

RubÃ©n Rizo

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,682
citations

471371

17
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of in situ generated morphological motifs and Cu(i) species in C2+ product selectivity during CO2 pulsed electroreduction. <i>Nature Energy</i> , 2020, 5, 317-325.	19.8	398
2	Oxygen reduction reaction at Pt single crystals: a critical overview. <i>Catalysis Science and Technology</i> , 2014, 4, 1685.	2.1	167
3	Pt-Rich_{core}/Sn-Rich_{subsurface}/Pt_{skin} Nanocubes As Highly Active and Stable Electrocatalysts for the Ethanol Oxidation Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 3791-3797.	6.6	166
4	Imaging electrochemically synthesized Cu2O cubes and their morphological evolution under conditions relevant to CO2 electroreduction. <i>Nature Communications</i> , 2020, 11, 3489.	5.8	133
5	Towards the understanding of the interfacial pH scale at Pt(1 1 1) electrodes. <i>Electrochimica Acta</i> , 2015, 162, 138-145.	2.6	131
6	On the design of Pt-Sn efficient catalyst for carbon monoxide and ethanol oxidation in acid and alkaline media. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 246-254.	10.8	110
7	Shape-Controlled Nanoparticles as Anodic Catalysts in Low-Temperature Fuel Cells. <i>ACS Energy Letters</i> , 2019, 4, 1484-1495.	8.8	91
8	Oxygen reduction reaction on stepped platinum surfaces in alkaline media. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15416.	1.3	80
9	Enhanced Formic Acid Oxidation over SnO₂-decorated Pd Nanocubes. <i>ACS Catalysis</i> , 2020, 10, 14540-14551.	5.5	70
10	Some reflections on the understanding of the oxygen reduction reaction at Pt(111). <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 956-967.	1.5	65
11	Influence of the nature of the carbon support on the activity of Pt/C catalysts for ethanol and carbon monoxide oxidation. <i>Journal of Catalysis</i> , 2017, 348, 22-28.	3.1	45
12	Investigating the presence of adsorbed species on Pt steps at low potentials. <i>Nature Communications</i> , 2022, 13, 2550.	5.8	37
13	Wellâ€Defined Platinum Surfaces for the Ethanol Oxidation Reaction. <i>ChemElectroChem</i> , 2019, 6, 4725-4738.	1.7	33
14	Methanol Oxidation on Graphenic-Supported Platinum Catalysts. <i>Surfaces</i> , 2019, 2, 16-31.	1.0	29
15	Spectroelectrochemical Study of Carbon Monoxide and Ethanol Oxidation on Pt/C, PtSn(3:1)/C and PtSn(1:1)/C Catalysts. <i>Molecules</i> , 2016, 21, 1225.	1.7	25
16	CO electrooxidation on Sn-modified Pt single crystals in acid media. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 32-38.	1.9	25
17	Ethanol Oxidation on Snâ€modified Pt Singleâ€Crystal Electrodes: New Mechanistic Insights from Onâ€line Electrochemical Mass Spectrometry. <i>ChemElectroChem</i> , 2016, 3, 2196-2201.	1.7	21
18	Pt-Sn-Co nanocubes as highly active catalysts for ethanol electro-oxidation. <i>Journal of Catalysis</i> , 2021, 393, 247-258.	3.1	20

#	ARTICLE	IF	CITATIONS
19	New insights into the hydrogen peroxide reduction reaction and its comparison with the oxygen reduction reaction in alkaline media on well-defined platinum surfaces. <i>Journal of Catalysis</i> , 2021, 398, 123-132.	3.1	14
20	On the oxidation mechanism of C1-C2 organic molecules on platinum. A comparative analysis. <i>Current Opinion in Electrochemistry</i> , 2021, 25, 100648.	2.5	12
21	Ethanol Electro-oxidation Reaction Selectivity on Platinum in Aqueous Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 4960-4968.	3.2	8
22	Methanol Oxidation on Bimetallic Electrode Surfaces. , 2018, , 719-729.		2
23	Investigating the Behavior of Cu-based Catalysts During Electrochemical CO ₂ Reduction with Liquid Cell Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 902-903.	0.2	0