Aureliana Sousa

List of Publications by Year
in descending order

23 papers	778 citations	623734 14 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	1381 citing authors

#	Article	IF	Citations
1	A single-component hydrogel bioink for bioprinting of bioengineered 3D constructs for dermal tissue engineering. Materials Horizons, 2018, 5, 1100-1111.	12.2	104
2	Injectable MMP-Sensitive Alginate Hydrogels as hMSC Delivery Systems. Biomacromolecules, 2014, 15, 380-390.	5.4	93
3	Biofunctionalized pectin hydrogels as 3D cellular microenvironments. Journal of Materials Chemistry B, 2015, 3, 2096-2108.	5.8	74
4	Advances in bioprinted cell-laden hydrogels for skin tissue engineering. Biomanufacturing Reviews, 2017, 2, 1.	4.8	72
5	In situ crosslinked electrospun gelatin nanofibers for skin regeneration. European Polymer Journal, 2017, 95, 161-173.	5.4	67
6	Î^3-Tubulin ring complexes regulate microtubule plus end dynamics. Journal of Cell Biology, 2009, 187, 327-334.	5.2	54
7	TheDrosophilaCLASP homologue, Mast/Orbit regulates the dynamic behaviour of interphase microtubules by promoting the pause state. Cytoskeleton, 2007, 64, 605-620.	4.4	51
8	Strategies to Obtain Designer Polymers Based on Cyanobacterial Extracellular Polymeric Substances (EPS). International Journal of Molecular Sciences, 2019, 20, 5693.	4.1	41
9	Novel sintering-free scaffolds obtained by additive manufacturing for concurrent bone regeneration and drug delivery: Proof of concept. Materials Science and Engineering C, 2019, 94, 426-436.	7.3	35
10	Hydrophobic modification of bacterial cellulose using oxygen plasma treatment and chemical vapor deposition. Cellulose, 2020, 27, 10733-10746.	4.9	33
11	Biomechanical performance of hybrid electrospun structures for skin regeneration. Materials Science and Engineering C, 2018, 93, 816-827.	7.3	30
12	Hydroxyapatite/sericin composites: A simple synthesis route under near-physiological conditions of temperature and pH and preliminary study of the effect of sericin on the biomineralization process. Materials Science and Engineering C, 2020, 108, 110400.	7.3	28
13	New prospects in skin regeneration and repair using nanophased hydroxyapatite embedded in collagen nanofibers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 33, 102353.	3.3	19
14	Characterization and antitumor activity of the extracellular carbohydrate polymer from the cyanobacterium Synechocystis Î”sigF mutant. International Journal of Biological Macromolecules, 2019, 136, 1219-1227.	7.5	17
15	Antimicrobial Properties of Gallium(III)- and Iron(III)-Loaded Polysaccharides Affecting the Growth of <i>Escherichia coli</i>, <i>Staphylococcus aureus,</i> and <i>Pseudomonas aeruginosa</i>, In Vitro. ACS Applied Bio Materials, 2020, 3, 7589-7597.	4.6	16
16	Effective production of multifunctional magnetic-sensitive biomaterial by an extrusion-based additive manufacturing technique. Biomedical Materials (Bristol), 2021, 16, 015011.	3.3	10
17	Engineering injectable vascularized tissues from the bottom-up: Dynamics of in-gel extra-spheroid dermal tissue assembly. Biomaterials, 2021, 279, 121222.	11.4	9
18	Extracellular matrix constitution and function for tissue regeneration and repair. , 2018, , 29-72.		8

#	Article	IF	Citations
19	A bioinspired multifunctional hydrogel patch targeting inflammation and regeneration in chronic intestinal wounds. Biomaterials Science, 2021, 9, 6510-6527.	5.4	8
20	Correction: Biofunctionalized pectin hydrogels as 3D cellular microenvironments. Journal of Materials Chemistry B, 2015, 3, 8422-8422.	5.8	3
21	In vitro interaction of polymeric biomaterials with cells. , 2017, , 285-315.		3
22	Multiplatform Protein Detection and Quantification Using Glutaraldehyde-Induced Fluorescence for 3D Systems. Journal of Fluorescence, 2019, 29, 1171-1181.	2.5	3
23	Generation of scaffold-supported microtissues inside cell-instructive hydrogels. Frontiers in Bioengineering and Biotechnology, 0, 4, .	4.1	0