Carlos Fonseca

List of Publications by Year
in descending order

25 papers	918 citations	471509 17 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1243 citing authors

#	Article	IF	Citations
1	Corrosion behaviour of commercially pure titanium shot blasted with different materials and sizes of shot particles for dental implant applications. Biomaterials, 2003, 24, 263-273.	11.4	259
2	Constructing thromboresistant surface on biomedical stainless steel via layer-by-layer deposition anticoagulant. Biomaterials, 2003, 24, 4699-4705.	11.4	106
3	Development of a quasi-dry electrode for EEG recording. Sensors and Actuators A: Physical, 2013, 199, 310-317.	4.1	82
4	Contact Pressure and Flexibility of Multipin Dry EEG Electrodes. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 750-757.	4.9	54
5	Biocompatibility and Calcification of Bovine Pericardium Employed for the Construction of Cardiac Bioprostheses Treated With Different Chemical Crosslink Methods. Artificial Organs, 2010, 34, E168-76.	1.9	41
6	Alginate-based hydrogels as an alternative to electrolytic gels for rapid EEG monitoring and easy cleaning procedures. Sensors and Actuators B: Chemical, 2017, 247, 273-283.	7.8	40
7	How to mitigate impacts of wind farms on bats? A review of potential conservation measures in the European context. Environmental Impact Assessment Review, 2015, 51, 10-22.	9.2	37
8	Ag:TiNâ€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
9	Mechanically robust silver coatings prepared by electroless plating on thermoplastic polyurethane. Applied Surface Science, 2018, 443, 39-47.	6.1	27
10	Comparison of three types of dry electrodes for electroencephalography. Acta IMEKO (2012), 2014, 3, 33.	0.7	25
11	Neural cell growth on TiO2 anatase nanostructured surfaces. Thin Solid Films, 2009, 518, 160-170.	1.8	24
12	Poly(Trimethylene Carbonate-co-Îµ-Caprolactone) Promotes Axonal Growth. PLoS ONE, 2014, 9, e88593.	2.5	24
13	Electrochemical behaviour of titanium coated stainless steel by r.f. sputtering in synthetic sweat solutions for electrode applications. Corrosion Science, 2004, 46, 3005-3018.	6.6	22
14	A highâ€density 256â€channel cap for dry electroencephalography. Human Brain Mapping, 2022, 43, 1295-1308.	3.6	22
15	In-service characterization of a polymer wick-based quasi-dry electrode for rapid pasteless electroencephalography. Biomedizinische Technik, 2018, 63, 349-359.	0.8	21
16	Assessing a novel polymer-wick based electrode for EEG neurophysiological research. Journal of Neuroscience Methods, 2016, 267, 126-131.	2.5	20
17	Development of polymer wicks for the fabrication of bio-medical sensors. Materials Science and Engineering C, 2015, 49, 356-363.	7.3	19
18	Plasma Surface Modification of Polycarbonate and Poly(propylene) Substrates for Biomedical Electrodes. Plasma Processes and Polymers, 2010, 7, 676-686.	3.0	17

#	Article	IF	Citations
19	Electrochemical characterization of nanostructured Ag:TiN thin films produced by glancing angle deposition on polyurethane substrates for bio-electrode applications. Journal of Electroanalytical Chemistry, 2016, 768, 110-120.	3.8	12
20	Electrochemical and structural characterization of nanocomposite Agy:TiNx thin films for dry bioelectrodes: the effect of the N/Ti ratio and Ag content. Electrochimica Acta, 2015, 153, 602-611.	5.2	9
21	Managing coniferous production forests towards bat conservation. Wildlife Research, 2016, 43, 80.	1.4	9
22	The Arch Electrode: A Novel Dry Electrode Concept for Improved Wearing Comfort. Frontiers in Neuroscience, 2021, 15, 748100.	2.8	8
23	Plasma Surface Activation and TiN Coating of a TPV Substrate for Biomedical Applications. Plasma Processes and Polymers, 2011, 8, 1174-1183.	3.0	7
24	Ag:TiN nanocomposite thin films for bioelectrodes: The effect of annealing treatments on the electrical and mechanical behavior. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	2.1	6
25	Signal Quality of Titanium and Titanium Nitride Coated Dry Polymer Electrodes. Biomedizinische Technik, 2012, 57, .	0.8	0