

Antonio Alessandrino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

753
citations

13
h-index

23
g-index

23
ext. papers

886
ext. citations

6.2
avg, IF

3.49
L-index

#	Paper	IF	Citations
20	Electrospun Silk Fibroin Scaffolds for Tissue Regeneration: Chemical, Structural, and Toxicological Implications of the Formic Acid-Silk Fibroin Interaction.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 833157	5.8	2
19	Silk Vascular Grafts with Optimized Mechanical Properties for the Repair and Regeneration of Small Caliber Blood Vessels. <i>Materials</i> , 2022 , 15, 3735	3.5	
18	Characterization of Physical, Mechanical, and Biological Properties of SilkBridge Nerve Conduit after Enzymatic Hydrolysis.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8361-8374	4.1	3
17	Preclinical Validation of SilkBridge for Peripheral Nerve Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 835	5.8	10
16	Peptide-Enriched Silk Fibroin Sponge and Trabecular Titanium Composites to Enhance Bone Ingrowth of Prosthetic Implants in an Ovine Model of Bone Gaps. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 563203	5.8	4
15	SilkBridge: a novel biomimetic and biocompatible silk-based nerve conduit. <i>Biomaterials Science</i> , 2019 , 7, 4112-4130	7.4	20
14	Three-Layered Silk Fibroin Tubular Scaffold for the Repair and Regeneration of Small Caliber Blood Vessels: From Design to Pilot Tests. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 356	5.8	23
13	Multilayered dense collagen-silk fibroin hybrid: a platform for mesenchymal stem cell differentiation towards chondrogenic and osteogenic lineages. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2046-2059	4.4	19
12	Small diameter electrospun silk fibroin vascular grafts: Mechanical properties, in vitro biodegradability, and in vivo biocompatibility. <i>Materials Science and Engineering C</i> , 2015 , 54, 101-11	8.3	107
11	Decellularized silk fibroin scaffold primed with adipose mesenchymal stromal cells improves wound healing in diabetic mice. <i>Stem Cell Research and Therapy</i> , 2014 , 5, 7	8.3	81
10	Anionic fibroin-derived polypeptides accelerate MSC osteoblastic differentiation in a three-dimensional osteoid-like dense collagen niche. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 5339-5343	7.3	11
9	The role of physiological mechanical cues on mesenchymal stem cell differentiation in an airway tract-like dense collagen-silk fibroin construct. <i>Biomaterials</i> , 2014 , 35, 6236-47	15.6	27
8	In vitro study on silk fibroin textile structure for anterior cruciate ligament regeneration. <i>Materials Science and Engineering C</i> , 2013 , 33, 3601-8	8.3	31
7	In vivo regeneration of elastic lamina on fibroin biodegradable vascular scaffold. <i>International Journal of Artificial Organs</i> , 2013 , 36, 166-74	1.9	30
6	Silk fibroin derived polypeptide-induced biomineralization of collagen. <i>Biomaterials</i> , 2012 , 33, 102-8	15.6	97
5	Collagen-reinforced electrospun silk fibroin tubular construct as small calibre vascular graft. <i>Macromolecular Bioscience</i> , 2012 , 12, 1566-74	5.5	57
4	Mesenchymal stem cell-seeded multilayered dense collagen-silk fibroin hybrid for tissue engineering applications. <i>Biotechnology Journal</i> , 2011 , 6, 1198-207	5.6	25

3	Compliant electrospun silk fibroin tubes for small vessel bypass grafting. <i>Acta Biomaterialia</i> , 2010 , 6, 4019-26	10.8	135
2	Electrospun silk fibroin tubular matrixes for small vessel bypass grafting. <i>Materials Technology</i> , 2009 , 24, 52-57	2.1	12
1	Electrospun Silk Fibroin Mats for Tissue Engineering. <i>Engineering in Life Sciences</i> , 2008 , 8, 219-225	3.4	59