

Lesley W Chow

List of Publications by Year in descending order

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27
papers

1,010
citations

471509

17
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552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagen-mimetic peptide-modifiable hydrogels for articular cartilage regeneration. <i>Biomaterials</i> , 2015, 54, 213-225.	11.4	139
2	A bioactive self-assembled membrane to promote angiogenesis. <i>Biomaterials</i> , 2011, 32, 1574-1582.	11.4	133
3	Self-assembling nanostructures to deliver angiogenic factors to pancreatic islets. <i>Biomaterials</i> , 2010, 31, 6154-6161.	11.4	100
4	Mapping Local Cytosolic Enzymatic Activity in Human Esophageal Mucosa with Porous Silicon Nanoneedles. <i>Advanced Materials</i> , 2015, 27, 5147-5152.	21.0	80
5	Temporally degradable collagen-mimetic hydrogels tuned to chondrogenesis of human mesenchymal stem cells. <i>Biomaterials</i> , 2016, 99, 56-71.	11.4	56
6	Enhanced articular cartilage by human mesenchymal stem cells in enzymatically mediated transiently RGDS-functionalized collagen-mimetic hydrogels. <i>Acta Biomaterialia</i> , 2017, 51, 75-88.	8.3	49
7	Peptide-Directed Spatial Organization of Biomolecules in Dynamic Gradient Scaffolds. <i>Advanced Healthcare Materials</i> , 2014, 3, 1381-1386.	7.6	44
8	The promotion of functional urinary bladder regeneration using anti-inflammatory nanofibers. <i>Biomaterials</i> , 2014, 35, 9311-9321.	11.4	41
9	3D printing with peptide-polymer conjugates for single-step fabrication of spatially functionalized scaffolds. <i>Biomaterials Science</i> , 2019, 7, 4237-4247.	5.4	38
10	Controlled Sub-Nanometer Epitope Spacing in a Three-Dimensional Self-Assembled Peptide Hydrogel. <i>ACS Nano</i> , 2016, 10, 11096-11104.	14.6	36
11	Modular and Versatile Spatial Functionalization of Tissue Engineering Scaffolds through Fiber-Initiated Controlled Radical Polymerization. <i>Advanced Functional Materials</i> , 2015, 25, 5748-5757.	14.9	35
12	Interlayer bonding strength of 3D printed PEEK specimens. <i>Soft Matter</i> , 2021, 17, 4775-4789.	2.7	35
13	Pericyte Seeded Dual Peptide Scaffold with Improved Endothelialization for Vascular Graft Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016, 5, 3046-3055.	7.6	33
14	Electrostatic Control of Structure in Self-Assembled Membranes. <i>Small</i> , 2014, 10, 500-505.	10.0	32
15	Plasmonic Chirality Imprinting on Nucleobase-Displaying Supramolecular Nanohelices by Metal-Nucleobase Recognition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2361-2365.	13.8	32
16	Multimodal Hydrogel-Based Platform To Deliver and Monitor Cardiac Progenitor/Stem Cell Engraftment. <i>ACS Central Science</i> , 2017, 3, 338-348.	11.3	25
17	Harnessing the Versatility of Bacterial Collagen to Improve the Chondrogenic Potential of Porous Collagen Scaffolds. <i>Advanced Healthcare Materials</i> , 2016, 5, 1656-1666.	7.6	21
18	Spatial organization of biochemical cues in 3D-printed scaffolds to guide osteochondral tissue engineering. <i>Biomaterials Science</i> , 2021, 9, 6813-6829.	5.4	19

#	ARTICLE	IF	CITATIONS
19	Strategies to Control or Mimic Growth Factor Activity for Bone, Cartilage, and Osteochondral Tissue Engineering. <i>Bioconjugate Chemistry</i> , 2021, 32, 861-878.	3.6	16
20	Plasmonic Chirality Imprinting on Nucleobase-Displaying Supramolecular Nanohelices by Metal-Nucleobase Recognition. <i>Angewandte Chemie</i> , 2017, 129, 2401-2405.	2.0	10
21	Creating biomaterials with spatially organized functionality. <i>Experimental Biology and Medicine</i> , 2016, 241, 1025-1032.	2.4	8
22	Electrospinning Functionalized Polymers for Use as Tissue Engineering Scaffolds. <i>Methods in Molecular Biology</i> , 2018, 1758, 27-39.	0.9	8
23	Peptide-Functionalized Fluorescent Particles for In Situ Detection of Nitric Oxide via Peroxynitrite-Mediated Nitration. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700383.	7.6	7
24	Solvent-Cast 3D Printing of Biodegradable Polymer Scaffolds. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100442.	3.6	7
25	Fabricating spatially functionalized 3D-printed scaffolds for osteochondral tissue engineering. <i>Journal of Biological Methods</i> , 2021, 8, e146.	0.6	5
26	Biomimetic Materials: Peptide-Directed Spatial Organization of Biomolecules in Dynamic Gradient Scaffolds (<i>Adv. Healthcare Mater.</i> 9/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 1350-1350.	7.6	1
27	Controlled Polymerization: Modular and Versatile Spatial Functionalization of Tissue Engineering Scaffolds through Fiber-Initiated Controlled Radical Polymerization (<i>Adv. Funct. Mater.</i> 36/2015). <i>Advanced Functional Materials</i> , 2015, 25, 5718-5718.	14.9	0