Manuel J S Farias

List of Publications by Year
in descending order

17	357	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Site Selectivity for CO Adsorption and Stripping on Stepped and Kinked Platinum Surfaces in Alkaline Medium. Journal of Physical Chemistry C, 2013, 117, 2903-2913.	3.1	57
2	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.	3.1	54
3	Influence of the CO Adsorption Environment on Its Reactivity with (111) Terrace Sites in Stepped Pt Electrodes under Alkaline Media. Journal of Physical Chemistry C, 2014, 118, 1925-1934.	3.1	36
4	Nonuniform Synergistic Effect of Sn and Ru in Site-Specific Catalytic Activity of Pt at Bimetallic Surfaces toward CO Electro-oxidation. ACS Catalysis, 2017, 7, 3434-3445.	11.2	33
5	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.	11.2	27
6	On the behavior of CO oxidation on shape-controlled Pt nanoparticles in alkaline medium. Journal of Electroanalytical Chemistry, 2014, 716, 16-22.	3.8	26
7	On the apparent lack of preferential site occupancy and electrooxidation of CO adsorbed at low coverage onto stepped platinum surfaces. Electrochemistry Communications, 2011, 13, 338-341.	4.7	20
8	Mobility and Oxidation of Adsorbed CO on Shape-Controlled Pt Nanoparticles in Acidic Medium. Langmuir, 2017, 33, 865-871.	3.5	20
9	Site-specific catalytic activity of model platinum surfaces in different electrolytic environments as monitored by the CO oxidation reaction. Journal of Catalysis, 2017, 345, 216-227.	6.2	20
10	Identity of the Most and Least Active Sites for Activation of the Pathways for CO₂ Formation from the Electro-oxidation of Methanol and Ethanol on Platinum. ACS Catalysis, 2020, 10, 543-555.	11.2	18
11	Unraveling the Nature of Active Sites in Ethanol Electro-oxidation by Site-Specific Marking of a Pt Catalyst with Isotope-Labeled 13CO. Journal of Physical Chemistry Letters, 2018, 9, 1206-1210.	4.6	16
12	Determination of Specific Electrocatalytic Sites in the Oxidation of Small Molecules on Crystalline Metal Surfaces. Topics in Current Chemistry, 2019, 377, 5.	5.8	11
13	Monitoring of CO Binding Sites on Stepped Pt Single Crystal Electrodes in Alkaline Solutions by in Situ FTIR Spectroscopy. Langmuir, 2020, 36, 704-714.	3.5	7
14	Requirement of initial long-range substrate structure in unusual CO pre-oxidation on Pt(111) electrodes. Electrochemistry Communications, 2018, 97, 60-63.	4.7	6
15	Surface Defects as Ingredients That Can Improve or Inhibit the Pathways for CO Oxidation at Low Overpotentials Using Pt(111)-Type Catalysts. Journal of Physical Chemistry C, 2020, 124, 26583-26595.	3.1	6
16	Role of dissolved CO in the solution on the origin of CO pre-oxidation on Pt(1 1 1)-Type electrodes. Journal of Electroanalytical Chemistry, 2021, 896, 115382.	3.8	0
17	Determination of Specific Electrocatalytic Sites in the Oxidation of Small Molecules on Crystalline Metal Surfaces. Topics in Current Chemistry Collections, 2020, , 79-103.	0.5	0