Ana L Oliveira

List of Publications by Year in Descending Order

65 papers	2,128 citations	25 h-index	45 g-index
68 ext. papers	2,467 ext. citations	6 avg, IF	4.97 L-index

#	Paper	IF	Citations
65	Estrategias de mercadeo en asociaciones agropecuarias colombianas. *Revista Venezolana De Gerencia*, **2022**, 27, 713-728	1.6	
64	Fabrication of calcium phosphates with controlled properties using a modular oscillatory flow reactor. *Chemical Engineering Research and Design*, **2022**, 183, 90-103	5.5	1
63	Research, development and future trends for medical textile products **2022**, 795-828		
62	Contributions of supercritical fluid technology for advancing decellularization and postprocessing of viable biological materials.. *Materials Horizons*, **2021**,	14.4	2
61	Forming Silk Sericin-Based Hydrogel: A Novel Wound Healing Biomaterial. *ACS Biomaterials Science and Engineering*, **2021**, 7, 1573-1586	5.5	7
60	New prospects in skin regeneration and repair using nanophased hydroxyapatite embedded in collagen nanofibers. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2021**, 33, 102353	6	10
59	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. *Minerals (Basel, Switzerland)*, **2021**, 11, 377	2.4	4
58	Bioaerogels: Promising Nanostructured Materials in Fluid Management, Healing and Regeneration of Wounds. *Molecules*, **2021**, 26,	4.8	7
57	Fast decellularization process using supercritical carbon dioxide for trabecular bone. *Journal of Supercritical Fluids*, **2021**, 172, 105194	4.2	8
56	Phthalic anhydride esterified chicha gum: characterization and antibacterial activity. *Carbohydrate Polymers*, **2021**, 251, 117077	10.3	5
55	Polyphenols: A Promising Avenue in Therapeutic Solutions for Wound Care. *Applied Sciences (Switzerland)*, **2021**, 11, 1230	2.6	15
54	Vitamin B9 derivatives as carriers of bioactive cations for musculoskeletal regeneration applications: Synthesis, characterization and biological evaluation. *European Journal of Medicinal Chemistry*, **2021**, 212, 113152	6.8	0
53	Current Trends on Protein Driven Bioinks for 3D Printing. *Pharmaceutics*, **2021**, 13,	6.4	5
52	Modified chicha gum by acetylation for antimicrobial and antiparasitic applications: Characterization and biological properties. *International Journal of Biological Macromolecules*, **2020**, 160, 1177-1188	7.9	7
51	Glycerylphytate crosslinker as a potential osteoinductor of chitosan-based systems for guided bone regeneration. *Carbohydrate Polymers*, **2020**, 241, 116269	10.3	5
50	Recent Advances in Silk Sericin/Calcium Phosphate Biomaterials. *Frontiers in Materials*, **2020**, 7,	4	11
49	Protein-Based Hydroxyapatite Materials: Tuning Composition toward Biomedical Applications.. *ACS Applied Bio Materials*, **2020**, 3, 3441-3455	4.1	8

48	Enabling Approaches for Tissue Regeneration: Current Challenges and New Developments. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 85	5.8	19
47	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	8.3	11
46	Antimicrobial Properties of Gallium(III)- and Iron(III)-Loaded Polysaccharides Affecting the Growth of , and , In Vitro.. *ACS Applied Bio Materials*, **2020**, 3, 7589-7597	4.1	5
45	A new era for sterilization based on supercritical CO technology. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2020**, 108, 399-428	3.5	34
44	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. *Ceramics International*, **2020**, 46, 3811-3817	5.1	5
43	Supercritical CO technology: The next standard sterilization technique?. *Materials Science and Engineering C*, **2019**, 99, 520-540	8.3	50
42	Sterile and Dual-Porous Aerogels Scaffolds Obtained through a Multistep Supercritical CO□Based Approach. *Molecules*, **2019**, 24,	4.8	24
41	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums-Biological and Mechanical Properties. *Materials*, **2019**, 12,	3.5	15
40	Thermal annealed silk fibroin membranes for periodontal guided tissue regeneration. *Journal of Materials Science: Materials in Medicine*, **2019**, 30, 27	4.5	7
39	Ultrasound sonication prior to electrospinning tailors silk fibroin/PEO membranes for periodontal regeneration. *Materials Science and Engineering C*, **2019**, 98, 969-981	8.3	18
38	Enzymatically Cross-Linked Silk Fibroin-Based Hierarchical Scaffolds for Osteochondral Regeneration. *ACS Applied Materials & Interfaces*, **2019**, 11, 3781-3799	9.5	57
37	Combinatory approach for developing silk fibroin scaffolds for cartilage regeneration. *Acta Biomaterialia*, **2018**, 72, 167-181	10.8	68
36	Biomechanical performance of hybrid electrospun structures for skin regeneration. *Materials Science and Engineering C*, **2018**, 93, 816-827	8.3	16
35	Rapidly responsive silk fibroin hydrogels as an artificial matrix for the programmed tumor cells death. *PLoS ONE*, **2018**, 13, e0194441	3.7	37
34	Silk-based anisotropical 3D biotextiles for bone regeneration. *Biomaterials*, **2017**, 123, 92-106	15.6	37
33	Core-shell silk hydrogels with spatially tuned conformations as drug-delivery system. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 3168-3177	4.4	20
32	In situ crosslinked electrospun gelatin nanofibers for skin regeneration. *European Polymer Journal*, **2017**, 95, 161-173	5.2	47
31	Modulating cell adhesion to polybutylene succinate biotextile constructs for tissue engineering applications. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2853-2863	4.4	8

30	Tumor Growth Suppression Induced by Biomimetic Silk Fibroin Hydrogels. *Scientific Reports*, **2016**, 6, 31037	4.9	48
29	Influence of different surface modification treatments on silk biotextiles for tissue engineering applications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 496-507	3.5	16
28	Continuous-flow precipitation as a route to prepare highly controlled nanohydroxyapatite:in vitromineralization and biological evaluation. *Materials Research Express*, **2016**, 3, 075404	1.7	6
27	Current Concepts and Challenges in Osteochondral Tissue Engineering and Regenerative Medicine. *ACS Biomaterials Science and Engineering*, **2015**, 1, 183-200	5.5	50
26	Bilayered silk/silk-nanoCaP scaffolds for osteochondral tissue engineering: In vitro and in vivo assessment of biological performance. *Acta Biomaterialia*, **2015**, 12, 227-241	10.8	115
25	In vitro evaluation of the biological performance of macro/micro-porous silk fibroin and silk-nano calcium phosphate scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 888-98	3.5	19
24	Silk Fibroin/Nano-CaP Bilayered Scaffolds for Osteochondral Tissue Engineering. *Key Engineering Materials*, **2013**, 587, 245-248	0.4	19
23	De novo bone formation on macro/microporous silk and silk/nano-sized calcium phosphate scaffolds. *Journal of Bioactive and Compatible Polymers*, **2013**, 28, 439-452	2	26
22	Silk-Fibroin/Methacrylated Gellan Gum Hydrogel As An Novel Scaffold For Application In Meniscus Cell-Based Tissue Engineering. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2013**, 29, e53-e55	5.4	8
21	Bioactive macro/micro porous silk fibroin/nano-sized calcium phosphate scaffolds with potential for bone-tissue-engineering applications. *Nanomedicine*, **2013**, 8, 359-78	5.6	53
20	New biotextiles for tissue engineering: development, characterization and in vitro cellular viability. *Acta Biomaterialia*, **2013**, 9, 8167-81	10.8	55
19	Development of silk-based scaffolds for tissue engineering of bone from human adipose-derived stem cells. *Acta Biomaterialia*, **2012**, 8, 2483-92	10.8	184
18	Peripheral mineralization of a 3D biodegradable tubular construct as a way to enhance guidance stabilization in spinal cord injury regeneration. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 2821-30	4.5	21
17	Macro/microporous silk fibroin scaffolds with potential for articular cartilage and meniscus tissue engineering applications. *Acta Biomaterialia*, **2012**, 8, 289-301	10.8	237
16	Aligned silk-based 3-D architectures for contact guidance in tissue engineering. *Acta Biomaterialia*, **2012**, 8, 1530-42	10.8	77
15	Biomimetic Ca-P coatings incorporating bisphosphonates produced on starch-based degradable biomaterials. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2010**, 92, 55-67	3.5	24
14	Nucleation and growth of biomimetic apatite layers on 3D plotted biodegradable polymeric scaffolds: effect of static and dynamic coating conditions. *Acta Biomaterialia*, **2009**, 5, 1626-38	10.8	51
13	Strontium-substituted apatite coating grown on Ti6Al4V substrate through biomimetic synthesis. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 83, 258-65	3.5	72

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12	Micro-computed tomography (micro-CT) as a potential tool to assess the effect of dynamic coating routes on the formation of biomimetic apatite layers on 3D-plotted biodegradable polymeric scaffolds. *Journal of Materials Science: Materials in Medicine*, **2007**, 18, 211-23	4.5	38
11	A comparative analysis of scaffold material modifications for load-bearing applications in bone tissue engineering. *International Journal of Oral and Maxillofacial Surgery*, **2006**, 35, 928-34	2.9	112
10	Study of the influence of beta-radiation on the properties and mineralization of different starch-based biomaterials. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2005**, 74, 560-9	3.5	10
9	Pre-mineralisation of starch/polycrapolactone bone tissue engineering scaffolds by a calcium-silicate-based process. *Journal of Materials Science: Materials in Medicine*, **2004**, 15, 533-40	4.5	26
8	Learning from Nature How to Design Biomimetic Calcium-Phosphate Coatings **2004**, 123-150		
7	Bi-composite sandwich moldings: processing, mechanical performance and bioactive behavior. *Journal of Materials Science: Materials in Medicine*, **2003**, 14, 385-97	4.5	9
6	Sodium silicate gel as a precursor for the in vitro nucleation and growth of a bone-like apatite coating in compact and porous polymeric structures. *Biomaterials*, **2003**, 24, 2575-84	15.6	112
5	Nature-inspired calcium phosphate coatings: present status and novel advances in the science of mimicry. *Current Opinion in Solid State and Materials Science*, **2003**, 7, 309-318	12	86
4	Cell adhesion and proliferation on biomimetic calcium-phosphate coatings produced by a sodium silicate gel methodology. *Journal of Materials Science: Materials in Medicine*, **2002**, 13, 1181-8	4.5	27
3	Surface Treatments and Pre-Calcification Routes to Enhance Cell Adhesion and Proliferation **2002**, 183-217		3
2	Surface modification tailors the characteristics of biomimetic coatings nucleated on starch-based polymers. *Journal of Materials Science: Materials in Medicine*, **1999**, 10, 827-35	4.5	50
1	Coatings: Bonelike Apatite via Biodegradable Polymer-Nucleated1834-1846		