

Joao Carlos Silva

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

787
citations

687363

13
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

1117
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution enhancement of active pharmaceutical ingredients by therapeutic deep eutectic systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 98, 57-66.	4.3	164
2	Co-culture cell-derived extracellular matrix loaded electrospun microfibrillar scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 99, 479-490.	7.3	89
3	Kartogenin-loaded coaxial PGS/PCL aligned nanofibers for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110291.	7.3	86
4	Extraction of Collagen/Gelatin from the Marine Demosponge <i>Chondrosia reniformis</i> (Nardo,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> Chemistry Research, 2016, 55, 6922-6930.	3.7	59
5	Polyaniline-polycaprolactone blended nanofibers for neural cell culture. <i>European Polymer Journal</i> , 2019, 117, 28-37.	5.4	58
6	Extracellular matrix decorated polycaprolactone scaffolds for improved mesenchymal stem/stromal cell osteogenesis towards a patient-tailored bone tissue engineering approach. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2153-2166.	3.4	52
7	Cultured cell-derived extracellular matrices to enhance the osteogenic differentiation and angiogenic properties of human mesenchymal stem/stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1544-1558.	2.7	45
8	Compositional and structural analysis of glycosaminoglycans in cell-derived extracellular matrices. <i>Glycoconjugate Journal</i> , 2019, 36, 141-154.	2.7	38
9	Chondrogenic differentiation of mesenchymal stem/stromal cells on 3D porous poly (μ -caprolactone) scaffolds: Effects of material alkaline treatment and chondroitin sulfate supplementation. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 756-764.	2.2	27
10	3D Bioprinting of Novel \hat{e} -Carrageenan Bioinks: An Algae-Derived Polysaccharide. <i>Bioengineering</i> , 2022, 9, 109.	3.5	23
11	Piezoelectric Electrospun Fibrous Scaffolds for Bone, Articular Cartilage and Osteochondral Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2907.	4.1	21
12	Polybenzimidazole nanofibers for neural stem cell culture. <i>Materials Today Chemistry</i> , 2019, 14, 100185.	3.5	20
13	Loss and rescue of osteocalcin and osteopontin modulate osteogenic and angiogenic features of mesenchymal stem/stromal cells. <i>Journal of Cellular Physiology</i> , 2020, 235, 7496-7515.	4.1	18
14	A Multimodal Stimulation Cell Culture Bioreactor for Tissue Engineering: A Numerical Modelling Approach. <i>Polymers</i> , 2020, 12, 940.	4.5	17
15	The effect of electrospun scaffolds on the glycosaminoglycan profile of differentiating neural stem cells. <i>Biochimie</i> , 2021, 182, 61-72.	2.6	12
16	PEDOT:PSS-Coated Polybenzimidazole Electroconductive Nanofibers for Biomedical Applications. <i>Polymers</i> , 2021, 13, 2786.	4.5	12
17	Effects of Different Fibre Alignments and Bioactive Coatings on Mesenchymal Stem/Stromal Cell Adhesion and Proliferation in Poly (ϵ -caprolactone) Scaffolds towards Cartilage Repair. <i>Procedia Manufacturing</i> , 2017, 12, 132-140.	1.9	10
18	Glycosaminoglycan remodeling during chondrogenic differentiation of human bone marrow [~] /synovial-derived mesenchymal stem/stromal cells under normoxia and hypoxia. <i>Glycoconjugate Journal</i> , 2020, 37, 345-360.	2.7	10

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19	Extruded Bioreactor Perfusion Culture Supports the Chondrogenic Differentiation of Human Mesenchymal Stem/Stromal Cells in 3D Porous Poly(ε-caprolactone) Scaffolds. <i>Biotechnology Journal</i> , 2020, 15, e1900078.	3.5	7
20	Effects of glycosaminoglycan supplementation in the chondrogenic differentiation of bone marrow- and synovial- derived mesenchymal stem/stromal cells on 3D-extruded poly (μ-caprolactone) scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 207-222.	3.4	6
21	Additive Manufactured Poly(μ-caprolactone)-graphene Scaffolds: Lamellar Crystal Orientation, Mechanical Properties and Biological Performance. <i>Polymers</i> , 2022, 14, 1669.	4.5	5
22	Corncob Cellulose Scaffolds: A New Sustainable Temporary Implant for Cartilage Replacement. <i>Journal of Functional Biomaterials</i> , 2022, 13, 63.	4.4	4
23	Translational Research and Innovation in Human and Health Science. <i>Annals of Medicine</i> , 2018, 50, S10-S170.	3.8	3
24	Glycosaminoglycan disaccharide compositional analysis of cell-derived extracellular matrices using liquid chromatography-tandem mass spectrometry. <i>Methods in Cell Biology</i> , 2020, 156, 85-106.	1.1	1
25	Cell Culture Bioreactor Manufacturing, from Material Selection to Numerical Models. , 2022, 8, .		0
26	Development of 3D-Printed Scaffolds with Mathematically Defined Curvature for Osteochondral Defect Repair Applications. , 0, , .		0
27	Piezoelectric PVDF-TrFE/Hydroxyapatite Nanofibers for Bone Tissue Engineering. , 0, , .		0
28	Fabrication of Novel Electroconductive PAN/PEDOT:PSS Nanofibers for Osteochondral Tissue Regeneration. , 0, , .		0