Gema Cabello

List of Publications by Citations

25 papers	773 citations	14 h-index	25 g-index
25 ext. papers	900 ext. citations	7 avg, IF	4.44 L-index

#	Paper	IF	Citations
25	Mechanism of the Electrocatalytic Oxidation of Formic Acid on Metals. *ACS Catalysis*, **2012**, 2, 728-738	13.1	151
24	Adsorbed formate: the key intermediate in the oxidation of formic acid on platinum electrodes. *Physical Chemistry Chemical Physics*, **2011**, 13, 20091-5	3.6	91
23	Surface-enhanced Raman spectroscopy toward application in plasmonic photocatalysis on metal nanostructures. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2014**, 21, 54-80	16.4	74
22	Synthesis and characterization of EMnO2 nanoneedles for electrochemical supercapacitors. *Electrochimica Acta*, **2018**, 261, 428-435	6.7	73
21	Review of biosensing with whispering-gallery mode lasers. *Light: Science and Applications*, **2021**, 10, 42	16.7	56
20	Electrooxidation of formic acid on gold: An ATR-SEIRAS study of the role of adsorbed formate. *Catalysis Today*, **2013**, 202, 79-86	5.3	54
19	Application of new sol-gel electrochemical sensors to the determination of trace mercury. *Analytica Chimica Acta*, **2008**, 614, 103-11	6.6	35
18	Microwave-Assisted Synthesis of Pt-Au Nanoparticles with Enhanced Electrocatalytic Activity for the Oxidation of Formic Acid. *Electrochimica Acta*, **2017**, 224, 56-63	6.7	33
17	Microwave-assisted synthesis of anatase-TiO2 nanoparticles with catalytic activity in oxygen reduction. *Journal of Electroanalytical Chemistry*, **2017**, 794, 36-42	4.1	29
16	Inorganic frameworks based on bimetallic nanoparticles encapsulated in hollow MnO2 structures. *Applied Catalysis B: Environmental*, **2017**, 218, 192-198	21.8	27
15	CO and trans-cinnamaldehyde as corrosion inhibitors of I825, L80-13Cr and N80 alloys in concentrated HCl solutions at high pressure and temperature. *Electrochimica Acta*, **2013**, 97, 1-9	6.7	25
14	Cu@Au self-assembled nanoparticles as SERS-active substrates for (bio)molecular sensing. *Journal of Alloys and Compounds*, **2019**, 791, 184-192	5.7	16
13	Development of new sol-gel carbon composite electrodes and their application as electrochemical sensors. *Mikrochimica Acta*, **2009**, 164, 405-410	5.8	14
12	The structural intolerance of the PrP alpha-fold for polar substitution of the helix-3 methionines. *Cellular and Molecular Life Sciences*, **2010**, 67, 2825-38	10.3	14
11	Microwave-Electrochemical Deposition of a Fe-Co Alloy with Catalytic Ability in Hydrogen Evolution. *Electrochimica Acta*, **2017**, 235, 480-487	6.7	13
10	Simultaneous time-resolved ATR-SEIRAS and CO-charge displacement experiments: The dynamics of CO adsorption on polycrystalline Pt. *Journal of Electroanalytical Chemistry*, **2017**, 800, 25-31	4.1	13
9	Potential dependent thiocyanate adsorption on gold electrodes: a comparison study between SERS and SHINERS. *Journal of Raman Spectroscopy*, **2016**, 47, 1207-1212	2.3	12

8	Super-Nernstian Shifts of Interfacial Proton-Coupled Electron Transfers: Origin and Effect of Noncovalent Interactions. *Journal of Physical Chemistry C*, **2016**, 120, 15586-15592	3.8	11
7	Non-covalent interactions at electrochemical interfaces: one model fits all?. *Physical Chemistry Chemical Physics*, **2014**, 16, 14281-6	3.6	7
6	Electrochemical Desorption of Thiolates and Sulfur from Nanoparticle and Planar Platinum Surfaces. *Journal of Physical Chemistry C*, **2013**, 117, 7589-7597	3.8	6
5	Inhibition by CO of the corrosion of Fe, Ni, and their alloys in concentrated HCl solutions. *Journal of Electroanalytical Chemistry*, **2011**, 662, 150-156	4.1	6
4	In situ microwave-enhanced electrochemical reactions at stainless steel: Nano-iron for aqueous pollutant degradation. *Electrochemistry Communications*, **2016**, 62, 48-51	5.1	5
3	Physicochemical Tools: Toward a Detailed Understanding of the Architecture of Targeted Radiotherapy Nanoparticles.. *ACS Applied Bio Materials*, **2018**, 1, 1639-1646	4.1	4
2	A method for obtaining in situ external reflectance infrared spectra in strongly acidic solutions using fluorite windows. *Electrochemistry Communications*, **2009**, 11, 616-618	5.1	2
1	The Role of Small Nanoparticles on the Formation of Hot Spots under Microwave-Assisted Hydrothermal Heating. *Inorganic Chemistry*, **2018**, 57, 7252-7258	5.1	2