

Jhonatan Rodriguez Pereira

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.

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	Enhanced optical properties of ZnSexS1-x and Mn-doped ZnSexS1-x QDs via non-toxic synthetic approach. <i>Materials Chemistry and Physics</i> , 2022 , 284, 126060	4.4	0
40	Efficient and Stable Blue- and Red-Emitting Perovskite Nanocrystals through Defect Engineering: PbX2 Purification. <i>Chemistry of Materials</i> , 2021 , 33, 8745-8757	9.6	6
39	Protection of hematite photoelectrodes by ALD-TiO2 capping. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 409, 113126	4.7	2
38	High-Aspect-Ratio TiO2 Nanotube Layers via Galvanostatic Anodization in an Electrolyte Containing Lactic Acid. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100146	2.5	0
37	Anodic TiO2 nanotube walls reconstructed: Inner wall replaced by ALD TiO2 coating. <i>Applied Surface Science</i> , 2021 , 549, 149306	6.7	6
36	2D MoTe2 nanosheets by atomic layer deposition: Excellent photo- electrocatalytic properties. <i>Applied Materials Today</i> , 2021 , 23, 101017	6.6	3
35	Ibuprofen tablet characterized by XPS. <i>Surface Science Spectra</i> , 2021 , 28, 014004	1.2	
34	Morphology and optical properties of CeF3 and CeF3:Tb nanocrystals: The dominant role of the reaction thermal mode. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124161	4.4	1
33	Tunable optical performance in nanosized AgInS2-ZnS solid solution heterostructures due to the precursor ratio modification. <i>Optical Materials Express</i> , 2021 , 11, 539	2.6	1
32	Engineering Sr-doping for enabling long-term stable FAPb1-xSrxI3 quantum dots with 100% photoluminescence quantum yield. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1555-1566	7.1	7
31	Deposition of MoSe flakes using cyclic selenides.. <i>RSC Advances</i> , 2021 , 11, 22140-22147	3.7	0
30	Wireless Anodization of Ti in Closed Bipolar Cells. <i>ChemElectroChem</i> , 2021 , 8, 3827	4.3	1
29	Amorphous-to-Crystal Transition in Quasi-Two-Dimensional MoS2: Implications for 2D Electronic Devices. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8834-8844	5.6	4
28	Niobium ethoxide analyzed by XPS. <i>Surface Science Spectra</i> , 2020 , 27, 024014	1.2	0
27	TiO Nanotube Layers Decorated with AlO/MoS/AlO as Anode for Li-ion Microbatteries with Enhanced Cycling Stability. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
26	Cadmium selenide by XPS. <i>Surface Science Spectra</i> , 2020 , 27, 014021	1.2	3
25	Laser-induced crystallization of anodic TiO nanotube layers.. <i>RSC Advances</i> , 2020 , 10, 22137-22145	3.7	10

24	Cyclic Silylselenides: Convenient Selenium Precursors for Atomic Layer Deposition. <i>ChemPlusChem</i> , 2020 , 85, 576-579	2.8	8
23	Atomic Layer Deposition of SnO-Coated Anodic One-Dimensional TiO Nanotube Layers for Low Concentration NO Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33386-33396	9.5	13
22	Sildenafil tablet analyzed by XPS. <i>Surface Science Spectra</i> , 2020 , 27, 024016	1.2	1
21	A layered GeSbTe phase change material. <i>Nanoscale</i> , 2020 , 12, 3351-3358	7.7	2
20	Unravelling the Photocatalytic Behavior of All-Inorganic Mixed Halide Perovskites: The Role of Surface Chemical States. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 914-924	9.5	33
19	Anodization of electrodeposited titanium films towards TiO ₂ nanotube layers. <i>Electrochemistry Communications</i> , 2020 , 118, 106788	5.1	11
18	2D metallic tungsten material. <i>Applied Surface Science</i> , 2020 , 530, 147231	6.7	2
17	Atomic Layer Deposition of MoSe ₂ Nanosheets on TiO ₂ Nanotube Arrays for Photocatalytic Dye Degradation and Electrocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020 , 3, 12034-12045	5.6	11
16	The nature of the active sites of PdGa catalysts in the hydrogenation of CO ₂ to methanol. <i>Catalysis Science and Technology</i> , 2020 , 10, 6644-6658	5.5	13
15	Bismuth acetate by XPS. <i>Surface Science Spectra</i> , 2020 , 27, 024001	1.2	2
14	Ligand field states and defect levels synergism: A close look at the band alignment of 4T1-Mn-CdS/Bi ₂ S ₃ -co-sensitized photoanodes. <i>Thin Solid Films</i> , 2020 , 714, 138393	2.2	0
13	XPS of the surface chemical environment of CsMAFAPbBrI trication-mixed halide perovskite film. <i>Surface Science Spectra</i> , 2020 , 27, 024003	1.2	7
12	Molybdenum diselenide thin films grown by atomic layer deposition: An XPS analysis. <i>Surface Science Spectra</i> , 2020 , 27, 024006	1.2	4
11	Molybdenum and Nickel Nanoparticles Synthesis by Laser Ablation towards the Preparation of a Hydrodesulfurization Catalyst. <i>Catalysts</i> , 2020 , 10, 1076	4	2
10	An analysis of the effect of zirconium precursors of MOF-808 on its thermal stability, and structural and surface properties. <i>CrystEngComm</i> , 2019 , 21, 1407-1415	3.3	20
9	Insights into the role of Zn and Ga in the hydrogenation of CO ₂ to methanol over Pd. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16526-16536	6.7	15
8	Ruthenium thin film under methanation atmosphere analyzed by x-ray photoelectron spectroscopy. <i>Surface Science Spectra</i> , 2019 , 26, 024012	1.2	
7	TiZrN thin films under CO ₂ and thermal treatment characterized by x-ray photoelectron spectroscopy. <i>Surface Science Spectra</i> , 2019 , 26, 024013	1.2	

6	How does the Zn-precursor nature impact carrier transfer in ZnO/Zn-TiO ₂ nanostructures? organic vs. inorganic anions. <i>New Journal of Chemistry</i> , 2019 , 43, 19085-19096	3.6	
5	2D MoS nanosheets on 1D anodic TiO nanotube layers: an efficient co-catalyst for liquid and gas phase photocatalysis. <i>Nanoscale</i> , 2019 , 11, 23126-23131	7.7	22
4	Effect of modification substrate on the microstructure of hydroxyapatite coating. <i>Journal of Physics: Conference Series</i> , 2017 , 786, 012024	0.3	0
3	Catalytic consequences of Ga promotion on Cu for CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2017 , 7, 3375-3387	5.5	48
2	Influence of immersion cycles during nBi ₂ O ₃ sensitization on the photoelectrochemical behaviour of Nb-doped TiO ₂ nanotubes. <i>Applied Surface Science</i> , 2017 , 423, 917-926	6.7	15
1	Atomic layer deposition of photoelectrocatalytic material on 3D-printed nanocarbon structures. <i>Journal of Materials Chemistry A</i> ,	13	6