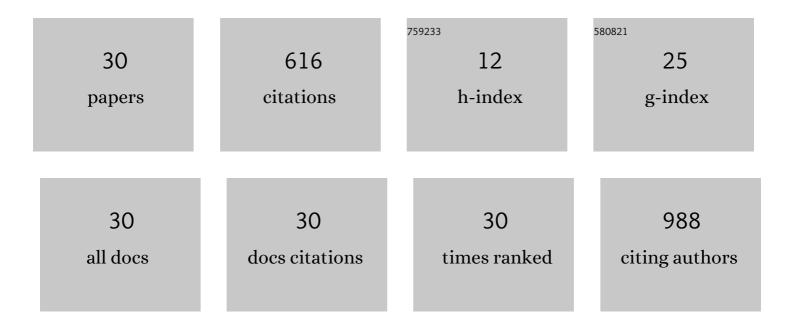
## Rocio Romero

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Electrochromic behaviour of Nb2O5 thin films with different morphologies obtained by spray pyrolysis. Solar Energy Materials and Solar Cells, 2009, 93, 222-229.	6.2	55
3	Synthesis and characterization of nanostructured nickel oxide thin films prepared with chemical spray pyrolysis. Thin Solid Films, 2010, 518, 4499-4502.	1.8	54
4	Nb2O5 thin films obtained by chemical spray pyrolysis. Surface and Interface Analysis, 2004, 36, 888-891.	1.8	50
5	Effect of the deposition temperature on the electrochemical properties of La0.6Sr0.4Co0.8Fe0.2O3â^î^ cathode prepared by conventional spray-pyrolysis. Journal of Power Sources, 2014, 255, 308-317.	7.8	43
6	Eco-friendly modification of a regenerated cellulose based film by silicon, carbon and N-doped carbon quantum dots. Carbohydrate Polymers, 2019, 206, 238-244.	10.2	38
7	Effect of the stoichiometry of CuxS thin films on the optical and electrical properties and the solar thermal performance. Solar Energy Materials and Solar Cells, 2015, 134, 199-208.	6.2	31
8	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
9	Electrochemically grown cobalt-alumina composite layer for solar thermal selective absorbers. Solar Energy Materials and Solar Cells, 2014, 130, 380-386.	6.2	26
10	The Effect of a Sputtered Al-Doped ZnO Seed Layer on the Morphological, Structural and Optical Properties of Electrochemically Grown ZnO Nanorod Arrays. Journal of the Electrochemical Society, 2016, 163, D392-D400.	2.9	25
11	Hematite porous architectures as enhanced air purification photocatalyst. Journal of Alloys and Compounds, 2019, 797, 166-173.	5.5	21
12	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
13	Electrodeposition and characterization of composition-graded CdS x Se (1–x) multilayer thin film structures. Journal of Alloys and Compounds, 2016, 686, 235-244.	5.5	12
14	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
15	Electrochemically grown vertically aligned ZnO nanorod array/p+-Si (100) heterojunction contact diodes. Thin Solid Films, 2013, 548, 235-240.	1.8	9
16	Laser nano- and micro-structuring of silicon using a laser-induced plasma for beam conditioning. Nanotechnology, 2015, 26, 055303.	2.6	9
17	Electrodeposition of Single Phase SnS Thin Films: Effect of Electrolytic Bath Temperature on the Final Film Properties. Journal of the Electrochemical Society, 2019, 166, D44-D51.	2.9	9
18	Characterization and stability of a bioactivated alumina nanomembrane for application in flow devices. Microporous and Mesoporous Materials, 2016, 226, 88-93.	4.4	8

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#	Article	IF	CITATIONS
19	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. Progress in Photovoltaics: Research and Applications, 2020, 28, 148-166.	8.1	7
20	In-depth composition study of zirconia-coated steel sheet by XPS. Surface and Interface Analysis, 2006, 38, 277-281.	1.8	5
21	Spectrally selective CuS solar absorber coatings on stainless steel and aluminum. Surface and Interface Analysis, 2016, 48, 649-653.	1.8	5
22	Optical and Physicochemical Characterizations of a Cellulosic/CdSe-QDs@S-DAB5 Film. Nanomaterials, 2022, 12, 484.	4.1	4
23	ZnO thin films on aluminized steel by spray pyrolysis. Surface and Interface Analysis, 2006, 38, 789-792.	1.8	3
24	Case study in failure analysis of accelerated life tests (ALT) on III-V commercial triple-junction concentrator solar cells. , 2013, , .		3
25	Surface and interface study of cermet coatings on aluminized steel by XPS. Surface and Interface Analysis, 2010, 42, 1172-1175.	1.8	2
26	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
27	Role of Doping and Thickness of Emitter in the Efficiency of Monocrystalline Si Solar Cells. , 2007, , .		1
28	Emitter diffusion method for extremely thin silicon wafers. , 2011, , .		0
29	Design of Nanostructured Selective Surfaces for Solar to Thermal Energy Conversion. Materials Research Society Symposia Proceedings, 2014, 1709, 7.	0.1	0
30	Preliminary analysis of annealing impact on 1 eV GaNAsSb solar cells. , 2017, , .		0