## Jorge Alfredo Uquillas

List of Publications by Year in descending order

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LODGE ALEPEDO HOULLAS

#	Article	IF	CITATIONS
1	Recent advances in 3D bioprinting of musculoskeletal tissues. Biofabrication, 2021, 13, 022001.	7.1	47
2	Expanding Biomaterial Surface Topographical Design Space through Natural Surface Reproduction. Advanced Materials, 2021, 33, e2102084.	21.0	16
3	Design of a low-cost, portable, and automated cardiopulmonary resuscitation device for emergency scenarios in Ecuador. , 2017, , .		2
4	Biocompatibility behavior of β–tricalcium phosphate-chitosan coatings obtained on 316L stainless steel. Materials Chemistry and Physics, 2016, 175, 68-80.	4.0	9
5	Nanoengineered biomimetic hydrogels for guiding human stem cell osteogenesis in three dimensional microenvironments. Journal of Materials Chemistry B, 2016, 4, 3544-3554.	5.8	149
6	25th Anniversary Article: Rational Design and Applications of Hydrogels in Regenerative Medicine. Advanced Materials, 2014, 26, 85-124.	21.0	1,103
7	Genipin crosslinking elevates the strength of electrochemically aligned collagen to the level of tendons. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 15, 176-189.	3.1	71
8	Modeling the Electromobility of Type-I Collagen Molecules in the Electrochemical Fabrication of Dense and Aligned Tissue Constructs. Annals of Biomedical Engineering, 2012, 40, 1641-1653.	2.5	62
9	<i>In vivo</i> response to electrochemically aligned collagen bioscaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 400-408.	3.4	52
10	Effects of phosphate-buffered saline concentration and incubation time on the mechanical and structural properties of electrochemically aligned collagen threads. Biomedical Materials (Bristol), 2011, 6, 035008.	3.3	31
11	Modeling of Isoelectric Focusing of Type-I Collagen Molecules Under Uniform Electric Field. , 2011, , .		0
12	Comparison of morphology, orientation, and migration of tendon derived fibroblasts and bone marrow stromal cells on electrochemically aligned collagen constructs. Journal of Biomedical Materials Research - Part A, 2010, 94A, 1070-1079.	4.0	37