

Manuel Ahumada

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2676790/publications.pdf>

Version: 2024-02-01

28
papers

456
citations

840585

11
h-index

713332

21
g-index

28
all docs

28
docs citations

28
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. ACS Applied Materials & Interfaces, 2018, 10, 44668-44677.	4.0	77
2	Design of dipalmitoyl lecithin liposomes loaded with quercetin and rutin and their release kinetics from carboxymethyl cellulose edible films. Journal of Food Engineering, 2018, 224, 165-173.	2.7	57
3	Multi-functional thermo-crosslinkable collagen-metal nanoparticle composites for tissue regeneration: nanosilver vs. nanogold. RSC Advances, 2017, 7, 47704-47708.	1.7	45
4	Association models for binding of molecules to nanostructures. Analyst, The, 2017, 142, 2067-2089.	1.7	39
5	Electroconductive nanoengineered biomimetic hybrid fibers for cardiac tissue engineering. Journal of Materials Chemistry B, 2017, 5, 2402-2406.	2.9	34
6	Electroconductive materials as biomimetic platforms for tissue regeneration. Biotechnology Advances, 2019, 37, 444-458.	6.0	32
7	Sprayable peptide-modified silver nanoparticles as a barrier against bacterial colonization. Nanoscale, 2016, 8, 19200-19203.	2.8	30
8	Collagen-Based Photoactive Agent for Tissue Bonding. ACS Applied Materials & Interfaces, 2017, 9, 9265-9270.	4.0	22
9	Diffusion of hydrogen peroxide across DPPC large unilamellar liposomes. Chemistry and Physics of Lipids, 2012, 165, 656-661.	1.5	21
10	Multifunctional Nano and Collagen-Based Therapeutic Materials for Skin Repair. ACS Biomaterials Science and Engineering, 2020, 6, 1124-1134.	2.6	16
11	Novel specific peptides as superior surface stabilizers for silver nano structures: role of peptide chain length. Journal of Materials Chemistry B, 2017, 5, 8925-8928.	2.9	14
12	Spherical silver nanoparticles in the detection of thermally denatured collagens. Analytical and Bioanalytical Chemistry, 2016, 408, 1993-1996.	1.9	11
13	NANoPoLC algorithm for correcting nanoparticle concentration by sample polydispersity. Nanoscale, 2018, 10, 3166-3170.	2.8	10
14	Protein capped nanosilver free radical oxidation: role of biomolecule capping on nanoparticle colloidal stability and protein oxidation. Chemical Communications, 2018, 54, 4724-4727.	2.2	9
15	Response of unilamellar DPPC and DPPC:SM vesicles to hypo and hyper osmotic shocks: A comparison. Chemistry and Physics of Lipids, 2015, 188, 54-60.	1.5	7
16	Effect of Human Serum Albumin on the Kinetics of N-glutaryl-L-phenylalanine p-nitroanilide Hydrolysis Catalyzed by \pm -Chymotrypsin. Protein Journal, 2011, 30, 143-147.	0.7	5
17	Effect of nanosilver surfaces on peptide reactivity towards reactive oxygen species. Nanoscale, 2018, 10, 15911-15917.	2.8	5
18	Porosity in Biomaterials: A Key Factor in the Development of Applied Materials in Biomedicine. , 2019, , 3503-3522.		4

#	ARTICLE	IF	CITATIONS
19	TEMPERATURE DEPENDENCE OF BILAYER PROPERTIES IN LIPOSOMES AND THE USE OF FLUORESCENT PROBES AS A TOOL TO ELUCIDATE THE PERMEATION MECHANISM OF HYDROPHILIC SOLUTES. Journal of the Chilean Chemical Society, 2016, 61, 3052-3054.	0.5	4
20	Rate of solute incorporation to liposomes evaluated from encapsulated enzymes activities. Biophysical Reviews, 2014, 6, 161-167.	1.5	3
21	Anomalous Hammett's plot in the quenching of Ru(bpy) ₃ ²⁺ phosphorescence by p-substituted phenols. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 325, 9-12.	2.0	3
22	The pore forming capacity of Sticholysin I in dipalmitoyl phosphatidyl vesicles is tuned by osmotic stress. Chemistry and Physics of Lipids, 2017, 203, 87-93.	1.5	3
23	Fundamental concepts on surface chemistry of nanomaterials. , 2019, , 1-19.		3
24	Porosity in Biomaterials: A Key Factor in the Development of Applied Materials in Biomedicine. , 2018, , 1-20.		1
25	Nanomaterials for Engineering the Treatment of Skin Wounds. , 2019, , 107-124.		1
26	Biomolecule Silver Nanoparticle-Based Materials for Biomedical Applications. , 2018, , 1-17.		0
27	Biomolecule Silver Nanoparticle-Based Materials for Biomedical Applications. , 2019, , 3485-3501.		0
28	Nanomaterials for Its Use in Biomedicine: An Overview. , 2019, , 1-11.		0