Jaime Castillo-LeÃ³n

List of Publications by Year
in descending order

32 papers	801 citations	687363 13 h-index	526287 27 g-index
33 all docs	33 docs citations	33 times ranked	1255 citing authors

#	Article	IF	Citations
1	Commercially available rapid diagnostic tests for the detection of high priority pathogens: status and challenges. Analyst, The, 2021, 146, 3750-3776.	3.5	10
2	pyEIA: A Python-based framework for data analysis of electrochemical methods for immunoassays. SoftwareX, 2021, 15, 100720.	2.6	8
3	Diphenylalanine Peptide Nanowires as a Substrate for Neural Cultures. BioNanoScience, 2020, 10, 224-234.	3.5	3
4	Spectroscopic investigations of arrays containing vertically and horizontally aligned silicon nanowires. Materials Research Express, 2016, 3, 125021.	1.6	1
5	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors. , 2016, , 1125-1142.		1
6	Fabrication of Nanostructures Using Self-Assembled Peptides as Templates: The Diphenylalanine Case. , 2015, , 21-31.		2
7	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors. , 2015, , 1-15.		3
8	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
9	Combined Cell Culture-Biosensing Platform Using Vertically Aligned Patterned Peptide Nanofibers for Cellular Studies. ACS Applied Materials & Interfaces, 2013, 5, 3323-3328.	8.0	28
10	Doped overoxidized polypyrrole microelectrodes as sensors for the detection of dopamine released from cell populations. Analyst, The, 2013, 138, 3651.	3.5	64
11	Fabrication and characterization of PEDOT nanowires based on self-assembled peptide nanotube lithography. Organic Electronics, 2013, 14, 1370-1375.	2.6	12
12	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. Chemical Physics Letters, 2013, 564, 60-64.	2.6	12
13	Non-covalent conjugates of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors. Journal of Materials Chemistry B, 2013, 1, 1475.	5.8	45
14	Detection of cancer cells using a peptidenanotubeâ€“folic acid modified graphene electrode. Analyst, The, 2013, 138, 1026-1031.	3.5	130
15	Dielectrophoretic manipulation and solubility of protein nanofibrils formed from crude crystallins. Electrophoresis, 2013, 34, 1105-1112.	2.4	12
16	Alignment and Use of Self-Assembled Peptide Nanotubes as Dry-Etching Mask. Japanese Journal of Applied Physics, 2012, 51, 06FF13.	1.5	6
17	Self-assembled Peptide and Protein Nanostructures in Diagnosis. , 2012, , 50-67.		0
18	Monitoring the functionalization of single-walled carbon nanotubes with chitosan and folic acid by two-dimensional diffusion-ordered NMR spectroscopy. Carbon, 2012, 50, 2691-2697.	10.3	18

#	Article	IF	Citations
19	Self-Assembled Diphenylalanine Nanowires for Cellular Studies and Sensor Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 3077-3083.	0.9	30
20	Alignment and Use of Self-Assembled Peptide Nanotubes as Dry-Etching Mask. Japanese Journal of Applied Physics, 2012, 51, 06FF13.	1.5	4
21	Stability of diphenylalaninepeptidenanotubes in solution. Nanoscale, 2011, 3, 994-998.	5.6	58
22	Micro and nano-platforms for biological cell analysis. Sensors and Actuators A: Physical, 2011, 172, 54-60.	4.1	12
23	Development of an Electrochemical Metal-Ion Biosensor Using Self-Assembled Peptide Nanofibrils. ACS Applied Materials & Interfaces, 2011, 3, 1594-1600.	8.0	73
24	Self-Assembled Peptide Nanotubes as an Etching Material for the Rapid Fabrication of Silicon Wires. BioNanoScience, 2011, 1, 31-37.	3.5	16
25	Electrostatic force microscopy of selfâ€assembled peptide structures. Scanning, 2011, 33, 201-207.	1.5	15
26	Micro-â€œfactoryâ€•for self-assembled peptide nanostructures. Microelectronic Engineering, 2011, 88, 1685-1688.	2.4	20
27	Interfacing Biological Material with Micro- and Nanodevices. , 2011, , 1-11.		0
28	Micro and nano-platforms for biological cell analysis. Procedia Engineering, 2010, 5, 33-36.	1.2	1
29	Conducting Polymer 3D Microelectrodes. Sensors, 2010, 10, 10986-11000.	3.8	18
30	Manipulation of biological samples using micro and nano techniques. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	132
31	Qualitative Mapping of Structurally Different Dipeptide Nanotubes. Nano Letters, 2008, 8, 4066-4069.	9.1	29
32	Simultaneous detection of l-glutamate and nitric oxide from adherently growing cells at known distance using disk shaped dual electrodes. Bioelectrochemistry, 2007, 70, 173-179.	4.6	13