

# Alia MÃ©ndez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

448  
citations

840585

11  
h-index

794469

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

623  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on SERS-Based Detection of Human Virus Infections: Influenza and Coronavirus. <i>Biosensors</i> , 2021, 11, 66.	2.3	60
2	Electrodeposition, characterization, and antibacterial activity of zinc/silver particle composite coatings. <i>Applied Surface Science</i> , 2015, 342, 34-41.	3.1	56
3	Multifractal Characterization of Nanostructure Surfaces of Electrodeposited Ni-P Coatings. <i>Journal of the Electrochemical Society</i> , 2014, 161, D44-D47.	1.3	47
4	Micromorphological characterization of zinc/silver particle composite coatings. <i>Microscopy Research and Technique</i> , 2015, 78, 1082-1089.	1.2	47
5	Electrochemical Biosensor for Sensitive Quantification of Glyphosate in Maize Kernels. <i>Electroanalysis</i> , 2019, 31, 927-935.	1.5	45
6	Emerging pollutant treatments in wastewater: Cases of antibiotics and hormones. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 235-253.	0.9	43
7	Electrodeposited chrome/silver nanoparticle (Cr/AgNPs) composite coatings: Characterization and antibacterial activity. <i>Journal of Alloys and Compounds</i> , 2017, 710, 302-311.	2.8	32
8	Electrodeposition of antibacterial Zn-Cu/silver nanoparticle (AgNP) composite coatings from an alkaline solution containing glycine and AgNPs. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 328-334.	1.9	20
9	Effect of heat treatment on the hardness and wear resistance of electrodeposited Co-B alloy coatings. <i>Journal of Materials Research and Technology</i> , 2019, 8, 960-968.	2.6	17
10	Biosensors based on oxidative enzymes for detection of environmental pollutants. <i>Biocatalysis</i> , 2016, 1, .	2.3	16
11	The effect of dental LED light-curing unit photoactivation mode on 3D surface morphology of dental nanocomposites evaluated by two-dimensional multifractal detrended fluctuation analysis. <i>Microscopy Research and Technique</i> , 2018, 81, 1223-1230.	1.2	13
12	Biocatalytic spectrophotometric method to detect paracetamol in water samples. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 1046-1056.	0.9	10
13	Indirect Quantification of Glyphosate by SERS Using an Incubation Process With Hemin as the Reporter Molecule: A Contribution to Signal Amplification Mechanism. <i>Frontiers in Chemistry</i> , 2020, 8, 612076.	1.8	8
14	Electrodeposition of Ni-P/SiC Composite Films with High Hardness. , 2016, , .		7
15	The spontaneous decarboxylation of strong carboxylic acid $\hat{\sim}$ carboxylate mixtures and the use of carbon surfaces to trap the released free radicals. <i>Electrochimica Acta</i> , 2017, 245, 472-481.	2.6	7
16	Stereometric Analysis of Effects of Heat Stressing on Micromorphology of Si Single Crystals. <i>Silicon</i> , 2019, 11, 2945-2959.	1.8	7
17	Thermodynamic Study of PEG (MW 20,000) Adsorption in the Presence of Cl <sup>-</sup> Anions onto a Polycrystalline Gold Electrode. <i>Journal of the Electrochemical Society</i> , 2012, 159, F48-F55.	1.3	5
18	Electrodeposition of Co-B/SiC Composite Coatings: Characterization and Evaluation of Wear Volume and Hardness. <i>Coatings</i> , 2019, 9, 279.	1.2	3

#	ARTICLE	IF	CITATIONS
19	The electrocatalytic properties of adsorbed hemin and its nitrosyl adduct on glassy carbon surfaces toward hydroxylamine in aqueous neutral electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 250-256.	1.9	2
20	Microtexture analysis of copper-doped iron oxide thin films prepared by air pneumatic spray. <i>Journal of Microscopy</i> , 0, , .	0.8	2
21	Nucleation and growth mechanism of Cu-Zn/AgNPs composite coatings at different concentrations of silver nanoparticles (AgNPs) in solution. <i>Electrochimica Acta</i> , 2021, 390, 138867.	2.6	1
22	Identification of the Species Produced During of the Adsorption/Desorption Processes of Polyethyleneglycol 20,000 on Platinum in Acid Solutions. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0