

Chunmei Li

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.

30
papers

3,246
citations

22
h-index

32
g-index

32
ext. papers

3,846
ext. citations

15.3
avg, IF

5.37
L-index

#	Paper	IF	Citations
30	Fiber-Based Biopolymer Processing as a Route toward Sustainability. <i>Advanced Materials</i> , 2021 , e21051964	11.5	10
29	Protein composites from silkworm cocoons as versatile biomaterials. <i>Acta Biomaterialia</i> , 2021 , 121, 180-192	10.8	7
28	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	9.5	7
27	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. <i>Biomaterials</i> , 2021 , 276, 120995	15.6	17
26	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	11.5	29
25	Engineering Silk Materials: From Natural Spinning to Artificial Processing. <i>Applied Physics Reviews</i> , 2020 , 7,	17.3	30
24	Enzymatic Degradation of Silk Materials: A Review. <i>Biomacromolecules</i> , 2020 , 21, 1678-1686	6.9	45
23	Thermoplastic moulding of regenerated silk. <i>Nature Materials</i> , 2020 , 19, 102-108	27	68
22	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	5.4	3
21	Design of biodegradable, implantable devices towards clinical translation. <i>Nature Reviews Materials</i> , 2020 , 5, 61-81	73.3	188
20	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	4.1	1
19	Silk Biomaterials-Mediated miRNA Functionalized Orthopedic Devices. <i>Tissue Engineering - Part A</i> , 2019 , 25, 12-23	3.9	11
18	Coding cell micropatterns through peptide inkjet printing for arbitrary biomineralized architectures. <i>Advanced Functional Materials</i> , 2018 , 28, 1800228	15.6	28
17	3D Bioprinting of Self-Standing Silk-Based Bioink. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701026	10.1	140
16	High-Strength, Durable All-Silk Fibroin Hydrogels with Versatile Processability toward Multifunctional Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1704757	15.6	89
15	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	24	23
14	Silkworm silk-based materials and devices generated using bio-nanotechnology. <i>Chemical Society Reviews</i> , 2018 , 47, 6486-6504	58.5	206

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	11.5	58
12	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	1.6	7
11	Multiscale design and synthesis of biomimetic gradient protein/biosilica composites for interfacial tissue engineering. <i>Biomaterials</i> , 2017 , 145, 44-55	15.6	40
10	Polymorphic regenerated silk fibers assembled through bioinspired spinning. <i>Nature Communications</i> , 2017 , 8, 1387	17.4	158
9	Regenerated silk materials for functionalized silk orthopedic devices by mimicking natural processing. <i>Biomaterials</i> , 2016 , 110, 24-33	15.6	40
8	Liquid Exfoliated Natural Silk Nanofibrils: Applications in Optical and Electrical Devices. <i>Advanced Materials</i> , 2016 , 28, 7783-90	24	115
7	Bioelectric modulation of macrophage polarization. <i>Scientific Reports</i> , 2016 , 6, 21044	4.9	40
6	Curcumin-functionalized silk materials for enhancing adipogenic differentiation of bone marrow-derived human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2015 , 11, 222-32	10.8	39
5	Robust bioengineered 3D functional human intestinal epithelium. <i>Scientific Reports</i> , 2015 , 5, 13708	4.9	103
4	Bioelectric modulation of wound healing in a 3D in vitro model of tissue-engineered bone. <i>Biomaterials</i> , 2013 , 34, 6695-705	15.6	62
3	Electrospun silk-BMP-2 scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2006 , 27, 3115-24	15.6	980
2	Silk apatite composites from electrospun fibers. <i>Journal of Materials Research</i> , 2005 , 20, 3374-3384	2.5	69
1	Structure and properties of silk hydrogels. <i>Biomacromolecules</i> , 2004 , 5, 786-92	6.9	632