

# Marcos J L Santos

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,162  
citations

471061

17  
h-index

377514

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. <i>Analytical Chemistry</i> , 2009, 81, 4308-4311.	3.2	264
2	Attomolar Protein Detection Using in-Hole Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2009, 131, 436-437.	6.6	131
3	Large-Area Fabrication of Periodic Arrays of Nanoholes in Metal Films and Their Application in Biosensing and Plasmonic-Enhanced Photovoltaics. <i>Advanced Functional Materials</i> , 2010, 20, 3918-3924.	7.8	125
4	Amylopectin-rich starch plasticized with glycerol for polymer electrolyte application. <i>Solid State Ionics</i> , 2010, 181, 586-591.	1.3	71
5	Quantification of ovarian cancer markers with integrated microfluidic concentration gradient and imaging nanohole surface plasmon resonance. <i>Analyst</i> , The, 2013, 138, 1450.	1.7	58
6	Effect of periodicity on the performance of surface plasmon resonance sensors based on subwavelength nanohole arrays. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 366-370.	4.0	43
7	Efficient acetylcholinesterase immobilization for improved electrochemical performance in polypyrrole nanocomposite-based biosensors for carbaryl pesticide. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129875.	4.0	40
8	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	37
9	Supramolecular Control in Nanostructured Film Architectures for Detecting Breast Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11833-11841.	4.0	36
10	Structural and electrochromic study of polypyrrole synthesized with azo and anthraquinone dyes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 27-32.	1.9	34
11	Enhanced electrochromic properties of a polypyrrole-“indigo carmine”-gold nanoparticles nanocomposite. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1234-1240.	1.3	32
12	SPR based biosensor using surface relief grating in transmission mode. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 270-273.	4.0	25
13	TiO <sub>2</sub> nanotubes sensitized with CdSe via RF magnetron sputtering for photoelectrochemical applications under visible light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9148-9153.	1.3	25
14	Plasmonic nanobiosensor based on Au nanorods with improved sensitivity: A comparative study for two different configurations. <i>Analytica Chimica Acta</i> , 2019, 1084, 71-77.	2.6	23
15	A new approach to immobilize poly(vinyl alcohol) on poly(dimethylsiloxane) resulting in low protein adsorption. <i>Applied Surface Science</i> , 2011, 257, 10514-10519.	3.1	21
16	Tailored SERS substrates obtained with cathodic arc plasma ion implantation of gold nanoparticles into a polymer matrix. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2050.	1.3	21
17	Enhancement of the photoelectrochemical response of poly(terthiophenes) by CdS(ZnS) core-shell nanoparticles. <i>Thin Solid Films</i> , 2009, 517, 5523-5529.	0.8	19
18	Optical pH sensitive material based on bromophenol blue-doped polypyrrole. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 426-431.	4.0	18

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19	Impact of Zr precursor on the electrochemical properties of V <sub>2</sub> O <sub>5</sub> sol-gel films. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 67-74.	1.9	12
20	Probing the Functionalization of Gold Surfaces and Protein Adsorption by PM <sup>+</sup> RRAS. <i>ChemPhysChem</i> , 2011, 12, 1736-1740.	1.0	11
21	Tunable graphene oxide inter-sheet distance to obtain graphene oxide-silver nanoparticle hybrids. <i>New Journal of Chemistry</i> , 2019, 43, 1285-1290.	1.4	11
22	Simple One-Step Method to Synthesize Polypyrrole-Indigo Carmine-Silver Nanocomposite. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	0.9	10
23	3-Mercaptopropionic, 4-Mercaptobenzoic, and Oleic Acid-Capped CdSe Quantum Dots: Interparticle Distance, Anchoring Groups, and Surface Passivation. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-9.	1.5	10
24	Synergistic interplay of ionic liquid and dodecyl sulphate driving the oxidation state of polypyrrole based electrodes. <i>New Journal of Chemistry</i> , 2018, 42, 13828-13835.	1.4	9
25	SPE cartridges with a 3D graphene framework for extraction of triclosan in environmental water. <i>Analytical Methods</i> , 2020, 12, 666-672.	1.3	9
26	pH effects on the ohmic properties of bromophenol blue-doped polypyrrole film. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 312-318.	0.6	8
27	Probing speciation inside a conducting polymer matrix by in situ spectroelectrochemistry. <i>Electrochimica Acta</i> , 2011, 56, 3101-3107.	2.6	8
28	Polypyrrole/Ionic Liquid/Au Nanoparticle Counter-Electrodes for Dye-Sensitized Solar Cells: Improving Charge-Transfer Resistance at the CE/Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3188-H3194.	1.3	8
29	Self-supported 3D reduced graphene oxide for solid-phase extraction: An efficient and low-cost sorbent for environmental contaminants in aqueous solution. <i>Talanta</i> , 2021, 235, 122750.	2.9	7
30	SPR Biosensors Based on Gold and Silver Nanoparticle Multilayer Films. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	6
31	Development of plasmonic substrates for biosensing. <i>Proceedings of SPIE</i> , 2008, , .	0.8	5
32	Peering into the Formation of Template-Free Hierarchical Flowerlike Nanostructures of SrTiO <sub>3</sub> . <i>ACS Omega</i> , 2020, 5, 33007-33016.	1.6	5
33	Microfluidic and nanofluidic integration of plasmonic substrates for biosensing. <i>Proceedings of SPIE</i> , 2009, , .	0.8	4
34	Ionic silsesquioxane-capped Au nanoparticle powders: Application in P3HT/PCBM solar cells and the effect of the capping layer on surface plasmon dumping. <i>Materials Chemistry and Physics</i> , 2018, 206, 204-212.	2.0	4
35	Biaxial nanohole array sensing and optofluidic integration. , 2008, , .		3
36	Interface Dependent Plasmon Induced Enhancement in Dye-Sensitized Solar Cells Using Gold Nanoparticles. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	3

#	ARTICLE	IF	CITATIONS
37	Ressonância de plasmon de superfície localizado e aplicação em biossensores e células solares. Química Nova, 0, , .	0.3	3
38	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
39	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
40	Eucalyptus Oil-Mediated Synthesis of Gold Nanoparticles. Journal of Chemistry and Chemical Engineering, 2018, 12, .	0.3	1
41	Nanohole Arrays as Optical and Fluidic Elements for Sensing. , 2008, , .		0
42	Real-time monitoring of self-assembled monolayer using biaxial nanohole arrays. , 2009, , .		0
43	Development of portable SPR sensor devices based on integrated periodic arrays of nanoholes. Proceedings of SPIE, 2009, , .	0.8	0
44	BIOSENSORES PLASMÔNICOS BASEADOS EM ESPALHAMENTO RAMAN INTENSIFICADO POR SUPERFÍCIE UTILIZANDO NANOBASTÕES DE OURO. Química Nova, 2019, , .	0.3	0
45	Organic Semiconductors as Support Material for Electrochemical Biorecognition: Advantages, Properties, and Biofunctionalization. , 2022, , 81-100.		0