

# Jhonatan Rodriguez Pereira

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/718633/publications.pdf>

Version: 2024-02-01

45  
papers

591  
citations

516215

16  
h-index

642321

23  
g-index

46  
all docs

46  
docs citations

46  
times ranked

796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic consequences of Ga promotion on Cu for CO <sub>2</sub> hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2017, 7, 3375-3387.	2.1	68
2	Unravelling the Photocatalytic Behavior of All-Inorganic Mixed Halide Perovskites: The Role of Surface Chemical States. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 914-924.	4.0	55
3	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.	1.3	39
4	2D MoS <sub>2</sub> nanosheets on 1D anodic TiO <sub>2</sub> nanotube layers: an efficient co-catalyst for liquid and gas phase photocatalysis. <i>Nanoscale</i> , 2019, 11, 23126-23131.	2.8	34
5	Atomic Layer Deposition of SnO <sub>2</sub> -Coated Anodic One-Dimensional TiO <sub>2</sub> Nanotube Layers for Low Concentration NO <sub>2</sub> Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33386-33396.	4.0	28
6	Atomic Layer Deposition of MoSe <sub>2</sub> Nanosheets on TiO <sub>2</sub> Nanotube Arrays for Photocatalytic Dye Degradation and Electrocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 12034-12045.	2.4	25
7	Efficient and Stable Blue- and Red-Emitting Perovskite Nanocrystals through Defect Engineering: PbX <sub>2</sub> Purification. <i>Chemistry of Materials</i> , 2021, 33, 8745-8757.	3.2	24
8	Laser-induced crystallization of anodic TiO <sub>2</sub> nanotube layers. <i>RSC Advances</i> , 2020, 10, 22137-22145.	1.7	23
9	Engineering Sr-doping for enabling long-term stable FAPb <sub>1-x</sub> Sr <sub>x</sub> I <sub>3</sub> quantum dots with 100% photoluminescence quantum yield. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1555-1566.	2.7	23
10	Amorphous-to-Crystal Transition in Quasi-Two-Dimensional MoS <sub>2</sub> : Implications for 2D Electronic Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 8834-8844.	2.4	22
11	The nature of the active sites of Pd-Ga catalysts in the hydrogenation of CO <sub>2</sub> to methanol. <i>Catalysis Science and Technology</i> , 2020, 10, 6644-6658.	2.1	21
12	Atomic layer deposition of photoelectrocatalytic material on 3D-printed nanocarbon structures. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11405-11414.	5.2	21
13	Insights into the role of Zn and Ga in the hydrogenation of CO <sub>2</sub> to methanol over Pd. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16526-16536.	3.8	20
14	Anodic TiO <sub>2</sub> nanotube walls reconstructed: Inner wall replaced by ALD TiO <sub>2</sub> coating. <i>Applied Surface Science</i> , 2021, 549, 149306.	3.1	20
15	Anodization of electrodeposited titanium films towards TiO <sub>2</sub> nanotube layers. <i>Electrochemistry Communications</i> , 2020, 118, 106788.	2.3	19
16	Influence of immersion cycles during Bi <sub>2</sub> O <sub>3</sub> sensitization on the photoelectrochemical behaviour of Cd-doped TiO <sub>2</sub> nanotubes. <i>Applied Surface Science</i> , 2017, 423, 917-926.	3.1	18
17	XPS of the surface chemical environment of CsMAFAPbBr <sub>3</sub> trication-mixed halide perovskite film. <i>Surface Science Spectra</i> , 2020, 27, .	0.3	17
18	2D MoTe <sub>2</sub> nanosheets by atomic layer deposition: Excellent photo- electrocatalytic properties. <i>Applied Materials Today</i> , 2021, 23, 101017.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Molybdenum diselenide thin films grown by atomic layer deposition: An XPS analysis. Surface Science Spectra, 2020, 27, .	0.3	10
20	Cadmium selenide by XPS. Surface Science Spectra, 2020, 27, .	0.3	10
21	TiO <sub>2</sub> Nanotube Layers Decorated with Al <sub>2</sub> O <sub>3</sub> /MoS <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> as Anode for Li-ion Microbatteries with Enhanced Cycling Stability. Nanomaterials, 2020, 10, 953.	1.9	9
22	Cyclic Silylselenides: Convenient Selenium Precursors for Atomic Layer Deposition. ChemPlusChem, 2020, 85, 576-579.	1.3	8
23	Protection of hematite photoelectrodes by ALD-TiO <sub>2</sub> capping. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113126.	2.0	7
24	Improved Ordering of Quasi-Two-Dimensional MoS <sub>2</sub> via an Amorphous-to-Crystal Transition Initiated from Amorphous Sulfur-Rich MoS <sub>2+x</sub> . Crystal Growth and Design, 2022, 22, 3072-3079.	1.4	7
25	Bismuth acetate by XPS. Surface Science Spectra, 2020, 27, .	0.3	6
26	Molybdenum and Nickel Nanoparticles Synthesis by Laser Ablation towards the Preparation of a Hydrodesulfurization Catalyst. Catalysts, 2020, 10, 1076.	1.6	6
27	Tunable optical performance in nanosized AgInS <sub>2</sub> -ZnS solid solution heterostructures due to the precursor's ratio modification. Optical Materials Express, 2021, 11, 539.	1.6	6
28	A layered Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase change material. Nanoscale, 2020, 12, 3351-3358.	2.8	5
29	2D metallic tungsten material. Applied Surface Science, 2020, 530, 147231.	3.1	4
30	Morphology and optical properties of CeF <sub>3</sub> and CeF <sub>3</sub> :Tb nanocrystals: The dominant role of the reaction thermal mode. Materials Chemistry and Physics, 2021, 260, 124161.	2.0	4
31	Wireless Anodization of Ti in Closed Bipolar Cells. ChemElectroChem, 2021, 8, 3827-3831.	1.7	4
32	High Aspect Ratio TiO <sub>2</sub> Nanotube Layers via Galvanostatic Anodization in an Electrolyte Containing Lactic Acid. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100146.	1.2	3
33	Highly Efficient and Controllable Methodology of the Cd <sub>0.25</sub> Zn <sub>0.75</sub> Se/ZnS Core/Shell Quantum Dots Synthesis. Nanomaterials, 2021, 11, 2616.	1.9	3
34	Deposition of MoSe <sub>2</sub> flakes using cyclic selenides. RSC Advances, 2021, 11, 22140-22147.	1.7	2
35	Sildenafil tablet analyzed by XPS. Surface Science Spectra, 2020, 27, 024016.	0.3	2
36	Enhanced optical properties of ZnSexS1-x and Mn-doped ZnSexS1-x QDs via non-toxic synthetic approach. Materials Chemistry and Physics, 2022, 284, 126060.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Effect of modification substrate on the microstructure of hydroxyapatite coating. Journal of Physics: Conference Series, 2017, 786, 012024.	0.3	1
38	How does the Zn-precursor nature impact carrier transfer in ZnO/Zn-TiO <sub>2</sub> nanostructures? organic vs. inorganic anions. New Journal of Chemistry, 2019, 43, 19085-19096.	1.4	1
39	Ligand field states and defect levels synergism: A close look at the band alignment of 4T1 Mn-CdS/Bi <sub>2</sub> S <sub>3</sub> -co-sensitized photoanodes. Thin Solid Films, 2020, 714, 138393.	0.8	1
40	Niobium ethoxide analyzed by XPS. Surface Science Spectra, 2020, 27, 024014.	0.3	1
41	Ruthenium thin film under methanation atmosphere analyzed by x-ray photoelectron spectroscopy. Surface Science Spectra, 2019, 26, 024012.	0.3	0
42	TiZrN thin films under CO <sub>2</sub> and thermal treatment characterized by x-ray photoelectron spectroscopy. Surface Science Spectra, 2019, 26, 024013.	0.3	0
43	Laser Annealing of Anodic TiO <sub>2</sub> Nanotubes: Explosive Solid Phase Crystallization into Anatase. , 2021, , .		0
44	(Invited) Anodic TiO <sub>2</sub> Nanotube Layers: Efficient Photocatalyst. ECS Meeting Abstracts, 2021, MA2021-01, 1928-1928.	0.0	0
45	Ibuprofen tablet characterized by XPS. Surface Science Spectra, 2021, 28, 014004.	0.3	0