Chunmei Li

List of Publications by Citations

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	Electrospun silk-BMP-2 scaffolds for bone tissue engineering. *Biomaterials*, **2006**, 27, 3115-24	15.6	980
29	Structure and properties of silk hydrogels. *Biomacromolecules*, **2004**, 5, 786-92	6.9	632
28	Silkworm silk-based materials and devices generated using bio-nanotechnology. *Chemical Society Reviews*, **2018**, 47, 6486-6504	58.5	206
27	Design of biodegradable, implantable devices towards clinical translation. *Nature Reviews Materials* , **2020**, 5, 61-81	73.3	188
26	Polymorphic regenerated silk fibers assembled through bioinspired spinning. *Nature Communications*, **2017**, 8, 1387	17.4	158
25	3D Bioprinting of Self-Standing Silk-Based Bioink. *Advanced Healthcare Materials*, **2018**, 7, e1701026	10.1	140
24	Liquid Exfoliated Natural Silk Nanofibrils: Applications in Optical and Electrical Devices. *Advanced Materials*, **2016**, 28, 7783-90	24	115
23	Robust bioengineered 3D functional human intestinal epithelium. *Scientific Reports*, **2015**, 5, 13708	4.9	103
22	High-Strength, Durable All-Silk Fibroin Hydrogels with Versatile Processability toward Multifunctional Applications. *Advanced Functional Materials*, **2018**, 28, 1704757	15.6	89
21	Silk apatite composites from electrospun fibers. *Journal of Materials Research*, **2005**, 20, 3374-3384	2.5	69
20	Thermoplastic moulding of regenerated silk. *Nature Materials*, **2020**, 19, 102-108	27	68
19	Bioelectric modulation of wound healing in a 3D in vitro model of tissue-engineered bone. *Biomaterials*, **2013**, 34, 6695-705	15.6	62
18	Programming function into mechanical forms by directed assembly of silk bulk materials. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 451-456	11.5	58
17	Enzymatic Degradation of Silk Materials: A Review. *Biomacromolecules*, **2020**, 21, 1678-1686	6.9	45
16	Regenerated silk materials for functionalized silk orthopedic devices by mimicking natural processing. *Biomaterials*, **2016**, 110, 24-33	15.6	40
15	Multiscale design and synthesis of biomimetic gradient protein/biosilica composites for interfacial tissue engineering. *Biomaterials*, **2017**, 145, 44-55	15.6	40
14	Bioelectric modulation of macrophage polarization. *Scientific Reports*, **2016**, 6, 21044	4.9	40

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13	Curcumin-functionalized silk materials for enhancing adipogenic differentiation of bone marrow-derived human mesenchymal stem cells. *Acta Biomaterialia*, **2015**, 11, 222-32	10.8	39
12	Engineering Silk Materials: From Natural Spinning to Artificial Processing. *Applied Physics Reviews*, **2020**, 7,	17.3	30
11	Stimuli-responsive composite biopolymer actuators with selective spatial deformation behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 14602-14608	11.5	29
10	Coding cell micropatterns through peptide inkjet printing for arbitrary biomineralized architectures. *Advanced Functional Materials*, **2018**, 28, 1800228	15.6	28
9	Combining In Silico Design and Biomimetic Assembly: A New Approach for Developing High-Performance Dynamic Responsive Bio-Nanomaterials. *Advanced Materials*, **2018**, 30, e1802306	24	23
8	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. *Biomaterials*, **2021**, 276, 120995	15.6	17
7	Silk Biomaterials-Mediated miRNA Functionalized Orthopedic Devices. *Tissue Engineering - Part A*, **2019**, 25, 12-23	3.9	11
6	Fiber-Based Biopolymer Processing as a Route toward Sustainability. *Advanced Materials*, **2021**, e2105196	24	10
5	Assessment of Multipotent Mesenchymal Stromal Cells in Bone Marrow Aspirate From Human Calcaneus. *Journal of Foot and Ankle Surgery*, **2017**, 56, 42-46	1.6	7
4	Protein composites from silkworm cocoons as versatile biomaterials. *Acta Biomaterialia*, **2021**, 121, 180-192	10.8	7
3	Liquid-Exfoliated Mesostructured Collagen from the Bovine Achilles Tendon as Building Blocks of Collagen Membranes. *ACS Applied Materials & Interfaces*, **2021**, 13, 3186-3198	9.5	7
2	Developing a self-organized tubulogenesis model of human renal proximal tubular epithelial cells in vitro. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 795-804	5.4	3
1	Bottom-Up Construction of Electrochemically Active Living Filters: From Graphene Oxide Mediated Formation of Bacterial Cables to 3D Assembly of Hierarchical Architectures.. *ACS Applied Bio Materials*, **2020**, 3, 7376-7381	4.1	1