

Claudia Lopes

List of Publications by Year in descending order

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papers

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430874

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681
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive and biopassive treatment of poly(ethylene terephthalate) multifilament textile yarns to improve/prevent fibroblast viability. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 2213-2226.	3.4	5
2	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
3	Me-Doped Ti ⁶ Me Intermetallic Thin Films Used for Dry Biopotential Electrodes: A Comparative Case Study. Sensors, 2021, 21, 8143.	3.8	5
4	Evolution of the mechanical properties of Ti-based intermetallic thin films doped with different metals to be used as biomedical devices. Applied Surface Science, 2020, 505, 144617.	6.1	22
5	Dry Electrodes for Surface Electromyography Based on Architected Titanium Thin Films. Materials, 2020, 13, 2135.	2.9	26
6	Preparation of Plasmonic Au-TiO ₂ Thin Films on a Transparent Polymer Substrate. Coatings, 2020, 10, 227.	2.6	3
7	Surface functionalization of polypropylene (PP) by chitosan immobilization to enhance human fibroblasts viability. Polymer Testing, 2020, 86, 106507.	4.8	10
8	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
9	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
10	Zr-O-N coatings for decorative purposes: Study of the system stability by exploration of the deposition parameter space. Surface and Coatings Technology, 2018, 343, 30-37.	4.8	23
11	Antibacterial effect and biocompatibility of a novel nanostructured ZnO-coated gutta-percha cone for improved endodontic treatment. Materials Science and Engineering C, 2018, 92, 840-848.	7.3	26
12	Piezoresistive Polymer-Based Materials for Real-Time Assessment of the Stump/Socket Interface Pressure in Lower Limb Amputees. IEEE Sensors Journal, 2017, 17, 2182-2190.	4.7	23
13	Relationship between nano-architected Ti _{1-x} Cu _x thin film and electrical resistivity for resistance temperature detectors. Journal of Materials Science, 2017, 52, 4878-4885.	3.7	16
14	Ag fractals formed on top of a porous TiO ₂ thin film. Physica Status Solidi - Rapid Research Letters, 2016, 10, 530-534.	2.4	13
15	Ag:TiN-Coated Polyurethane for Dry Biopotential Electrodes: From Polymer Plasma Interface Activation to the First EEG Measurements. Plasma Processes and Polymers, 2016, 13, 341-354.	3.0	27
16	Piezoresistive response of nano-architected Ti _x Cu _y thin films for sensor applications. Sensors and Actuators A: Physical, 2016, 247, 105-114.	4.1	17
17	Back Cover: Ag fractals formed on top of a porous TiO ₂ thin film (Phys. Status Solidi RRL) Tj ETQq1 1 0,784314 ggBT /Over	2.4	0
18	Functional behaviour of TiO ₂ films doped with noble metals. Surface Engineering, 2016, 32, 554-561.	2.2	14

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19	Superhydrophilic poly(l-lactic acid) electrospun membranes for biomedical applications obtained by argon and oxygen plasma treatment. <i>Applied Surface Science</i> , 2016, 371, 74-82.	6.1	44
20	Multifunctional Ti ⁺ Me (Me=Al, Cu) thin film systems for biomedical sensing devices. <i>Vacuum</i> , 2015, 122, 353-359.	3.5	20
21	Study of the electrical behavior of nanostructured Ti ⁺ Ag thin films, prepared by Glancing Angle Deposition. <i>Materials Letters</i> , 2015, 157, 188-192.	2.6	13
22	Biological behaviour of thin films consisting of Au nanoparticles dispersed in a TiO ₂ dielectric matrix. <i>Vacuum</i> , 2015, 122, 360-368.	3.5	20
23	Thin films composed of Ag nanoclusters dispersed in TiO ₂ : Influence of composition and thermal annealing on the microstructure and physical responses. <i>Applied Surface Science</i> , 2015, 358, 595-604.	6.1	28
24	Structure dependent resistivity and dielectric characteristics of tantalum oxynitride thin films produced by magnetron sputtering. <i>Applied Surface Science</i> , 2015, 354, 298-305.	6.1	14
25	The influence of nitrogen and oxygen additions on the thermal characteristics of aluminium-based thin films. <i>Materials Chemistry and Physics</i> , 2015, 163, 569-580.	4.0	7
26	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.	4.8	19
27	Modulated IR radiometry for determining thermal properties and basic characteristics of titanium thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, 041511.	2.1	8
28	Growth and size distribution of Au nanoparticles in annealed Au/TiO ₂ thin films. <i>Thin Solid Films</i> , 2014, 553, 138-143.	1.8	12
29	Electrical characterization of Ag:TiN thin films produced by glancing angle deposition. <i>Materials Letters</i> , 2014, 115, 136-139.	2.6	23
30	Nanostructured functional Ti ⁺ Ag electrodes for large deformation sensor applications. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 204-212.	4.1	20
31	Protective Ag:TiO ₂ thin films for pressure sensors in orthopedic prosthesis: the importance of composition, structural and morphological features on the biological response of the coatings. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2069-2081.	3.6	14
32	Influence of the composition of titanium oxynitride layers on the fretting behavior of functionalized titanium substrates: PVD films versus surface laser treatments. <i>Surface and Coatings Technology</i> , 2014, 255, 146-152.	4.8	15
33	TiAg _x thin films for lower limb prosthesis pressure sensors: Effect of composition and structural changes on the electrical and thermal response of the films. <i>Applied Surface Science</i> , 2013, 285, 10-18.	6.1	34
34	Nanocomposite Ag:TiN thin films for dry biopotential electrodes. <i>Applied Surface Science</i> , 2013, 285, 40-48.	6.1	38
35	Magnetron sputtered Ti ⁺ Si ⁺ C thin films prepared at low temperatures. <i>Surface and Coatings Technology</i> , 2007, 201, 7180-7186.	4.8	43