

# Joao Carlos Silva

## List of Publications by Year in descending order

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28  
papers

787  
citations

777949

13  
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685536

24  
g-index

28  
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28  
docs citations

28  
times ranked

1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Bioprinting of Novel Î-carrageenan Bioinks: An Algae-Derived Polysaccharide. <i>Bioengineering</i> , 2022, 9, 109.	1.6	23
2	Piezoelectric Electrospun Fibrous Scaffolds for Bone, Articular Cartilage and Osteochondral Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2907.	1.8	21
3	Additive Manufactured Poly(Î-caprolactone)-graphene Scaffolds: Lamellar Crystal Orientation, Mechanical Properties and Biological Performance. <i>Polymers</i> , 2022, 14, 1669.	2.0	5
4	Corncob Cellulose Scaffolds: A New Sustainable Temporary Implant for Cartilage Replacement. <i>Journal of Functional Biomaterials</i> , 2022, 13, 63.	1.8	4
5	Cell Culture Bioreactor Manufacturing, from Material Selection to Numerical Models. , 2022, 8, .		0
6	Effects of glycosaminoglycan supplementation in the chondrogenic differentiation of bone marrow- and synovial- derived mesenchymal stem/stromal cells on 3D-extruded poly (Î-caprolactone) scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 207-222.	1.8	6
7	The effect of electrospun scaffolds on the glycosaminoglycan profile of differentiating neural stem cells. <i>Biochimie</i> , 2021, 182, 61-72.	1.3	12
8	PEDOT:PSS-Coated Polybenzimidazole Electroconductive Nanofibers for Biomedical Applications. <i>Polymers</i> , 2021, 13, 2786.	2.0	12
9	Extruded Bioreactor Perfusion Culture Supports the Chondrogenic Differentiation of Human Mesenchymal Stem/Stromal Cells in 3D Porous Poly(Î-caprolactone) Scaffolds. <i>Biotechnology Journal</i> , 2020, 15, e1900078.	1.8	7
10	Kartogenin-loaded coaxial PGS/PCL aligned nanofibers for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110291.	3.8	86
11	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.	1.6	52
12	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.	0.5	1
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.	2.0	18
14	Chondrogenic differentiation of mesenchymal stem/stromal cells on 3D porous poly (Î-caprolactone) scaffolds: Effects of material alkaline treatment and chondroitin sulfate supplementation. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 756-764.	1.1	27
15	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.	1.4	10
16	A Multimodal Stimulation Cell Culture Bioreactor for Tissue Engineering: A Numerical Modelling Approach. <i>Polymers</i> , 2020, 12, 940.	2.0	17
17	Polybenzimidazole nanofibers for neural stem cell culture. <i>Materials Today Chemistry</i> , 2019, 14, 100185.	1.7	20
18	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.	3.8	89

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19	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.	1.3	45
20	Polyaniline-polycaprolactone blended nanofibers for neural cell culture. <i>European Polymer Journal</i> , 2019, 117, 28-37.	2.6	58
21	Compositional and structural analysis of glycosaminoglycans in cell-derived extracellular matrices. <i>Glycoconjugate Journal</i> , 2019, 36, 141-154.	1.4	38
22	Translational Research and Innovation in Human and Health Science. <i>Annals of Medicine</i> , 2018, 50, S10-S170.	1.5	3
23	Effects of Different Fibre Alignments and Bioactive Coatings on Mesenchymal Stem/Stromal Cell Adhesion and Proliferation in Poly (É-caprolactone) Scaffolds towards Cartilage Repair. <i>Procedia Manufacturing</i> , 2017, 12, 132-140.	1.9	10
24	Extraction of Collagen/Gelatin from the Marine Demosponge <i>Chondrosia reniformis</i> (Nardo,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Chemistry Research</i> , 2016, 55, 6922-6930.	1.8	59
25	Dissolution enhancement of active pharmaceutical ingredients by therapeutic deep eutectic systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 98, 57-66.	2.0	164
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