Mariana I Rojas

List of Publications by Year in Descending Order

31 papers	513 citations	14 h-index	22 g-index
32 ext. papers	552 ext. citations	4.4 avg, IF	3.71 L-index

#	Paper	IF	Citations
31	Changes in electronic structure of graphene by adsorption of low melamine coverages. *Surface Science*, **2022**, 723, 122120	1.8	0
30	Specific adsorption of phosphate species on Ag (111) and Ag (100) electrodes and their effect at low overpotentials of the hydrogen evolution reaction. *Applied Surface Science Advances*, **2021**, 3, 100041	2.6	
29	Morphological and electrochemical characterizations of a carbon nitride/highly oriented pyrolytic graphite electrode. *Journal of Electroanalytical Chemistry*, **2021**, 898, 115621	4.1	1
28	Kinetics and Mechanism of the Hydrogen Peroxide Reduction Reaction on a Graphite Carbon Nitride Sensor. *Journal of Physical Chemistry C*, **2020**, 124, 336-346	3.8	4
27	Differentiated interactions in phosphate solutions: Comparing Ag(111) and Ag(100) surfaces. *Journal of Electroanalytical Chemistry*, **2017**, 799, 487-496	4.1	2
26	The origin of high electrocatalytic activity of hydrogen peroxide reduction reaction by a g-CN/HOPG sensor. *Nanoscale*, **2017**, 9, 11170-11179	7.7	14
25	Electric and structural properties of polymeric graphite carbon nitride (g-C3N4): A Density Functional Theory study. *Computational and Theoretical Chemistry*, **2016**, 1098, 41-49	2	25
24	Experimental and vdW-DFT Study of the Structure, Properties, and Stability of Isonicotinic Acid Self-Assembled Monolayers on Gold. *Journal of Physical Chemistry C*, **2016**, 120, 4364-4372	3.8	3
23	Influence of coadsorbed H in CO dissociation and CHn formation on Fe(1 0 0): A DFT study. *Applied Surface Science*, **2015**, 346, 438-442	6.7	8
22	First-principles studies concerning optimization of hydrogen storage in nanoporous reduced graphite oxide. *International Journal of Hydrogen Energy*, **2014**, 39, 4396-4403	6.7	10
21	A new model for the prediction of oxygen interference in hydrogen storage systems. *International Journal of Hydrogen Energy*, **2014**, 39, 5899-5905	6.7	4
20	First-principles studies of lithium storage in reduced graphite oxide. *Electrochimica Acta*, **2014**, 140, 232-237	6.7	17
19	Curvature effect in the longitudinal unzipping carbon nanotubes. *Journal of Solid State Electrochemistry*, **2013**, 17, 1189-1200	2.6	7
18	Is hydrogen storage possible in metal-doped graphite 2D systems in conditions found on Earth?. *Physical Review Letters*, **2011**, 107, 158701	7.4	49
17	Interferents for hydrogen storage on a graphene sheet decorated with nickel: A DFT study. *International Journal of Hydrogen Energy*, **2011**, 36, 3537-3546	6.7	53
16	The origin of the catalysis of hydrogen peroxide reduction by functionalized graphene surfaces: A density functional theory study. *Electrochimica Acta*, **2010**, 56, 523-530	6.7	50
15	Computer simulation of reversible electrochemical catalyst promoter dosing. *Electrochimica Acta*, **2010**, 55, 8673-8679	6.7	4

14	Computer simulation of the effective double layer occurring on a catalyst surface under electro-chemical promotion conditions. *Journal of Applied Electrochemistry*, **2008**, 38, 1065-1073	2.6	14
13	Density functional theory study of a graphene sheet modified with titanium in contact with different adsorbates. *Physical Review B*, **2007**, 76,	3.3	85
12	Energetic and entropic contributions to the underpotential/overpotential deposition shifts on single crystal surfaces from lattice dynamics. *Electrochimica Acta*, **2006**, 51, 3526-3536	6.7	18
11	Off lattice Monte-Carlo simulations of low-dimensional surface defects and metal deposits on Pt(1 1 1). *Electrochemistry Communications*, **2005**, 7, 472-476	5.1	2
10	Kinetic Monte Carlo simulation of Pt discontinuous thin film formation adsorbed on Au. *Surface Science*, **2005**, 581, L109-L114	1.8	15
9	Off lattice Monte Carlo simulation study for different metal adlayers onto (111) substrates. *Surface Science*, **2004**, 569, 76-88	1.8	14
8	Monte Carlo simulation of properties of monolayers and metal islands adsorbed on metallic (111) surfaces. *Langmuir*, **2004**, 20, 4279-88	4	5
7	2D-drop model applied to the calculation of step formation energies on a (111) substrate. *Surface Science*, **2002**, 499, L135-L140	1.8	9
6	Simulation Study of Pd Submonolayer Films on Au(hkl) and Pt(hkl) and Their Relationship to Underpotential Deposition. *Langmuir*, **2000**, 16, 9539-9546	4	22
5	The oxygen and chlorine evolution reactions at titanium oxide electrodes modified with platinum. *Electrochimica Acta*, **1998**, 43, 1785-1794	6.7	36
4	A theoretical study on the stability of different submonolayers or a monolayer of lead adsorbed on Au(100). *Journal of Electroanalytical Chemistry*, **1996**, 405, 33-38	4.1	0
3	Theoretical Study about the Adsorption of Lead on (111), (100), (110) Monocrystalline Surfaces of Gold. *Zeitschrift Fur Physikalische Chemie*, **1994**, 185, 33-50	3.1	6
2	An extended H□kel/point dipole model for the calculation of dipole potentials for sp metals. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 303, 55-63		4
1	A jellium/point dipoles model for water adsorption on Ag(110). *Surface Science*, **1990**, 227, L121-1124	1.8	8