Alicia Petronela Rambu

List of Publications by Year in Descending Order

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	Supermode-based second harmonic generation in a nonlinear interferometer. *Optics Express*, **2021**, 29, 37175-37188	3.3	0
30	Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange. *Photonics Research*, **2020**, 8, 8	6	6
29	Role of the high vacuum in the precise control of index contrasts and index profiles of LiNbO3 waveguides fabricated by high vacuum proton exchange. *Optics and Laser Technology*, **2019**, 118, 109-114	4.2	1
28	Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths. *Optics and Laser Technology*, **2019**, 111, 156-162	4.2	1
27	Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants. *Environmental Science and Pollution Research*, **2018**, 25, 6802-6813	5.1	3
26	Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange. *Journal of Lightwave Technology*, **2018**, 36, 2675-2684	4	8
25	Broadband integrated beam splitter using spatial adiabatic passage. *Optics Express*, **2018**, 26, 27058-27063	3.3	11
24	Sequential PLD in oxygen/argon gas mixture of Al-doped ZnO thin films with improved electrical and optical properties. *Applied Surface Science*, **2017**, 418, 456-462	6.7	23
23	Anomalous angular dispersion in lithium niobate one-dimensional waveguide array in the near-infrared wavelength range. *Journal of Applied Physics*, **2017**, 121, 073101	2.5	2
22	Combined effects of p□ heterojunctions and active surface areas in a composite material dedicated to gas sensing applications. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 9837-9844	2.1	4
21	Efficient methane detection by Co doping of ZnO thin films. *Superlattices and Microstructures*, **2015**, 78, 61-70	2.8	14
20	Synthesis and Characterization of Thermally Oxidized ZnO Films. *Bulletin of Materials Science*, **2014**, 37, 441-448	1.7	5
19	On the mechanism of electrical conduction in thin films of some polysulfone-poly(alkylene oxide)-poly(dimethylsiloxane) block copolymers. *Superlattices and Microstructures*, **2014**, 65, 91-105	2.8	3
18	Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method. *Journal of Materials Science*, **2013**, 48, 4305-4312	4.3	20
17	Influence of In doping on electro-optical properties of ZnO films. *Bulletin of Materials Science*, **2013**, 36, 231-237	1.7	19
16	Influence of Fe-doping on the optical and electrical properties of ZnO films. *Superlattices and Microstructures*, **2013**, 59, 87-96	2.8	36
15	Functional properties of ZnO films prepared by thermal oxidation of metallic films. *Journal of Applied Physics*, **2013**, 113, 234506	2.5	4

14	Study on Ni-doped ZnO films as gas sensors. *Applied Surface Science*, **2013**, 280, 598-604	6.7	65
13	Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films. *Materials Chemistry and Physics*, **2012**, 135, 123-129	4.4	4
12	Influence of the substrate nature on the properties of ZnO thin films. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2012**, 177, 157-163	3.1	22
11	The influence of oxidation time on the properties of oxidized zinc films. *Superlattices and Microstructures*, **2012**, 52, 577-584	2.8	5
10	Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation. *Solid State Sciences*, **2012**, 14, 1543-1549	3.4	4
9	Effect of In incorporation on the structural, electrical, and gas sensing properties of ZnO films. *Journal of Materials Science*, **2012**, 47, 6979-6985	4.3	21
8	Optical and electrical properties of thermally oxidized bismuth thin films. *Applied Surface Science*, **2011**, 257, 10545-10550	6.7	31
7	Polycrystalline ZnOIn2O3 thin films as gas sensors. *Thin Solid Films*, **2011**, 520, 1303-1307	2.2	21
6	Ni doping effect on electrical conductivity of ZnO nanocrystalline thin films. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 1473-1478	2.1	25
5	Microstructure, wettability and optical characteristics of ZnO/In2O3 thin films. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 266-270	3.1	4
4	Influence of the oxidation conditions on the structural characteristics and optical properties of zinc oxide thin films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2010**, 28, 1344-1348	2.9	7
3	ON THE ELECTRONIC TRANSPORT MECHANISM IN MAGNETRON-SPUTTERED POLYCRYSTALLINE ZnO THIN FILMS. *International Journal of Modern Physics B*, **2010**, 24, 6079-6090	1.1	4
2	Structural and optical characterization of Al-doped ZnO films prepared by thermal oxidation of evaporated Zn/Al multilayered films. *Materials Chemistry and Physics*, **2010**, 123, 314-321	4.4	49
1	Effect of preparation conditions on the microstructural characteristics and optical properties of oxidized zinc films. *Superlattices and Microstructures*, **2010**, 47, 300-307	2.8	14