Carlos Augusto Campos RoldÃ¡n

List of Publications by Year
in descending order

14 papers	486 citations	932766 10 h-index	1058022 14 g-index
17 all docs	17 docs citations	17 times ranked	803 citing authors

#	Article	IF	Citations
1	Influence of the Carbon Support on the Properties of Platinumâ€“Yttrium Nanoalloys for the Oxygen Reduction Reaction. ACS Applied Energy Materials, 2022, 5, 3319-3328.	2.5	10
2	Understanding the oxophilic effect on the hydrogen electrode reaction through PtM nanostructures. Journal of Solid State Electrochemistry, 2021, 25, 187-194.	1.2	15
3	Rational Design of Carbon-Supported Platinumâ€“Gadolinium Nanoalloys for Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 13519-13529.	5.5	21
4	Enhancing the activity and stability of carbon-supported platinumâ€“gadolinium nanoalloys towards the oxygen reduction reaction. Nanoscale Advances, 2021, 4, 26-29.	2.2	7
5	NiOâ€“Ni/CNT as an Efficient Hydrogen Electrode Catalyst for a Unitized Regenerative Alkaline Microfluidic Cell. ACS Applied Energy Materials, 2020, 3, 4746-4755.	2.5	18
6	Unitized Regenerative Alkaline Microfluidic Cell Based on Platinum Group Metal-Free Electrode Materials. ACS Applied Energy Materials, 2020, 3, 7397-7403.	2.5	11
7	The Oxygen Reduction and Hydrogen Evolution Reactions on Carbon Supported Cobalt Diselenide Nanostructures. Journal of the Electrochemical Society, 2020, 167, 026507.	1.3	13
8	The Hydrogen Oxidation Reaction in Alkaline Medium: An Overview. Electrochemical Energy Reviews, 2019, 2, 312-331.	13.1	56
9	Recent Advances of Cobalt-Based Electrocatalysts for Oxygen Electrode Reactions and Hydrogen Evolution Reaction. Catalysts, 2018, 8, 559.	1.6	107
10	Experimental Protocol for HOR and ORR in Alkaline Electrochemical Measurements. Journal of the Electrochemical Society, 2018, 165, J3001-J3007.	1.3	63
11	The oxophilic and electronic effects on anchored platinum nanoparticles on sp carbon sites: The hydrogen evolution and oxidation reactions in alkaline medium. Electrochimica Acta, 2018, 283, 1829-1834.	2.6	33
12	Influence of the architecture of Au Ag Pt nanoparticles on the electrocatalytic activity for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 30208-30215.	3.8	25
13	Influence of sp³â€“sp² Carbon Nanodomains on Metal/Support Interaction, Catalyst Durability, and Catalytic Activity for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 23260-23269.	4.0	95
14	The Effect of Carbon-Based Substrates onto Non-Precious and Precious Electrocatalytic Centers. ECS Transactions, 2015, 69, 35-42.	0.3	8