

Alicia Petronela Rambu

List of Publications by Citations

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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.

31 papers	436 citations	13 h-index	20 g-index
32 ext. papers	490 ext. citations	3.5 avg, IF	3.45 L-index

#	Paper	IF	Citations
31	Study on Ni-doped ZnO films as gas sensors. <i>Applied Surface Science</i> , 2013 , 280, 598-604	6.7	65
30	Structural and optical characterization of Al-doped ZnO films prepared by thermal oxidation of evaporated Zn/Al multilayered films. <i>Materials Chemistry and Physics</i> , 2010 , 123, 314-321	4.4	49
29	Influence of Fe-doping on the optical and electrical properties of ZnO films. <i>Superlattices and Microstructures</i> , 2013 , 59, 87-96	2.8	36
28	Optical and electrical properties of thermally oxidized bismuth thin films. <i>Applied Surface Science</i> , 2011 , 257, 10545-10550	6.7	31
27	Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1473-1478	2.1	25
26	Sequential PLD in oxygen/argon gas mixture of Al-doped ZnO thin films with improved electrical and optical properties. <i>Applied Surface Science</i> , 2017 , 418, 456-462	6.7	23
25	Influence of the substrate nature on the properties of ZnO thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 157-163	3.1	22
24	Effect of In incorporation on the structural, electrical, and gas sensing properties of ZnO films. <i>Journal of Materials Science</i> , 2012 , 47, 6979-6985	4.3	21
23	Polycrystalline ZnO _{1-x} In _{2x/3} thin films as gas sensors. <i>Thin Solid Films</i> , 2011 , 520, 1303-1307	2.2	21
22	Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method. <i>Journal of Materials Science</i> , 2013 , 48, 4305-4312	4.3	20
21	Influence of In doping on electro-optical properties of ZnO films. <i>Bulletin of Materials Science</i> , 2013 , 36, 231-237	1.7	19
20	Efficient methane detection by Co doping of ZnO thin films. <i>Superlattices and Microstructures</i> , 2015 , 78, 61-70	2.8	14
19	Effect of preparation conditions on the microstructural characteristics and optical properties of oxidized zinc films. <i>Superlattices and Microstructures</i> , 2010 , 47, 300-307	2.8	14
18	Broadband integrated beam splitter using spatial adiabatic passage. <i>Optics Express</i> , 2018 , 26, 27058-27063	9.3	11
17	Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2675-2684	4	8
16	Influence of the oxidation conditions on the structural characteristics and optical properties of zinc oxide thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010 , 28, 1344-1348	2.9	7
15	Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange. <i>Photonics Research</i> , 2020 , 8, 8	6	6

14	Synthesis and Characterization of Thermally Oxidized ZnO Films. <i>Bulletin of Materials Science</i> , 2014 , 37, 441-448	1.7	5
13	The influence of oxidation time on the properties of oxidized zinc films. <i>Superlattices and Microstructures</i> , 2012 , 52, 577-584	2.8	5
12	Combined effects of p-n heterojunctions and active surface areas in a composite material dedicated to gas sensing applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9837-9844	2.1	4
11	Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films. <i>Materials Chemistry and Physics</i> , 2012 , 135, 123-129	4.4	4
10	Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation. <i>Solid State Sciences</i> , 2012 , 14, 1543-1549	3.4	4
9	Functional properties of ZnO films prepared by thermal oxidation of metallic films. <i>Journal of Applied Physics</i> , 2013 , 113, 234506	2.5	4
8	ON THE ELECTRONIC TRANSPORT MECHANISM IN MAGNETRON-SPUTTERED POLYCRYSTALLINE ZnO THIN FILMS. <i>International Journal of Modern Physics B</i> , 2010 , 24, 6079-6090	1.1	4
7	Microstructure, wettability and optical characteristics of ZnO/In ₂ O ₃ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 266-270	3.1	4
6	Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6802-6813	5.1	3
5	On the mechanism of electrical conduction in thin films of some polysulfone-poly(alkylene oxide)-poly(dimethylsiloxane) block copolymers. <i>Superlattices and Microstructures</i> , 2014 , 65, 91-105	2.8	3
4	Anomalous angular dispersion in lithium niobate one-dimensional waveguide array in the near-infrared wavelength range. <i>Journal of Applied Physics</i> , 2017 , 121, 073101	2.5	2
3	Role of the high vacuum in the precise control of index contrasts and index profiles of LiNbO ₃ waveguides fabricated by high vacuum proton exchange. <i>Optics and Laser Technology</i> , 2019 , 118, 109-114	4.2	1
2	Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths. <i>Optics and Laser Technology</i> , 2019 , 111, 156-162	4.2	1
1	Supermode-based second harmonic generation in a nonlinear interferometer. <i>Optics Express</i> , 2021 , 29, 37175-37188	3.3	0