ValentÃ-n Briega-Martos

List of Publications by Year
in descending order

22	1,122	623734 14	713466 21
papers	citations	h-index	g-index

22	22	22	1506
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Insights into Pt Dissolution Mechanisms from SFC-ICP-MS Measurements for Well-Defined Surfaces. ECS Meeting Abstracts, 2022, MA2022-01, 1944-1944.	0.0	0
2	Charge effects on the behavior of CTAB adsorbed on Au(111) electrodes in aqueous solutions. Electrochimica Acta, 2021, 370, 137737.	5.2	3
3	Detection of Superoxide Anion Oxygen Reduction Reaction Intermediate on Pt(111) by Infrared Reflection Absorption Spectroscopy in Neutral pH Conditions. Journal of Physical Chemistry Letters, 2021, 12, 1588-1592.	4.6	14
4	Cation Effects on Interfacial Water Structure and Hydrogen Peroxide Reduction on Pt(111). ACS Measurement Science Au, 2021, 1, 48-55.	4.4	6
5	Reduction of Oxide Layers on Au(111): The Interplay between Reduction Rate, Dissolution, and Restructuring. Journal of Physical Chemistry C, 2021, 125, 22698-22704.	3.1	11
6	Direct In Situ Raman Spectroscopic Evidence of Oxygen Reduction Reaction Intermediates at High-Index Pt(hkl) Surfaces. Journal of the American Chemical Society, 2020, 142, 715-719.	13.7	154
7	Hydrogen peroxide and oxygen reduction studies on Pt stepped surfaces: Surface charge effects and mechanistic consequences. Electrochimica Acta, 2020, 334, 135452.	5.2	25
8	Glucose electro-oxidation on Pt(100) in phosphate buffer solution (pH 7): A mechanistic study. Electrochimica Acta, 2020, 354, 136765.	5.2	17
9	Adsorbed Formate is the Last Common Intermediate in the Dual-Path Mechanism of the Electrooxidation of Formic Acid. ACS Catalysis, 2020, 10, 8120-8130.	11.2	36
10	Why the activity of the hydrogen oxidation reaction on platinum decreases as pH increases. Electrochimica Acta, 2020, 354, 136620.	5.2	28
11	Structure effects on electrocatalysts. Oxygen reduction on Te-modified Pt(111) surfaces: Site-blocking vs electronic effects. Journal of Chemical Physics, 2020, 152, 134702.	3.0	2
12	Recent progress on oxygen and hydrogen peroxide reduction reactions on Pt single crystal electrodes. Chinese Journal of Catalysis, 2020, 41, 732-738.	14.0	9
13	Pt(hkl) surface charge and reactivity. Current Opinion in Electrochemistry, 2019, 17, 97-105.	4.8	33
14	Acetonitrile Adsorption on Pt Single-Crystal Electrodes and Its Effect on Oxygen Reduction Reaction in Acidic and Alkaline Aqueous Solutions. Journal of Physical Chemistry C, 2019, 123, 2300-2313.	3.1	19
15	Electrocatalytic enhancement of formic acid oxidation reaction by acetonitrile on well-defined platinum surfaces. Electrochimica Acta, 2019, 295, 835-845.	5.2	14
16	In situ Raman spectroscopic evidence for oxygen reduction reaction intermediates at platinum single-crystal surfaces. Nature Energy, 2019, 4, 60-67.	39.5	478
17	Understandings on the Inhibition of Oxygen Reduction Reaction by Bromide Adsorption on Pt(111) Electrodes at Different pH Values. Journal of the Electrochemical Society, 2018, 165, J3045-J3051.	2.9	20
18	Bromide Adsorption on Pt(111) over a Wide Range of pH: Cyclic Voltammetry and CO Displacement Experiments. Journal of Physical Chemistry C, 2018, 122, 18562-18569.	3.1	17

#	Article	IF	Citations
19	Effect of pH and Water Structure on the Oxygen Reduction Reaction on platinum electrodes. Electrochimica Acta, 2017, 241, 497-509.	5.2	98
20	An Aza-Fused Ï€-Conjugated Microporous Framework Catalyzes the Production of Hydrogen Peroxide. ACS Catalysis, 2017, 7, 1015-1024.	11.2	83
21	The inhibition of hydrogen peroxide reduction at low potentials on Pt(111): Hydrogen adsorption or interfacial charge?. Electrochemistry Communications, 2017, 85, 32-35.	4.7	28
22	Borohydride electro-oxidation on Pt single crystal electrodes. Electrochemistry Communications, 2015, 51, 144-147.	4.7	27