

# Margarita Miranda Hernández

## List of Publications by Year in descending order

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33  
papers

697  
citations

567281

15  
h-index

552781

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed characterization of potentiostatic current transients with 2D-2D and 2D-3D nucleation transitions. <i>Surface Science</i> , 1998, 399, 80-95.	1.9	107
2	Modeling and simulation of the fractional space-time diffusion equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 30, 115-127.	3.3	82
3	Characterization and evaluation of Pt-Ru catalyst supported on multi-walled carbon nanotubes by electrochemical impedance. <i>Journal of Power Sources</i> , 2006, 160, 915-924.	7.8	56
4	Identification of different silver nucleation processes on vitreous carbon surfaces from an ammonia electrolytic bath. <i>Journal of Electroanalytical Chemistry</i> , 1998, 443, 81-93.	3.8	53
5	Silver Electrocrystallization onto Carbon Electrodes with Different Surface Morphology: Active Sites vs Surface Features. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4214-4223.	2.6	38
6	Electrodeposition of indium onto Mo/Cu for the deposition of Cu(In,Ga)Se <sub>2</sub> thin films. <i>Electrochimica Acta</i> , 2008, 53, 3714-3721.	5.2	34
7	Characterization of anodic deposits formed on Pb-Ag electrodes during electrolysis in mimic zinc electrowinning solutions with different concentrations of Mn(II). <i>Hydrometallurgy</i> , 2015, 156, 53-62.	4.3	32
8	Electrochemical treatments for selective growth of different calcium carbonate allotropic forms on carbon steel. <i>Water Research</i> , 2004, 38, 173-183.	11.3	28
9	Electrochemical characterization of the different surface states formed in the corrosion of carbon steel in alkaline sour medium. <i>Corrosion Science</i> , 2001, 43, 2305-2324.	6.6	26
10	Structural, optical and photoelectrochemical properties of screen-printed and sintered (CdS) <sub>x</sub> (ZnS) <sub>1-x</sub> (0 < x < 1) films. <i>Solar Energy Materials and Solar Cells</i> , 2003, 77, 25-40.	6.2	25
11	Dispersion effect of Cs-PW particles on multiwalled carbon nanotubes and their electrocatalytic activity on the reduction of bromate. <i>Electrochimica Acta</i> , 2009, 54, 4378-4383.	5.2	24
12	Study of the silver electrodeposition with non-stationary techniques in an ethylamine aqueous medium. <i>Electrochimica Acta</i> , 1997, 42, 2295-2303.	5.2	18
13	Studies on the electrochemical stability of CIGS in H <sub>2</sub> SO <sub>4</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 168, 75-80.	3.9	18
14	Electrochemical reduction of Bicarbonate to Formate with Silver Nanoparticles and Silver Nanoclusters supported on Multiwalled Carbon Nanotubes. <i>Electrochimica Acta</i> , 2017, 246, 1082-1087.	5.2	18
15	Flow distribution and mass transport analysis in cell geometries for redox flow batteries through computational fluid dynamics. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1243-1254.	2.9	16
16	Characterization of carbon fullerene-silicone oil composite paste electrodes. <i>Carbon</i> , 2005, 43, 1961-1967.	10.3	15
17	Electrochemical storage of hydrogen in nanocarbon materials: electrochemical characterization of carbon black matrices. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 264-270.	2.5	14
18	Gold nanoparticles/4-aminothiophenol interfaces for direct electron transfer of horseradish peroxidase: Enzymatic orientation and modulation of sensitivity towards hydrogen peroxide detection. <i>Bioelectrochemistry</i> , 2018, 122, 77-83.	4.6	14

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19	Nanostructured vs. polycrystalline CdS/ZnS thin films for photocatalytic applications. <i>Thin Solid Films</i> , 2003, 425, 127-134.	1.8	11
20	Carbon paste electrodes: correlation between the electrochemical hydrogen storage capacity and the physicochemical properties of carbon blacks. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 646-652.	2.5	10
21	Influence of the major pilA transcriptional regulator in electrochemical responses of <i>Geobacter sulfureducens</i> PilR-deficient mutant biofilm formed on FTO electrodes. <i>Bioelectrochemistry</i> , 2019, 127, 145-153.	4.6	10
22	Multiwalled Carbon Nanotubes anode with low oxygen content for ascorbic acid fuel cells design. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7372-7380.	7.1	9
23	Rotavirus VP6 protein as a bio-electrochemical scaffold: Molecular dynamics and experimental electrochemistry. <i>Bioelectrochemistry</i> , 2019, 127, 180-186.	4.6	8
24	Ab initio computational modeling of the electrochemical reactivity of quinones on gold and glassy carbon electrodes. <i>Electrochimica Acta</i> , 2018, 284, 108-118.	5.2	6
25	Raman and Electrochemical Impedance Studies of Sol-gel Titanium Oxide and Single Walled Carbon Nanotubes Composite Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1596-1603.	0.9	5
26	Poly(vinyl alcohol co-vinyl acetate) as a novel scaffold for mammalian cell culture and controlled drug release. <i>Journal of Materials Science</i> , 2019, 54, 7867-7882.	3.7	5
27	Effect of surface structure on the charge storage capacity of carbon black electrodes. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 271-276.	2.5	4
28	High-temperature tungsten trioxides obtained by concentrated solar energy: physicochemical and electrochemical characterization. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 707-716.	2.5	3
29	Effect of Gaskets Geometry on the Performance of a Reverse Electrodialysis Cell. <i>Energies</i> , 2022, 15, 3361.	3.1	3
30	Design of Bioelectrochemical Interfaces Assisted by Molecular Dynamics Simulations. , 0, , .		2
31	Theoretical study of the chemical interactions between carbon fiber ultramicroelectrodes and the dihydroxybenzene isomers for electrochemical sensor understanding. <i>Electrochimica Acta</i> , 2022, 402, 139576.	5.2	2
32	Use of simplified models for theoretical prediction of the interactions between available antibodies and the receptor-binding domain of SARS-CoV-2 spike protein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-10.	3.5	1
33	Electrochemical Formation of Silver Nanoparticles and Nanoclusters on Multiwall Carbon Nanotube Electrode Films. , 0, , .		0