Jhonatan Rodriguez Pereira

List of Publications by Citations

41 papers	284 citations	10 h-index	15 g-index
46 ext. papers	432 ext. citations	4.4 avg, IF	3.6 L-index

#	Paper	IF	Citations
41	Catalytic consequences of Ga promotion on Cu for CO2 hydrogenation to methanol. *Catalysis Science and Technology*, **2017**, 7, 3375-3387	5.5	48
40	Unravelling the Photocatalytic Behavior of All-Inorganic Mixed Halide Perovskites: The Role of Surface Chemical States. *ACS Applied Materials & Interfaces*, **2020**, 12, 914-924	9.5	33
39	2D MoS nanosheets on 1D anodic TiO nanotube layers: an efficient co-catalyst for liquid and gas phase photocatalysis. *Nanoscale*, **2019**, 11, 23126-23131	7.7	22
38	An analysis of the effect of zirconium precursors of MOF-808 on its thermal stability, and structural and surface properties. *CrystEngComm*, **2019**, 21, 1407-1415	3.3	20
37	Insights into the role of Zn and Ga in the hydrogenation of CO2 to methanol over Pd. *International Journal of Hydrogen Energy*, **2019**, 44, 16526-16536	6.7	15
36	Influence of immersion cycles during nBi2O3 sensitization on the photoelectrochemical behaviour of NEEodoped TiO2 nanotubes. *Applied Surface Science*, **2017**, 423, 917-926	6.7	15
35	Atomic Layer Deposition of SnO-Coated Anodic One-Dimensional TiO Nanotube Layers for Low Concentration NO Sensing. *ACS Applied Materials & Interfaces*, **2020**, 12, 33386-33396	9.5	13
34	The nature of the active sites of PdGa catalysts in the hydrogenation of CO2 to methanol. *Catalysis Science and Technology*, **2020**, 10, 6644-6658	5.5	13
33	Anodization of electrodeposited titanium films towards TiO2 nanotube layers. *Electrochemistry Communications*, **2020**, 118, 106788	5.1	11
32	Atomic Layer Deposition of MoSe2 Nanosheets on TiO2 Nanotube Arrays for Photocatalytic Dye Degradation and Electrocatalytic Hydrogen Evolution. *ACS Applied Nano Materials*, **2020**, 3, 12034-12045	5.6	11
31	Laser-induced crystallization of anodic TiO nanotube layers.. *RSC Advances*, **2020**, 10, 22137-22145	3.7	10
30	Cyclic Silylselenides: Convenient Selenium Precursors for Atomic Layer Deposition. *ChemPlusChem*, **2020**, 85, 576-579	2.8	8
29	XPS of the surface chemical environment of CsMAFAPbBrI trication-mixed halide perovskite film. *Surface Science Spectra*, **2020**, 27, 024003	1.2	7
28	Engineering Sr-doping for enabling long-term stable FAPb1SrxI3 quantum dots with 100% photoluminescence quantum yield. *Journal of Materials Chemistry C*, **2021**, 9, 1555-1566	7.1	7
27	Efficient and Stable Blue- and Red-Emitting Perovskite Nanocrystals through Defect Engineering: PbX2 Purification. *Chemistry of Materials*, **2021**, 33, 8745-8757	9.6	6
26	Anodic TiO2 nanotube walls reconstructed: Inner wall replaced by ALD TiO2 coating. *Applied Surface Science*, **2021**, 549, 149306	6.7	6
25	Atomic layer deposition of photoelectrocatalytic material on 3D-printed nanocarbon structures. *Journal of Materials Chemistry A*,	13	6

24	TiO Nanotube Layers Decorated with AlO/MoS/AlO as Anode for Li-ion Microbatteries with Enhanced Cycling Stability. *Nanomaterials*, **2020**, 10,	5.4	4
23	Molybdenum diselenide thin films grown by atomic layer deposition: An XPS analysis. *Surface Science Spectra*, **2020**, 27, 024006	1.2	4
22	Amorphous-to-Crystal Transition in Quasi-Two-Dimensional MoS2: Implications for 2D Electronic Devices. *ACS Applied Nano Materials*, **2021**, 4, 8834-8844	5.6	4
21	Cadmium selenide by XPS. *Surface Science Spectra*, **2020**, 27, 014021	1.2	3
20	2D MoTe2 nanosheets by atomic layer deposition: Excellent photo- electrocatalytic properties. *Applied Materials Today*, **2021**, 23, 101017	6.6	3
19	A layered GeSbTe phase change material. *Nanoscale*, **2020**, 12, 3351-3358	7.7	2
18	2D metallic tungsten material. *Applied Surface Science*, **2020**, 530, 147231	6.7	2
17	Bismuth acetate by XPS. *Surface Science Spectra*, **2020**, 27, 024001	1.2	2
16	Molybdenum and Nickel Nanoparticles Synthesis by Laser Ablation towards the Preparation of a Hydrodesulfurization Catalyst. *Catalysts*, **2020**, 10, 1076	4	2
15	Protection of hematite photoelectrodes by ALD-TiO2 capping. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 409, 113126	4.7	2
14	Sildenafil tablet analyzed by XPS. *Surface Science Spectra*, **2020**, 27, 024016	1.2	1
13	Morphology and optical properties of CeF3 and CeF3:Tb nanocrystals: The dominant role of the reaction thermal mode. *Materials Chemistry and Physics*, **2021**, 260, 124161	4.4	1
12	Tunable optical performance in nanosized AgInS2-ZnS solid solution heterostructures due to the precursors ratio modification. *Optical Materials Express*, **2021**, 11, 539	2.6	1
11	Wireless Anodization of Ti in Closed Bipolar Cells. *ChemElectroChem*, **2021**, 8, 3827	4.3	1
10	Effect of modification substrate on the microstructure of hydroxyapatite coating. *Journal of Physics: Conference Series*, **2017**, 786, 012024	0.3	0
9	Niobium ethoxide analyzed by XPS. *Surface Science Spectra*, **2020**, 27, 024014	1.2	0
8	Ligand field states and defect levels synergism: A close look at the band alignment of 4T1-Mn-CdS/Bi2S3-co-sensitized photoanodes. *Thin Solid Films*, **2020**, 714, 138393	2.2	0
7	High-Aspect-Ratio TiO2 Nanotube Layers via Galvanostatic Anodization in an Electrolyte Containing Lactic Acid. *Physica Status Solidi - Rapid Research Letters*, **2021**, 15, 2100146	2.5	0

6	Deposition of MoSe flakes using cyclic selenides.. *RSC Advances*, **2021**, 11, 22140-22147	3.7	0
5	Enhanced optical properties of ZnSexS1-x and Mn-doped ZnSexS1-x QDs via non-toxic synthetic approach. *Materials Chemistry and Physics*, **2022**, 284, 126060	4.4	0
4	Ibuprofen tablet characterized by XPS. *Surface Science Spectra*, **2021**, 28, 014004	1.2	
3	Ruthenium thin film under methanation atmosphere analyzed by x-ray photoelectron spectroscopy. *Surface Science Spectra*, **2019**, 26, 024012	1.2	
2	TiZrN thin films under CO2 and thermal treatment characterized by x-ray photoelectron spectroscopy. *Surface Science Spectra*, **2019**, 26, 024013	1.2	
1	How does the Zn-precursor nature impact carrier transfer in ZnO/Zn-TiO2 nanostructures? organic vs. inorganic anions. *New Journal of Chemistry*, **2019**, 43, 19085-19096	3.6	