Raquel Silva

List of Publications by Year
in descending order

22 papers	1,486 citations	430442 18 h-index	676716 22 g-index
22 all docs	22 docs citations	22 times ranked	2549 citing authors

#	Article	IF	Citations
1	Fabrication of alginateâ€“gelatin crosslinked hydrogel microcapsules and evaluation of the microstructure and physico-chemical properties. Journal of Materials Chemistry B, 2014, 2, 1470.	2.9	336
2	Evaluation of Fibroblasts Adhesion and Proliferation on Alginate-Gelatin Crosslinked Hydrogel. PLoS ONE, 2014, 9, e107952.	1.1	201
3	Fibrous protein-based hydrogels for cell encapsulation. Biomaterials, 2014, 35, 6727-6738.	5.7	136
4	Alginate-based hydrogels with improved adhesive properties for cell encapsulation. International Journal of Biological Macromolecules, 2015, 78, 72-78.	3.6	118
5	Effect of ultrasound parameters for unilamellar liposome preparation. Ultrasonics Sonochemistry, 2010, 17, 628-632.	3.8	91
6	Bioplotting of a bioactive alginate dialdehyde-gelatin composite hydrogel containing bioactive glass nanoparticles. Biofabrication, 2016, 8, 035005.	3.7	86
7	Zeinâ€based composites in biomedical applications. Journal of Biomedical Materials Research - Part A, 2017, 105, 1656-1665.	2.1	69
8	Hybrid hydrogels based on keratin and alginate for tissue engineering. Journal of Materials Chemistry B, 2014, 2, 5441-5451.	2.9	60
9	Oxidized alginate hydrogels with the GHK peptide enhance cord blood mesenchymal stem cell osteogenesis: A paradigm for metabolomics-based evaluation of biomaterial design. Acta Biomaterialia, 2019, 88, 224-240.	4.1	55
10	Sonoproduction of Liposomes and Protein Particles as Templates for Delivery Purposes. Biomacromolecules, 2011, 12, 3353-3368.	2.6	46
11	Hydrogel matrices based on elastin and alginate for tissue engineering applications. International Journal of Biological Macromolecules, 2018, 114, 614-625.	3.6	45
12	Insights on the Mechanism of Formation of Protein Microspheres in a Biphasic System. Molecular Pharmaceutics, 2012, 9, 3079-3088.	2.3	40
13	Soft-matrices based on silk fibroin and alginate for tissue engineering. International Journal of Biological Macromolecules, 2016, 93, 1420-1431.	3.6	35
14	Sonosynthesis of Vaterite-Type Calcium Carbonate. Crystal Growth and Design, 2017, 17, 2351-2356.	1.4	31
15	Protein microspheres as suitable devices for piroxicam release. Colloids and Surfaces B: Biointerfaces, 2012, 92, 277-285.	2.5	30
16	Functionalization of gauzes with liposomes entrapping an anti-inflammatory drug: A strategy to improve wound healing. Reactive and Functional Polymers, 2013, 73, 1328-1334.	2.0	26
17	Evaluation of hydrogel matrices for vessel bioplotting: Vascular cell growth and viability. Journal of Biomedical Materials Research - Part A, 2016, 104, 577-585.	2.1	25
18	Incorporation of peptides in phospholipid aggregates using ultrasound. Ultrasonics Sonochemistry, 2008, 15, 1026-1032.	3.8	24

#	Article	IF	Citations
19	Woundâ€healing evaluation of entrapped active agents into protein microspheres over cellulosic gauzes. Biotechnology Journal, 2012, 7, 1376-1385.	1.8	11
20	Sonochemical Proteinaceous Microspheres for Wound Healing. Advances in Experimental Medicine and Biology, 2012, 733, 155-164.	0.8	10
21	A biologically active delivery material with dried-rehydrated vesicles containing the anti-inflammatory diclofenac for potential wound healing. Journal of Liposome Research, 2016, 26, 269-275.	1.5	8
22	Protein disulphide isomerase-induced refolding of sonochemically prepared Ribonuclease A microspheres. Journal of Biotechnology, 2012, 159, 78-82.	1.9	3