

Jaime Castillo-LeÃ³n

List of Publications by Year in descending order

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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	Manipulation of biological samples using micro and nano techniques. Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overloc	1.3	132
2	Detection of cancer cells using a peptidenanotubeâ€“folic acid modified graphene electrode. Analyst, The, 2013, 138, 1026-1031.	3.5	130
3	Development of an Electrochemical Metal-Ion Biosensor Using Self-Assembled Peptide Nanofibrils. ACS Applied Materials & Interfaces, 2011, 3, 1594-1600.	8.0	73
4	Doped overoxidized polypyrrole microelectrodes as sensors for the detection of dopamine released from cell populations. Analyst, The, 2013, 138, 3651.	3.5	64
5	Stability of diphenylalaninepeptidenanotubes in solution. Nanoscale, 2011, 3, 994-998.	5.6	58
6	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
7	Self-Assembled Diphenylalanine Nanowires for Cellular Studies and Sensor Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 3077-3083.	0.9	30
8	Qualitative Mapping of Structurally Different Dipeptide Nanotubes. Nano Letters, 2008, 8, 4066-4069.	9.1	29
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	Micro-â€œfactoryâ€•for self-assembled peptide nanostructures. Microelectronic Engineering, 2011, 88, 1685-1688.	2.4	20
11	Conducting Polymer 3D Microelectrodes. Sensors, 2010, 10, 10986-11000.	3.8	18
12	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
13	Self-Assembled Peptide Nanotubes as an Etching Material for the Rapid Fabrication of Silicon Wires. BioNanoScience, 2011, 1, 31-37.	3.5	16
14	Electrostatic force microscopy of selfâ€œassembled peptide structures. Scanning, 2011, 33, 201-207.	1.5	15
15	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
16	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
17	Micro and nano-platforms for biological cell analysis. Sensors and Actuators A: Physical, 2011, 172, 54-60.	4.1	12
18	Fabrication and characterization of PEDOT nanowires based on self-assembled peptide nanotube lithography. Organic Electronics, 2013, 14, 1370-1375.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. <i>Chemical Physics Letters</i> , 2013, 564, 60-64.	2.6	12
20	Dielectrophoretic manipulation and solubility of protein nanofibrils formed from crude crystallins. <i>Electrophoresis</i> , 2013, 34, 1105-1112.	2.4	12
21	Commercially available rapid diagnostic tests for the detection of high priority pathogens: status and challenges. <i>Analyst, The</i> , 2021, 146, 3750-3776.	3.5	10
22	pyEIA: A Python-based framework for data analysis of electrochemical methods for immunoassays. <i>SoftwareX</i> , 2021, 15, 100720.	2.6	8
23	Alignment and Use of Self-Assembled Peptide Nanotubes as Dry-Etching Mask. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FF13.	1.5	6
24	Alignment and Use of Self-Assembled Peptide Nanotubes as Dry-Etching Mask. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FF13.	1.5	4
25	Diphenylalanine Peptide Nanowires as a Substrate for Neural Cultures. <i>BioNanoScience</i> , 2020, 10, 224-234.	3.5	3
26	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors. , 2015, , 1-15.		3
27	Fabrication of Nanostructures Using Self-Assembled Peptides as Templates: The Diphenylalanine Case. , 2015, , 21-31.		2
28	Micro and nano-platforms for biological cell analysis. <i>Procedia Engineering</i> , 2010, 5, 33-36.	1.2	1
29	Spectroscopic investigations of arrays containing vertically and horizontally aligned silicon nanowires. <i>Materials Research Express</i> , 2016, 3, 125021.	1.6	1
30	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors. , 2016, , 1125-1142.		1
31	Self-assembled Peptide and Protein Nanostructures in Diagnosis. , 2012, , 50-67.		0
32	Interfacing Biological Material with Micro- and Nanodevices. , 2011, , 1-11.		0