2196-2201.	1.7	21
20	Towards the understanding of the interfacial pH scale at Pt(1 1 1) electrodes. Electrochimica Acta, 2015, 162, 138-145.	2.6	131
21	Oxygen reduction reaction at Pt single crystals: a critical overview. Catalysis Science and Technology, 2014, 4, 1685.	2.1	167
22	Oxygen reduction reaction on stepped platinum surfaces in alkaline media. Physical Chemistry Chemical Physics, 2013, 15, 15416.	1.3	80
23	Some reflections on the understanding of the oxygen reduction reaction at Pt(111). Beilstein Journal of Nanotechnology, 2013, 4, 956-967.	1.5	65