MarÃ-a F Juarez

List of Publications by Year
in descending order

26	723	840776 11	552781 26
papers	citations	h-index	g-index

27	27	27	1228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Composition and Electronic Structure of Mn₃O₄ and Co₃O₄ Cathodes in Zincâ€“Air Batteries: A DFT Study. Journal of Physical Chemistry C, 2022, 126, 2561-2572.	3.1	3
2	Interactions of ions across carbon nanotubes. Physical Chemistry Chemical Physics, 2020, 22, 10603-10608.	2.8	4
3	Role of the Partial Charge Transfer on the Chloride Adlayers on Au(100). ChemElectroChem, 2020, 7, 4269-4282.	3.4	10
4	Interaction between chloride ions mediated by carbon nanotubes: a chemical attraction. Journal of Solid State Electrochemistry, 2020, 24, 3207-3214.	2.5	5
5	Sulfate, Bisulfate, and Hydrogen Co-adsorption on Pt(111) and Au(111) in an Electrochemical Environment. Frontiers in Chemistry, 2020, 8, 634.	3.6	43
6	Hydrogen Oxidation in Alkaline Media: the Bifunctional Mechanism for Water Formation. Electrocatalysis, 2019, 10, 584-590.	3.0	7
7	Tuning the rate of an outer-sphere electron transfer by changing the electronic structure of carbon nanotubes. Journal of Electroanalytical Chemistry, 2019, 847, 113186.	3.8	10
8	An Unusual Exchange Mechanism in the Tafel Reaction on Pt(110)â€(1Ã—1) Surfaces. ChemElectroChem, 2019, 6, 3279-3284.	3.4	4
9	Why are trace amounts of chloride so highly surface-active?. Journal of Electroanalytical Chemistry, 2019, 847, 113128.	3.8	2
10	The initial stage of OH adsorption on Ni(111). Journal of Electroanalytical Chemistry, 2019, 832, 137-141.	3.8	7
11	Defying Coulomb's law: A lattice-induced attraction between lithium ions. Carbon, 2018, 139, 808-812.	10.3	10
12	Oxygen Reduction in Alkaline Mediaâ€”a Discussion. Electrocatalysis, 2017, 8, 554-564.	3.0	17
13	Interaction of Hydrogen with Au Modified by Pd and Rh in View of Electrochemical Applications. Computation, 2016, 4, 26.	2.0	6
14	On the Energetics of Ions in Carbon and Gold Nanotubes. ChemPhysChem, 2016, 17, 78-85.	2.1	19
15	Combined ab initio and XPS Investigations of the Electronic Interactions of Lâ€“Cysteine Adsorbed on GaAs(1 0 0). ChemistrySelect, 2016, 1, 3623-3634.	1.5	1
16	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 29, 362-368.	16.0	15
17	A scenario for oxygen reduction in alkaline media. Nano Energy, 2016, 26, 558-564.	16.0	20
18	Oxygen Reduction on Ag(100) in Alkaline Solutionsâ€”A Theoretical Study. ChemPhysChem, 2016, 17, 500-505.	2.1	12

#	Article	IF	Citations
19	Nanotubes for charge storage â€“ towards an atomistic model. Electrochimica Acta, 2015, 162, 11-16.	5.2	31
20	Role of surface contaminants, functionalities, defects and electronic structure: general discussion. Faraday Discussions, 2014, 172, 365-395.	3.2	1
21	Carbon electrodes for energy storage: general discussion. Faraday Discussions, 2014, 172, 239-260.	3.2	11
22	Spontaneous formation of metallic nanostructures on highly oriented pyrolytic graphite (HOPG): an ab initio and experimental study. Faraday Discussions, 2014, 172, 327-347.	3.2	14
23	Screening of ions in carbon and gold nanotubes â€” A theoretical study. Electrochemistry Communications, 2014, 45, 48-51.	4.7	34
24	Volcano plots in hydrogen electrocatalysis â€“ uses and abuses. Beilstein Journal of Nanotechnology, 2014, 5, 846-854.	2.8	410
25	Electronic Anisotropy at Vicinal Ag(11n) Surfaces: Work Function Changes Induced by Steps and Hydrogen Adsorption. Journal of Physical Chemistry C, 2013, 117, 4606-4618.	3.1	23
26	The role of the organic layer functionalization in the formation of silicon/organic layer/metal junctions with coinage metals. Physical Chemistry Chemical Physics, 2011, 13, 21411.	2.8	4