

Jacobo Hernandez-Montelongo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3118578/publications.pdf>

Version: 2024-02-01

31
papers

537
citations

686830

13
h-index

642321

23
g-index

33
all docs

33
docs citations

33
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial noncytotoxic chitosan coatings on polytetrafluoroethylene films by plasma grafting for medical device applications. <i>Journal of Coatings Technology Research</i> , 2022, 19, 829-838.	1.2	2
2	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> , 2022, 15, 108-115.	2.1	7
3	Controlled Release of Caffeic Acid and Pinocembrin by Use of nPSi- $\dot{\text{I}}^2\text{CD}$ Composites Improves Their Antiangiogenic Activity. <i>Pharmaceutics</i> , 2022, 14, 484.	2.0	4
4	Cost Function Analysis Applied to Different Kinetic Release Models of <i>Arrabidaea chica</i> Verlot Extract from Chitosan/Alginate Membranes. <i>Polymers</i> , 2022, 14, 1109.	2.0	10
5	Mathematical Modeling of Recursive Drug Delivery with Diffusion, Equilibrium, and Convection Coupling. <i>Mathematics</i> , 2022, 10, 2171.	1.1	3
6	Composite thin films of nanoporous silicon/green synthesized silver nanoparticles as antibacterial surface. <i>Materials Letters</i> , 2022, 324, 132734.	1.3	3
7	Nanoporous silicon microparticles embedded into oxidized hyaluronic acid/adipic acid dihydrazide hydrogel for enhanced controlled drug delivery. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110634.	2.2	14
8	Hydrothermal control of the lithium-rich $\text{Li}_{2\text{MnO}_3}$ phase in lithium manganese oxide nanocomposites and their application as precursors for lithium adsorbents. <i>Dalton Transactions</i> , 2021, 50, 10765-10778.	1.6	8
9	Functionalized microchannels as xylem-mimicking environment: Quantifying <i>X.Âfastidiosa</i> cell adhesion. <i>Biophysical Journal</i> , 2021, 120, 1443-1453.	0.2	0
10	Antibacterial effect of hyaluronan/chitosan nanofilm in the initial adhesion of <i>Pseudomonas aeruginosa</i> wild type, and IV pili and LPS mutant strains. <i>Surfaces and Interfaces</i> , 2021, 26, 101415.	1.5	2
11	Fabrication and characterization of nanostructured porous silicon-silver composite layers by cyclic deposition: dip-coating vs spin-coating. <i>Nanotechnology</i> , 2020, 31, 365704.	1.3	2
12	Hybrid porous silicon/green synthesized Ag microparticles as potential carries for Ag nanoparticles and drug delivery. <i>Materials Science and Engineering C</i> , 2020, 116, 111183.	3.8	13
13	c-di-GMP-related phenotypes are modulated by the interaction between a diguanylate cyclase and a polar hub protein. <i>Scientific Reports</i> , 2020, 10, 3077.	1.6	15
14	Fractal analysis of the formation process and morphologies of hyaluronan/chitosan nanofilms in layer-by-layer assembly. <i>Polymer</i> , 2020, 191, 122283.	1.8	6
15	Flexible, dense and porous chitosan and alginate membranes containing the standardized extract of <i>Arrabidaea chica</i> Verlot for the treatment of skin lesions. <i>Materials Science and Engineering C</i> , 2020, 112, 110869.	3.8	11
16	Use of nPSi- $\dot{\text{I}}^2\text{CD}$ Composite Microparticles for the Controlled Release of Caffeic Acid and Pinocembrin, Two Main Polyphenolic Compounds Found in a Chilean Propolis. <i>Pharmaceutics</i> , 2019, 11, 289.	2.0	10
17	Electrostatic immobilization of antimicrobial peptides on polyethylenimine and their antibacterial effect against <i>Staphylococcus epidermidis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 370-378.	2.5	13
18	Antibacterial properties of chitosan-based coatings are affected by spacer-length and molecular weight. <i>Applied Surface Science</i> , 2018, 445, 478-487.	3.1	44

#	ARTICLE	IF	CITATIONS
19	Nanoporous Silicon Composite as Potential System for Sustained Delivery of Florfenicol Drug. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700626.	0.7	8
20	Influence of pH and ionic strength on the antibacterial effect of hyaluronic acid/chitosan films assembled layer-by-layer. <i>European Polymer Journal</i> , 2018, 109, 198-205.	2.6	26
21	Recent developments in surface science and engineering, thin films, nanoscience, biomaterials, plasma science, and vacuum technology. <i>Thin Solid Films</i> , 2018, 660, 120-160.	0.8	27
22	Synthesis and Properties of Silk Fibroin/Konjac Glucomannan Blend Beads. <i>Polymers</i> , 2018, 10, 923.	2.0	11
23	Antibacterial and non-cytotoxic ultra-thin polyethylenimine film. <i>Materials Science and Engineering C</i> , 2017, 71, 718-724.	3.8	20
24	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> , 2016, 141, 499-506.	2.5	52
25	Nanofilms of hyaluronan/chitosan assembled layer-by-layer: An antibacterial surface for <i>Xylella fastidiosa</i> . <i>Carbohydrate Polymers</i> , 2016, 136, 1-11.	5.1	46
26	Nanostructured Porous Silicon: The Winding Road from Photonics to Cell Scaffolds – A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 60.	2.0	42
27	Nanostructured porous silicon-mediated drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1273-1283.	2.4	21
28	Fabrication and characterization of a chemically oxidized-nanostructured porous silicon based biosensor implementing orienting protein A. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 310-316.	2.5	17
29	Calcium phosphate/porous silicon biocomposites prepared by cyclic deposition methods: Spin coating vs electrochemical activation. <i>Materials Science and Engineering C</i> , 2014, 34, 245-251.	3.8	14
30	Porous silicon-cyclodextrin based polymer composites for drug delivery applications. <i>Carbohydrate Polymers</i> , 2014, 110, 238-252.	5.1	58
31	Chemical stabilization of porous silicon for enhanced biofunctionalization with immunoglobulin. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 045009.	2.8	26