

Marcos J L Santos

List of Publications by Year in descending order

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45
papers

1,162
citations

471061

17
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377514

34
g-index

45
all docs

45
docs citations

45
times ranked

1796
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Semiconductors as Support Material for Electrochemical Biorecognition: Advantages, Properties, and Biofunctionalization. , 2022, , 81-100.		0
2	Efficient acetylcholinesterase immobilization for improved electrochemical performance in polypyrrole nanocomposite-based biosensors for carbaryl pesticide. Sensors and Actuators B: Chemical, 2021, 339, 129875.	4.0	40
3	Self-supported 3D reduced graphene oxide for solid-phase extraction: An efficient and low-cost sorbent for environmental contaminants in aqueous solution. Talanta, 2021, 235, 122750.	2.9	7
4	SPE cartridges with a 3D graphene framework for extraction of triclosan in environmental water. Analytical Methods, 2020, 12, 666-672.	1.3	9
5	Peering into the Formation of Template-Free Hierarchical Flowerlike Nanostructures of SrTiO ₃ . ACS Omega, 2020, 5, 33007-33016.	1.6	5
6	Plasmonic nanobiosensor based on Au nanorods with improved sensitivity: A comparative study for two different configurations. Analytica Chimica Acta, 2019, 1084, 71-77.	2.6	23
7	Tunable graphene oxide inter-sheet distance to obtain graphene oxide-silver nanoparticle hybrids. New Journal of Chemistry, 2019, 43, 1285-1290.	1.4	11
8	Impact of Zr precursor on the electrochemical properties of V ₂ O ₅ sol-gel films. Journal of Electroanalytical Chemistry, 2019, 839, 67-74.	1.9	12
9	Polypyrrole/Ionic Liquid/Au Nanoparticle Counter-Electrodes for Dye-Sensitized Solar Cells: Improving Charge-Transfer Resistance at the CE/Electrolyte Interface. Journal of the Electrochemical Society, 2019, 166, H3188-H3194.	1.3	8
10	3-Mercaptopropionic, 4-Mercaptobenzoic, and Oleic Acid-Capped CdSe Quantum Dots: Interparticle Distance, Anchoring Groups, and Surface Passivation. Journal of Nanomaterials, 2019, 2019, 1-9.	1.5	10
11	BIOSSENSORES PLASMÃNICOS BASEADOS EM ESPALHAMENTO RAMAN INTENSIFICADO POR SUPERFÃCIE UTILIZANDO NANOBASTÃES DE OUROÇ. Quimica Nova, 2019, , .	0.3	0
12	Ionic silsesquioxane-capped Au nanoparticle powders: Application in P3HT/PCBM solar cells and the effect of the capping layer on surface plasmon dumping. Materials Chemistry and Physics, 2018, 206, 204-212.	2.0	4
13	Synergistic interplay of ionic liquid and dodecyl sulphate driving the oxidation state of polypyrrole based electrodes. New Journal of Chemistry, 2018, 42, 13828-13835.	1.4	9
14	Eucalyptus Oil-Mediated Synthesis of Gold Nanoparticles. Journal of Chemistry and Chemical Engineering, 2018, 12, .	0.3	1
15	Simple One-Step Method to Synthesize Polypyrrole-Indigo Carmine-Silver Nanocomposite. Journal of Chemistry, 2016, 2016, 1-8.	0.9	10
16	Simple Approach to Obtain a Localized Surface Plasmon Resonance Sensor Based on poly(dimethylsiloxane)/ Gold Nanoparticles Nanocomposite. Journal of Nanoscience and Nanotechnology, 2016, 16, 10080-10086.	0.9	1
17	Effect of gold nanoparticles on the structural and optical stability of poly (3-hexylthiophene). Polymer Degradation and Stability, 2016, 123, 62-68.	2.7	1
18	Interface Dependent Plasmon Induced Enhancement in Dye-Sensitized Solar Cells Using Gold Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	3

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19	Supramolecular Control in Nanostructured Film Architectures for Detecting Breast Cancer. ACS Applied Materials & Interfaces, 2015, 7, 11833-11841.	4.0	36
20	Enhanced electrochromic properties of a polypyrrole-“indigo carmine” gold nanoparticles nanocomposite. Physical Chemistry Chemical Physics, 2015, 17, 1234-1240.	1.3	32
21	SPR Biosensors Based on Gold and Silver Nanoparticle Multilayer Films. Journal of the Brazilian Chemical Society, 2014, , .	0.6	6
22	TiO ₂ nanotubes sensitized with CdSe via RF magnetron sputtering for photoelectrochemical applications under visible light irradiation. Physical Chemistry Chemical Physics, 2014, 16, 9148-9153.	1.3	25
23	Quantification of ovarian cancer markers with integrated microfluidic concentration gradient and imaging nanohole surface plasmon resonance. Analyst, The, 2013, 138, 1450.	1.7	58
24	Effect of periodicity on the performance of surface plasmon resonance sensors based on subwavelength nanohole arrays. Sensors and Actuators B: Chemical, 2013, 178, 366-370.	4.0	43
25	SPR based biosensor using surface relief grating in transmission mode. Sensors and Actuators B: Chemical, 2012, 174, 270-273.	4.0	25
26	Tailored SERS substrates obtained with cathodic arc plasma ion implantation of gold nanoparticles into a polymer matrix. Physical Chemistry Chemical Physics, 2012, 14, 2050.	1.3	21
27	A new approach to immobilize poly(vinyl alcohol) on poly(dimethylsiloxane) resulting in low protein adsorption. Applied Surface Science, 2011, 257, 10514-10519.	3.1	21
28	Probing the Functionalization of Gold Surfaces and Protein Adsorption by PM-IRRAS. ChemPhysChem, 2011, 12, 1736-1740.	1.0	11
29	Probing speciation inside a conducting polymer matrix by in situ spectroelectrochemistry. Electrochimica Acta, 2011, 56, 3101-3107.	2.6	8
30	Amylopectin-rich starch plasticized with glycerol for polymer electrolyte application. Solid State Ionics, 2010, 181, 586-591.	1.3	71
31	Large-Area Fabrication of Periodic Arrays of Nanoholes in Metal Films and Their Application in Biosensing and Plasmonic-Enhanced Photovoltaics. Advanced Functional Materials, 2010, 20, 3918-3924.	7.8	125
32	pH effects on the ohmic properties of bromophenol blue-doped polypyrrole film. Journal of the Brazilian Chemical Society, 2010, 21, 312-318.	0.6	8
33	Real-time monitoring of self-assembled monolayer using biaxial nanohole arrays. , 2009, , .		0
34	Microfluidic and nanofluidic integration of plasmonic substrates for biosensing. Proceedings of SPIE, 2009, , .	0.8	4
35	Enhancement of the photoelectrochemical response of poly(terthiophenes) by CdS(ZnS) core-shell nanoparticles. Thin Solid Films, 2009, 517, 5523-5529.	0.8	19
36	Optical pH sensitive material based on bromophenol blue-doped polypyrrole. Sensors and Actuators B: Chemical, 2009, 137, 426-431.	4.0	18

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37	Attomolar Protein Detection Using in-Hole Surface Plasmon Resonance. Journal of the American Chemical Society, 2009, 131, 436-437.	6.6	131
38	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. Analytical Chemistry, 2009, 81, 4308-4311.	3.2	264
39	Development of portable SPR sensor devices based on integrated periodic arrays of nanoholes. Proceedings of SPIE, 2009, , .	0.8	0
40	Biaxial nanohole array sensing and optofluidic integration. , 2008, , .		3
41	Nanohole Arrays as Optical and Fluidic Elements for Sensing. , 2008, , .		0
42	Development of plasmonic substrates for biosensing. Proceedings of SPIE, 2008, , .	0.8	5
43	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. Applied Physics Letters, 2008, 92, .	1.5	37
44	Structural and electrochromic study of polypyrrole synthesized with azo and anthraquinone dyes. Journal of Electroanalytical Chemistry, 2006, 591, 27-32.	1.9	34
45	Ressonância de plasmon de superfície localizado e aplicação em biosensores e células solares. Química Nova, 0, , .	0.3	3