

# Gema Cabello

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Review of biosensing with whispering-gallery mode lasers. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 42	16.7	56
24	Cu@Au self-assembled nanoparticles as SERS-active substrates for (bio)molecular sensing. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 791, 184-192	5.7	16
23	Synthesis and characterization of MnO <sub>2</sub> nanoneedles for electrochemical supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 261, 428-435	6.7	73
22	Physicochemical Tools: Toward a Detailed Understanding of the Architecture of Targeted Radiotherapy Nanoparticles.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1639-1646	4.1	4
21	The Role of Small Nanoparticles on the Formation of Hot Spots under Microwave-Assisted Hydrothermal Heating. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7252-7258	5.1	2
20	Microwave-assisted synthesis of anatase-TiO <sub>2</sub> nanoparticles with catalytic activity in oxygen reduction. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 794, 36-42	4.1	29
19	Microwave-Electrochemical Deposition of a Fe-Co Alloy with Catalytic Ability in Hydrogen Evolution. <i>Electrochimica Acta</i> , <b>2017</b> , 235, 480-487	6.7	13
18	Microwave-Assisted Synthesis of Pt-Au Nanoparticles with Enhanced Electrocatalytic Activity for the Oxidation of Formic Acid. <i>Electrochimica Acta</i> , <b>2017</b> , 224, 56-63	6.7	33
17	Inorganic frameworks based on bimetallic nanoparticles encapsulated in hollow MnO <sub>2</sub> structures. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 192-198	21.8	27
16	Simultaneous time-resolved ATR-SEIRAS and CO-charge displacement experiments: The dynamics of CO adsorption on polycrystalline Pt. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 800, 25-31	4.1	13
15	Super-Nernstian Shifts of Interfacial Proton-Coupled Electron Transfers: Origin and Effect of Noncovalent Interactions. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 15586-15592	3.8	11
14	In situ microwave-enhanced electrochemical reactions at stainless steel: Nano-iron for aqueous pollutant degradation. <i>Electrochemistry Communications</i> , <b>2016</b> , 62, 48-51	5.1	5
13	Potential dependent thiocyanate adsorption on gold electrodes: a comparison study between SERS and SHINERS. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 1207-1212	2.3	12
12	Non-covalent interactions at electrochemical interfaces: one model fits all?. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14281-6	3.6	7
11	Surface-enhanced Raman spectroscopy toward application in plasmonic photocatalysis on metal nanostructures. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2014</b> , 21, 54-80	16.4	74
10	Electrooxidation of formic acid on gold: An ATR-SEIRAS study of the role of adsorbed formate. <i>Catalysis Today</i> , <b>2013</b> , 202, 79-86	5.3	54
9	Electrochemical Desorption of Thiolates and Sulfur from Nanoparticle and Planar Platinum Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7589-7597	3.8	6

8	CO and trans-cinnamaldehyde as corrosion inhibitors of I825, L80-13Cr and N80 alloys in concentrated HCl solutions at high pressure and temperature. <i>Electrochimica Acta</i> , <b>2013</b> , 97, 1-9	6.7	25
7	Mechanism of the Electrocatalytic Oxidation of Formic Acid on Metals. <i>ACS Catalysis</i> , <b>2012</b> , 2, 728-738	13.1	151
6	Inhibition by CO of the corrosion of Fe, Ni, and their alloys in concentrated HCl solutions. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 662, 150-156	4.1	6
5	Adsorbed formate: the key intermediate in the oxidation of formic acid on platinum electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 20091-5	3.6	91
4	The structural intolerance of the PrP alpha-fold for polar substitution of the helix-3 methionines. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 2825-38	10.3	14
3	Development of new sol-gel carbon composite electrodes and their application as electrochemical sensors. <i>Mikrochimica Acta</i> , <b>2009</b> , 164, 405-410	5.8	14
2	A method for obtaining in situ external reflectance infrared spectra in strongly acidic solutions using fluorite windows. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 616-618	5.1	2
1	Application of new sol-gel electrochemical sensors to the determination of trace mercury. <i>Analytica Chimica Acta</i> , <b>2008</b> , 614, 103-11	6.6	35