# 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 | Plasmonic Strain Sensors Based on Au-TiO2 Thin Films on Flexible Substrates. Sensors, 2022, 22, 1375. | 3.8 | 3 |
| 2 | Immobilization of Streptavidin on a Plasmonic Au-TiO2 Thin Film towards an LSPR Biosensing Platform. Nanomaterials, 2022, 12, 1526. | 4.1 | 6 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Me-Doped Tiâ€“Me Intermetallic Thin Films Used for Dry Biopotential Electrodes: A Comparative Case Study. Sensors, 2021, 21, 8143. | 3.8 | 5 |
| 7 | Thin films of Au-Al2O3 for plasmonic sensing. Applied Surface Science, 2020, 500, 144035. | 6.1 | 13 |
| 8 | Dry Electrodes for Surface Electromyography Based on Architectured Titanium Thin Films. Materials, 2020, 13, 2135. | 2.9 | 26 |
| 9 | NANOPTICS: In-depth analysis of NANomaterials for OPTICal localized surface plasmon resonance Sensing. SoftwareX, 2020, 12, 100522. | 2.6 | 13 |
| 10 | Preparation of Plasmonic Au-TiO2 Thin Films on a Transparent Polymer Substrate. Coatings, 2020, 10, 227. | 2.6 | 3 |
| 11 | 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 |
| 12 | 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 |
| 13 | Enhancing the Sensitivity of Nanoplasmonic Thin Films for Ethanol Vapor Detection. Materials, 2020, 13, 870. | 2.9 | 6 |
| 14 | Antifungal activity of ZnO thin films prepared by glancing angle deposition. Thin Solid Films, 2019, 687, 137461. | 1.8 | 14 |
| 15 | 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 |
| 16 | Gas Sensing with Nanoplasmonic Thin Films Composed of Nanoparticles (Au, Ag) Dispersed in a CuO Matrix. Coatings, 2019, 9, 337. | 2.6 | 15 |
| 17 | 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 |
| 18 | Development of label-free plasmonic Au-TiO2 thin film immunosensor devices. Materials Science and Engineering C, 2019, 100, 424-432. | 7.3 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. Polymer, 2019, 169, 138-147. | 3.8 | 51 |
| 21 | Nanoplasmonic response of porous Au-TiO<sub>2</sub> thin films prepared by oblique angle deposition. Nanotechnology, 2019, 30, 225701. | 2.6 | 33 |
| 22 | 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 |
| 23 | 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 |
| 24 | Thin films of Agâ€“Au nanoparticles dispersed in TiO<sub>2</sub>: influence of composition and microstructure on the LSPR and SERS responses. Journal Physics D: Applied Physics, 2018, 51, 205102. | 2.8 | 30 |
| 25 | Electron Tomography of Plasmonic Au Nanoparticles Dispersed in a TiO<sub>2</sub> Dielectric Matrix. ACS Applied Materials & Interfaces, 2018, 10, 42882-42890. | 8.0 | 20 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | Effect of clustering on the surface plasmon band in thin films of metallic nanoparticles. Journal of Nanophotonics, 2014, 9, 093796. | 1.0 | 9 |
| 31 | 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 |