

# Jacobo Hernandez-Montelongo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

375  
citations

11  
h-index

18  
g-index

33  
ext. papers

459  
ext. citations

5.4  
avg, IF

3.25  
L-index

#	Paper	IF	Citations
29	Green synthesized silver nanoparticles decorated on nanostructured porous silicon as an efficient platform for the removal of organic dye methylene blue. <i>Green Chemistry Letters and Reviews</i> , <b>2022</b> , 15, 106-113	4.7	1
28	Cost Function Analysis Applied to Different Kinetic Release Models of Verlot Extract from Chitosan/Alginate Membranes.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	2
27	Functionalized microchannels as xylem-mimicking environment: Quantifying X. fastidiosa cell adhesion. <i>Biophysical Journal</i> , <b>2021</b> , 120, 1443-1453	2.9	
26	Nanoporous silicon microparticles embedded into oxidized hyaluronic acid/adipic acid dihydrazide hydrogel for enhanced controlled drug delivery. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 310, 110634	5.3	5
25	Hydrothermal control of the lithium-rich LiMnO phase in lithium manganese oxide nanocomposites and their application as precursors for lithium adsorbents. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10765-10778	4.3	1
24	Antibacterial effect of hyaluronan/chitosan nanofilm in the initial adhesion of Pseudomonas aeruginosa wild type, and IV pili and LPS mutant strains. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101415	4.1	1
23	Fabrication and characterization of nanostructured porous silicon-silver composite layers by cyclic deposition: dip-coating vs spin-coating. <i>Nanotechnology</i> , <b>2020</b> , 31, 365704	3.4	2
22	Hybrid porous silicon/green synthesized Ag microparticles as potential carries for Ag nanoparticles and drug delivery. <i>Materials Science and Engineering C</i> , <b>2020</b> , 116, 111183	8.3	6
21	c-di-GMP-related phenotypes are modulated by the interaction between a diguanylate cyclase and a polar hub protein. <i>Scientific Reports</i> , <b>2020</b> , 10, 3077	4.9	5
20	Fractal analysis of the formation process and morphologies of hyaluronan/chitosan nanofilms in layer-by-layer assembly. <i>Polymer</i> , <b>2020</b> , 191, 122283	3.9	6
19	Flexible, dense and porous chitosan and alginate membranes containing the standardized extract of Arrabidaea chica Verlot for the treatment of skin lesions. <i>Materials Science and Engineering C</i> , <b>2020</b> , 112, 110869	8.3	6
18	Use of nPSi- $\text{TiO}_2$ Composite Microparticles for the Controlled Release of Caffeic Acid and Pinocembrin, Two Main Polyphenolic Compounds Found in a Chilean Propolis. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	2
17	Electrostatic immobilization of antimicrobial peptides on polyethylenimine and their antibacterial effect against Staphylococcus epidermidis. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 370-378	6	7
16	Antibacterial properties of chitosan-based coatings are affected by spacer-length and molecular weight. <i>Applied Surface Science</i> , <b>2018</b> , 445, 478-487	6.7	32
15	Nanoporous Silicon Composite as Potential System for Sustained Delivery of Florfenicol Drug. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700626	1.3	3
14	Synthesis and Properties of Silk Fibroin/Konjac Glucomannan Blend Beads. <i>Polymers</i> , <b>2018</b> , 10,	4.5	9
13	Influence of pH and ionic strength on the antibacterial effect of hyaluronic acid/chitosan films assembled layer-by-layer. <i>European Polymer Journal</i> , <b>2018</b> , 109, 198-205	5.2	20

12	Recent developments in surface science and engineering, thin films, nanoscience, biomaterials, plasma science, and vacuum technology. <i>Thin Solid Films</i> , <b>2018</b> , 660, 120-160	2.2	16
11	Antibacterial and non-cytotoxic ultra-thin polyethylenimine film. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 718-724	8.3	13
10	Hyaluronan/chitosan nanofilms assembled layer-by-layer and their antibacterial effect: A study using <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 141, 499-506	6	44
9	Nanofilms of hyaluronan/chitosan assembled layer-by-layer: An antibacterial surface for <i>Xylella fastidiosa</i> . <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 1-11	10.3	43
8	Silicon-Based Nanoparticles for Biosensing and Biomedical Applications <b>2015</b> , 1-11		2
7	Nanostructured porous silicon: the winding road from photonics to cell scaffolds - a review. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 60	5.8	33
6	Fabrication and characterization of a chemically oxidized-nanostructured porous silicon based biosensor implementing orienting protein A. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 115, 310-6	6	16
5	Calcium phosphate/porous silicon biocomposites prepared by cyclic deposition methods: spin coating vs electrochemical activation. <i>Materials Science and Engineering C</i> , <b>2014</b> , 34, 245-51	8.3	10
4	Porous silicon-cyclodextrin based polymer composites for drug delivery applications. <i>Carbohydrate Polymers</i> , <b>2014</b> , 110, 238-52	10.3	48
3	Nanostructured porous silicon-mediated drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2014</b> , 11, 1273-83		18
2	Chemical stabilization of porous silicon for enhanced biofunctionalization with immunoglobulin. <i>Science and Technology of Advanced Materials</i> , <b>2012</b> , 13, 045009	7.1	23
1	Antibacterial noncytotoxic chitosan coatings on polytetrafluoroethylene films by plasma grafting for medical device applications <sup>1</sup>		