

Chunmei Li

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,462
citations

257357

24
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

5768
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun silk-BMP-2 scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2006, 27, 3115-3124.	5.7	1,056
2	Structure and Properties of Silk Hydrogels. <i>Biomacromolecules</i> , 2004, 5, 786-792.	2.6	735
3	Design of biodegradable, implantable devices towards clinical translation. <i>Nature Reviews Materials</i> , 2020, 5, 61-81.	23.3	440
4	Silkworm silk-based materials and devices generated using bio-nanotechnology. <i>Chemical Society Reviews</i> , 2018, 47, 6486-6504.	18.7	324
5	Polymorphic regenerated silk fibers assembled through bioinspired spinning. <i>Nature Communications</i> , 2017, 8, 1387.	5.8	208
6	3D Bioprinting of Self-Standing Silk-Based Bioink. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701026.	3.9	177
7	Thermoplastic moulding of regenerated silk. <i>Nature Materials</i> , 2020, 19, 102-108.	13.3	138
8	Liquid Exfoliated Natural Silk Nanofibrils: Applications in Optical and Electrical Devices. <i>Advanced Materials</i> , 2016, 28, 7783-7790.	11.1	134
9	High-Strength, Durable All-Silk Fibroin Hydrogels with Versatile Processability toward Multifunctional Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1704757.	7.8	133
10	Robust bioengineered 3D functional human intestinal epithelium. <i>Scientific Reports</i> , 2015, 5, 13708.	1.6	131
11	Enzymatic Degradation of <i>Bombyx mori</i> Silk Materials: A Review. <i>Biomacromolecules</i> , 2020, 21, 1678-1686.	2.6	99
12	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. <i>Biomaterials</i> , 2021, 276, 120995.	5.7	96
13	Programming function into mechanical forms by directed assembly of silk bulk materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 451-456.	3.3	78
14	Silk apatite composites from electrospun fibers. <i>Journal of Materials Research</i> , 2005, 20, 3374-3384.	1.2	76
15	Bioelectric modulation of macrophage polarization. <i>Scientific Reports</i> , 2016, 6, 21044.	1.6	72
16	Fiber-Based Biopolymer Processing as a Route toward Sustainability. <i>Advanced Materials</i> , 2022, 34, e2105196.	11.1	71
17	Bioelectric modulation of wound healing in a 3D in vitro model of tissue-engineered bone. <i>Biomaterials</i> , 2013, 34, 6695-6705.	5.7	68
18	Stimuli-responsive composite biopolymer actuators with selective spatial deformation behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14602-14608.	3.3	63

#	ARTICLE	IF	CITATIONS
19	Engineering silk materials: From natural spinning to artificial processing. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	56
20	Multiscale design and synthesis of biomimetic gradient protein/biosilica composites for interfacial tissue engineering. <i>Biomaterials</i> , 2017, 145, 44-55.	5.7	51
21	Regenerated silk materials for functionalized silk orthopedic devices by mimicking natural processing. <i>Biomaterials</i> , 2016, 110, 24-33.	5.7	48
22	Curcumin-functionalized silk materials for enhancing adipogenic differentiation of bone marrow-derived human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2015, 11, 222-232.	4.1	45
23	Combining In Silico Design and Biomimetic Assembly: A New Approach for Developing High-Performance Dynamic Responsive Bio-Nanomaterials. <i>Advanced Materials</i> , 2018, 30, e1802306.	11.1	34
24	Coding Cell Micropatterns Through Peptide Inkjet Printing for Arbitrary Biomineralized Architectures. <i>Advanced Functional Materials</i> , 2018, 28, 1800228.	7.8	31
25	Protein composites from silkworm cocoons as versatile biomaterials. <i>Acta Biomaterialia</i> , 2021, 121, 180-192.	4.1	29
26	Liquid-Exfoliated Mesostructured Collagen from the Bovine Achilles Tendon as Building Blocks of Collagen Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3186-3198.	4.0	26
27	Silk Biomaterials-Mediated miRNA Functionalized Orthopedic Devices. <i>Tissue Engineering - Part A</i> , 2019, 25, 12-23.	1.6	20
28	Assessment of Multipotent Mesenchymal Stromal Cells in Bone Marrow Aspirate From Human Calcaneus. <i>Journal of Foot and Ankle Surgery</i> , 2017, 56, 42-46.	0.5	8
29	Developing a self-organized tubulogenesis model of human renal proximal tubular epithelial cells in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 795-804.	2.1	7
30	Bottom-Up Construction of Electrochemically Active Living Filters: From Graphene Oxide Mediated Formation of Bacterial Cables to 3D Assembly of Hierarchical Architectures. <i>ACS Applied Bio Materials</i> , 2020, 3, 7376-7381.	2.3	4
31	Editorial: Silk-Based Functional Biomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 721761.	2.0	3