

Marco S Rodrigues

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. <i>Polymer</i> , 2019, 169, 138-147.	1.8	51
2	Nanoplasmonic response of porous Au-TiO ₂ thin films prepared by oblique angle deposition. <i>Nanotechnology</i> , 2019, 30, 225701.	1.3	33
3	Thin films of Ag@Au nanoparticles dispersed in TiO ₂ : influence of composition and microstructure on the LSPR and SERS responses. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 205102.	1.3	30
4	Nanocomposite thin films based on Au-Ag nanoparticles embedded in a CuO matrix for localized surface plasmon resonance sensing. <i>Applied Surface Science</i> , 2019, 484, 152-168.	3.1	29
5	Gas Sensors Based on Localized Surface Plasmon Resonances: Synthesis of Oxide Films with Embedded Metal Nanoparticles, Theory and Simulation, and Sensitivity Enhancement Strategies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5388.	1.3	29
6	Development of label-free plasmonic Au-TiO ₂ thin film immunosensor devices. <i>Materials Science and Engineering C</i> , 2019, 100, 424-432.	3.8	27
7	Dry Electrodes for Surface Electromyography Based on Architected Titanium Thin Films. <i>Materials</i> , 2020, 13, 2135.	1.3	26
8	Thin films composed of Au nanoparticles embedded in AlN: Influence of metal concentration and thermal annealing on the LSPR band. <i>Vacuum</i> , 2018, 157, 414-421.	1.6	24
9	Optimization of Au:CuO Nanocomposite Thin Films for Gas Sensing with High-Resolution Localized Surface Plasmon Resonance Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 4349-4356.	3.2	22
10	Electron Tomography of Plasmonic Au Nanoparticles Dispersed in a TiO ₂ Dielectric Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42882-42890.	4.0	20
11	Thin films composed of metal nanoparticles (Au, Ag, Cu) dispersed in AlN: The influence of composition and thermal annealing on the structure and plasmonic response. <i>Thin Solid Films</i> , 2019, 676, 12-25.	0.8	20
12	Evolution of the functional properties of titanium@silver thin films for biomedical applications: Influence of in-vacuum annealing. <i>Surface and Coatings Technology</i> , 2015, 261, 262-271.	2.2	19
13	Gas Sensing with Nanoplasmonic Thin Films Composed of Nanoparticles (Au, Ag) Dispersed in a CuO Matrix. <i>Coatings</i> , 2019, 9, 337.	1.2	15
14	Antifungal activity of ZnO thin films prepared by glancing angle deposition. <i>Thin Solid Films</i> , 2019, 687, 137461.	0.8	14
15	Thin films of Au-Al ₂ O ₃ for plasmonic sensing. <i>Applied Surface Science</i> , 2020, 500, 144035.	3.1	13
16	NANOPTICS: In-depth analysis of NANomaterials for OPTICal localized surface plasmon resonance Sensing. <i>SoftwareX</i> , 2020, 12, 100522.	1.2	13
17	Properties of CrN thin films deposited in plasma-activated ABS by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2018, 349, 858-866.	2.2	11
18	Fracture resistance of Ti-Ag thin films deposited on polymeric substrates for biosignal acquisition applications. <i>Surface and Coatings Technology</i> , 2019, 358, 646-653.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Effect of clustering on the surface plasmon band in thin films of metallic nanoparticles. Journal of Nanophotonics, 2014, 9, 093796.	0.4	9
20	Carbon Monoxide (CO) Sensor Based on Au Nanoparticles Embedded in a CuO Matrix by HR-LSPR Spectroscopy at Room Temperature. , 2021, 5, 1-3.		9
21	Modulated IR radiometry for determining thermal properties and basic characteristics of titanium thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 041511.	0.9	8
22	Development of biocompatible plasmonic thin films composed of noble metal nanoparticles embedded in a dielectric matrix to enhance Raman signals. Applied Surface Science, 2019, 496, 143701.	3.1	8
23	Nanocomposite Au-ZnO thin films: Influence of gold concentration and thermal annealing on the microstructure and plasmonic response. Surface and Coatings Technology, 2020, 385, 125379.	2.2	8
24	In-situ annealing transmission electron microscopy of plasmonic thin films composed of bimetallic Au@Ag nanoparticles dispersed in a TiO2 matrix. Vacuum, 2021, 193, 110511.	1.6	8
25	Process monitoring during AlN _x O _y deposition by reactive magnetron sputtering and correlation with the film's properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 021307.	0.9	7
26	Effect of microstructural changes in the biological behavior of magnetron sputtered ZnO thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	0.9	6
27	Enhancing the Sensitivity of Nanoplasmonic Thin Films for Ethanol Vapor Detection. Materials, 2020, 13, 870.	1.3	6
28	Immobilization of Streptavidin on a Plasmonic Au-TiO ₂ Thin Film towards an LSPR Biosensing Platform. Nanomaterials, 2022, 12, 1526.	1.9	6
29	Me-Doped Ti@Me Intermetallic Thin Films Used for Dry Biopotential Electrodes: A Comparative Case Study. Sensors, 2021, 21, 8143.	2.1	5
30	Preparation of Plasmonic Au-TiO ₂ Thin Films on a Transparent Polymer Substrate. Coatings, 2020, 10, 227.	1.2	3
31	Plasmonic Strain Sensors Based on Au-TiO ₂ Thin Films on Flexible Substrates. Sensors, 2022, 22, 1375.	2.1	3