

# Rocio Romero

## List of Publications by Year in descending order

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30  
papers

616  
citations

759233

12  
h-index

580821

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and Physicochemical Characterizations of a Cellulosic/CdSe-QDs@S-DAB5 Film. <i>Nanomaterials</i> , 2022, 12, 484.	4.1	4
2	Temperature Accelerated Life Test and Failure Analysis on Upright Metamorphic Ga <sub>0.37</sub> In <sub>0.63</sub> P/Ga <sub>0.83</sub> In <sub>0.17</sub> As/Ge Triple Junction Solar Cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 148-166.	8.1	7
3	Electrodeposition of Single Phase SnS Thin Films: Effect of Electrolytic Bath Temperature on the Final Film Properties. <i>Journal of the Electrochemical Society</i> , 2019, 166, D44-D51.	2.9	9
4	Hematite porous architectures as enhanced air purification photocatalyst. <i>Journal of Alloys and Compounds</i> , 2019, 797, 166-173.	5.5	21
5	Eco-friendly modification of a regenerated cellulose based film by silicon, carbon and N-doped carbon quantum dots. <i>Carbohydrate Polymers</i> , 2019, 206, 238-244.	10.2	38
6	Preliminary analysis of annealing impact on 1 eV GaNAsSb solar cells. , 2017, , .		0
7	Spectrally selective CuS solar absorber coatings on stainless steel and aluminum. <i>Surface and Interface Analysis</i> , 2016, 48, 649-653.	1.8	5
8	Electrodeposition and characterization of composition-graded CdS x Se (1≤x) multilayer thin film structures. <i>Journal of Alloys and Compounds</i> , 2016, 686, 235-244.	5.5	12
9	The Effect of a Sputtered Al-Doped ZnO Seed Layer on the Morphological, Structural and Optical Properties of Electrochemically Grown ZnO Nanorod Arrays. <i>Journal of the Electrochemical Society</i> , 2016, 163, D392-D400.	2.9	25
10	Characterization and stability of a bioactivated alumina nanomembrane for application in flow devices. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 88-93.	4.4	8
11	Laser nano- and micro-structuring of silicon using a laser-induced plasma for beam conditioning. <i>Nanotechnology</i> , 2015, 26, 055303.	2.6	9
12	Effect of the stoichiometry of CuxS thin films on the optical and electrical properties and the solar thermal performance. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 199-208.	6.2	31
13	Design of Nanostructured Selective Surfaces for Solar to Thermal Energy Conversion. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1709, 7.	0.1	0
14	Effect of the deposition temperature on the electrochemical properties of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> cathode prepared by conventional spray-pyrolysis. <i>Journal of Power Sources</i> , 2014, 255, 308-317.	7.8	43
15	Electrochemically grown cobalt-alumina composite layer for solar thermal selective absorbers. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 380-386.	6.2	26
16	Electrochemically grown vertically aligned ZnO nanorod array/p+-Si (100) heterojunction contact diodes. <i>Thin Solid Films</i> , 2013, 548, 235-240.	1.8	9
17	Case study in failure analysis of accelerated life tests (ALT) on III-V commercial triple-junction concentrator solar cells. , 2013, , .		3
18	Emitter diffusion method for extremely thin silicon wafers. , 2011, , .		0

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19	Study of different inorganic oxide thin films as barrier coatings against the corrosion of galvanized steel. Surface and Coatings Technology, 2010, 204, 2060-2063.	4.8	16
20	Efficiency of commercial Cz-Si solar cell with a shallow emitter. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 43-49.	3.5	9
21	Synthesis and characterization of nanostructured nickel oxide thin films prepared with chemical spray pyrolysis. Thin Solid Films, 2010, 518, 4499-4502.	1.8	54
22	Surface and interface study of cermet coatings on aluminized steel by XPS. Surface and Interface Analysis, 2010, 42, 1172-1175.	1.8	2
23	P and Al Diffusion Process for Thin Si Wafers Studied by SEM and EDX. Advances in Science and Technology, 2010, 74, 107-112.	0.2	2
24	Electrochromic behaviour of Nb <sub>2</sub> O <sub>5</sub> thin films with different morphologies obtained by spray pyrolysis. Solar Energy Materials and Solar Cells, 2009, 93, 222-229.	6.2	55
25	Role of Doping and Thickness of Emitter in the Efficiency of Monocrystalline Si Solar Cells. , 2007, , .		1
26	Silver nanowires electrodeposited into nanoporous templates: Study of the influence of sizes on crystallinity and structural properties. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 184-188.	2.7	30
27	ZnO thin films on aluminized steel by spray pyrolysis. Surface and Interface Analysis, 2006, 38, 789-792.	1.8	3
28	In-depth composition study of zirconia-coated steel sheet by XPS. Surface and Interface Analysis, 2006, 38, 277-281.	1.8	5
29	The effects of zinc acetate and zinc chloride precursors on the preferred crystalline orientation of ZnO and Al-doped ZnO thin films obtained by spray pyrolysis. Thin Solid Films, 2006, 515, 1942-1949.	1.8	139
30	Nb <sub>2</sub> O <sub>5</sub> thin films obtained by chemical spray pyrolysis. Surface and Interface Analysis, 2004, 36, 888-891.	1.8	50