

# Angel M MelÃ©ndez

## List of Publications by Year in descending order

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32  
papers

528  
citations

840776

11  
h-index

642732

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Role of Copper Vacancies in Photoelectrochemical CO <sub>2</sub> Reduction on Cuprous Oxide. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3667-3673.	4.6	10
2	Ligand field states and defect levels synergism: A close look at the band alignment of 4T1 Mn-CdS/Bi2S3-co-sensitized photoanodes. <i>Thin Solid Films</i> , 2020, 714, 138393.	1.8	1
3	Limpieza de electrodos y reproducibilidad de medidas de impedancia eléctrica en c�lulas HeLa en soluci�n acuosa. <i>Revista De La Academia Colombiana De Ciencias Exactas, F�sicas Y Naturales</i> , 2020, 44, 257-268.	0.2	4
4	Hidden energy levels? Carrier transport ability of CdS/CdS <sub>1-x</sub> Se <sub>x</sub> quantum dot solar cells impacted by Cd level formation. <i>Nanoscale</i> , 2019, 11, 762-774.	5.6	15
5	An integrated approach to evaluating the effect of associated minerals on copper ammoniacal thiosulfate leaching of a gold-bearing sulfide concentrate. <i>Hydrometallurgy</i> , 2019, 184, 9-21.	4.3	13
6	Controlling the Phase Segregation in Mixed Halide Perovskites through Nanocrystal Size. <i>ACS Energy Letters</i> , 2019, 4, 54-62.	17.4	149
7	Enhanced photoelectrochemical performance of iron and carbon self-doped TiO <sub>2</sub> photoanodes modified with nitrogen. <i>Thin Solid Films</i> , 2018, 653, 326-332.	1.8	8
8	Effect of Metal Substrate on Photo(electro)catalytic Activity of B-Doped Graphene Modified TiO <sub>2</sub> Thin Films: Role of Iron Oxide Nanoparticles at Grain Boundaries of TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2018, 122, 297-306.	3.1	18
9	Evaluation of the capacity of copper(II) adsorption on surface functional groups of natural materials using carbon paste electrodes. <i>Journal of Physics: Conference Series</i> , 2018, 1119, 012020.	0.4	0
10	Composition control by bath temperature and use of supporting electrolyte in electrodeposited mercury cadmium selenide thin films. <i>Journal of Physics: Conference Series</i> , 2018, 1119, 012001.	0.4	0
11	Evaluation of a worn out WC-Co-TiAlN cutting tool used in industry. <i>Journal of Physics: Conference Series</i> , 2018, 1119, 012021.	0.4	0
12	Application of the voltammetry of microparticles for characterizing wear debris produced in the sliding wear regimes of steels. <i>Journal of Physics: Conference Series</i> , 2018, 1119, 012018.	0.4	0
13	The role of boron in the carrier transport improvement of CdSe-sensitized B,N,F-TiO <sub>2</sub> nanotube solar cells: a synergistic strategy. <i>New Journal of Chemistry</i> , 2018, 42, 14481-14492.	2.8	15
14	Fabrication of transparent TiO <sub>2</sub> nanotube-based photoanodes for CdS/CdTe quantum co-sensitized solar cells. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012044.	0.4	5
15	Effect of substrate surface treatment on electrochemically assisted photocatalytic activity of N-S co-doped TiO <sub>2</sub> films. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012045.	0.4	4
16	Simultaneous leaching of Pt, Pd and Rh from automotive catalytic converters in chloride-containing solutions. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012042.	0.4	6
17	Effect of substrate nature on the electrochemical deposition of calcium-deficient hydroxyapatites. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012030.	0.4	1
18	Platinum leaching from automotive catalytic converters with aqua regia. <i>Journal of Physics: Conference Series</i> , 2017, 786, 012043.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Considerations on electrical impedance measurements of electrolyte solutions in a four-electrode cell. <i>Journal of Physics: Conference Series</i> , 2016, 687, 012101.	0.4	12
20	Electrosynthesis and characterization of Hg <sub>1-x</sub> CdxSe films. <i>Journal of Physics: Conference Series</i> , 2015, 582, 012046.	0.4	1
21	Photoanodes modified with reduced graphene oxide to enhance photoelectrocatalytic performance of B-TiO <sub>2</sub> under visible light. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2015, 39, 77.	0.2	11
22	Semiconducting properties of ZnO/TiO <sub>2</sub> composites by electrochemical measurements and their relationship with photocatalytic activity. <i>Electrochimica Acta</i> , 2014, 140, 541-549.	5.2	95
23	Mixed oxide semiconductors based on bismuth for photoelectrochemical applications. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1963-1971.	2.5	12
24	Electrochemical study of orpiment (As <sub>2</sub> S <sub>3</sub> ) dissolution in a NaOH solution. <i>Hydrometallurgy</i> , 2011, 105, 296-303.	4.3	31
25	Electrochemical Aspects of Silver Sulfosalts Dissolution in Acid Thiourea Solution. <i>ECS Transactions</i> , 2011, 36, 491-500.	0.5	1
26	On the Reactivity of Sulfosalts in Cyanide Aqueous Media: Structural, Bonding and Electronic Aspects. <i>ChemPhysChem</i> , 2010, 11, 2879-2886.	2.1	21
27	An Approach to the Reactivity of Isomorphous Proustite (Ag <sub>3</sub> AsS <sub>3</sub> ) and Pyrargyrite (Ag <sub>3</sub> SbS <sub>3</sub> ) in Cyanide Solutions. <i>ECS Transactions</i> , 2010, 28, 191-199.	0.5	6
28	Electrochemical Determination of Minor Elements in Zinc Flotation Concentrates. <i>ECS Transactions</i> , 2010, 28, 259-265.	0.5	2
29	Influence of the Cation Na/Ca/Ag Ratio on the Ion Exchange Rate in Zeolite A-Modified Carbon Paste Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17206-17213.	3.1	7
30	Electrochemical Methodology Based on Carbon Paste Electroactive Electrodes for Determination of Cyanide-Leachable Silver-Bearing Minerals in Flotation Heads. <i>ECS Transactions</i> , 2008, 15, 545-553.	0.5	0
31	The Effect of the Cu <sup>2+</sup> →Cu <sup>+</sup> Step on Copper Electrocrystallization in Acid Noncomplexing Electrolytes. <i>Journal of the Electrochemical Society</i> , 2007, 154, D473.	2.9	36
32	Galvanic interactions between galena and sphalerite and their reactivity. <i>International Journal of Mineral Processing</i> , 2007, 82, 148-155.	2.6	39