Marco S Rodrigues

List of Publications by Year
in descending order

31	492	623734 14	713466 21
papers	citations	h-index	g-index

31	31	31	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. Polymer, 2019, 169, 138-147.	3.8	51
2	Nanoplasmonic response of porous Au-TiO₂ thin films prepared by oblique angle deposition. Nanotechnology, 2019, 30, 225701.	2.6	33
3	Thin films of Agâ€“Au nanoparticles dispersed in TiO₂: influence of composition and microstructure on the LSPR and SERS responses. Journal Physics D: Applied Physics, 2018, 51, 205102.	2.8	30
4	Nanocomposite thin films based on Au-Ag nanoparticles embedded in a CuO matrix for localized surface plasmon resonance sensing. Applied Surface Science, 2019, 484, 152-168.	6.1	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. Applied Sciences (Switzerland), 2021, 11, 5388.	2.5	29
6	Development of label-free plasmonic Au-TiO2 thin film immunosensor devices. Materials Science and Engineering C, 2019, 100, 424-432.	7.3	27
7	Dry Electrodes for Surface Electromyography Based on Architectured Titanium Thin Films. Materials, 2020, 13, 2135.	2.9	26
8	Thin films composed of Au nanoparticles embedded in AlN: Influence of metal concentration and thermal annealing on the LSPR band. Vacuum, 2018, 157, 414-421.	3.5	24
9	Optimization of Au:CuO Nanocomposite Thin Films for Gas Sensing with High-Resolution Localized Surface Plasmon Resonance Spectroscopy. Analytical Chemistry, 2020, 92, 4349-4356.	6.5	22
10	Electron Tomography of Plasmonic Au Nanoparticles Dispersed in a TiO₂ Dielectric Matrix. ACS Applied Materials & Interfaces, 2018, 10, 42882-42890.	8.0	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. Thin Solid Films, 2019, 676, 12-25.	1.8	20
12	Evolution of the functional properties of titaniumâ€“silver thin films for biomedical applications: Influence of in-vacuum annealing. Surface and Coatings Technology, 2015, 261, 262-271.	4.8	19
13	Gas Sensing with Nanoplasmonic Thin Films Composed of Nanoparticles (Au, Ag) Dispersed in a CuO Matrix. Coatings, 2019, 9, 337.	2.6	15
14	Antifungal activity of ZnO thin films prepared by glancing angle deposition. Thin Solid Films, 2019, 687, 137461.	1.8	14
15	Thin films of Au-Al2O3 for plasmonic sensing. Applied Surface Science, 2020, 500, 144035.	6.1	13
16	NANOPTICS: In-depth analysis of NANomaterials for OPTICal localized surface plasmon resonance Sensing. SoftwareX, 2020, 12, 100522.	2.6	13
17	Properties of CrN thin films deposited in plasma-activated ABS by reactive magnetron sputtering. Surface and Coatings Technology, 2018, 349, 858-866.	4.8	11
18	Fracture resistance of Ti-Ag thin films deposited on polymeric substrates for biosignal acquisition applications. Surface and Coatings Technology, 2019, 358, 646-653.	4.8	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.	1.0	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.	2.1	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.	6.1	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.	4.8	8
24	In-situ annealing transmission electron microscopy of plasmonic thin films composed of bimetallic Auâ€“Ag nanoparticles dispersed in a TiO2 matrix. Vacuum, 2021, 193, 110511.	3.5	8
25	Process monitoring during AlNxOy 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.	2.1	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, .	2.1	6
27	Enhancing the Sensitivity of Nanoplasmonic Thin Films for Ethanol Vapor Detection. Materials, 2020, 13, 870.	2.9	6
28	Immobilization of Streptavidin on a Plasmonic Au-TiO2 Thin Film towards an LSPR Biosensing Platform. Nanomaterials, 2022, 12, 1526.	4.1	6
29	Me-Doped Tiâ€“Me Intermetallic Thin Films Used for Dry Biopotential Electrodes: A Comparative Case Study. Sensors, 2021, 21, 8143.	3.8	5
30	Preparation of Plasmonic Au-TiO2 Thin Films on a Transparent Polymer Substrate. Coatings, 2020, 10, 227.	2.6	3
31	Plasmonic Strain Sensors Based on Au-TiO2 Thin Films on Flexible Substrates. Sensors, 2022, 22, 1375.	3.8	3