Xiaowei Li

List of Publications by Year in descending order

29 papers	1,165 citations	516561 16 h-index	501076 28 g-index
29 all docs	29 docs citations	29 times ranked	2120 citing authors

#	Article	IF	Citations
1	The Effects of the Combination of Mesenchymal Stromal Cells and Nanofiber-Hydrogel Composite on Repair of the Contused Spinal Cord. Cells, 2022, 11, 1137.	1.8	7
2	Bioengineering strategies for the treatment of peripheral arterial disease. Bioactive Materials, 2021, 6, 684-696.	8.6	8
3	Effects of Mesenchymal Stem Cellâ€Derived Paracrine Signals and Their Delivery Strategies. Advanced Healthcare Materials, 2021, 10, e2001689.	3.9	92
4	Minimally Invasive Delivery of 3D Shape Recoverable Constructs with Ordered Structures for Tissue Repair. ACS Biomaterials Science and Engineering, 2021, 7, 2204-2211.	2.6	16
5	Antioxidative and Angiogenic Hyaluronic Acid-Based Hydrogel for the Treatment of Peripheral Artery Disease. ACS Applied Materials & Interfaces, 2021, 13, 45224-45235.	4.0	9
6	3D Printed Hydrogels with Aligned Microchannels to Guide Neural Stem Cell Migration. ACS Biomaterials Science and Engineering, 2021, 7, 690-700.	2.6	30
7	Synthesis and characterization of a hyaluronic acid-based hydrogel with antioxidative and thermosensitive properties. RSC Advances, 2020, 10, 33851-33860.	1.7	4
8	Fast transformation of 2D nanofiber membranes into pre-molded 3D scaffolds with biomimetic and oriented porous structure for biomedical applications. Applied Physics Reviews, 2020, 7, 021406.	5.5	33
9	Nanofiber Microspheres: Engineering Biomimetic Nanofiber Microspheres with Tailored Size, Predesigned Structure, and Desired Composition via Gas Bubbleâ€“Mediated Coaxial Electrospray (Small) Tj ETQq1 1 0.784314 rgBT /O		
10	The effect of a nanofiber-hydrogel composite on neural tissue repair and regeneration in the contused spinal cord. Biomaterials, 2020, 245, 119978.	5.7	95
11	Engineering Biomimetic Nanofiber Microspheres with Tailored Size, Predesigned Structure, and Desired Composition via Gas Bubbleâ€“Mediated Coaxial Electrospray. Small, 2020, 16, e1907393.	5.2	26
12	Nanofiber-reinforced decellularized amniotic membrane improves limbal stem cell transplantation in a rabbit model of corneal epithelial defect. Acta Biomaterialia, 2019, 97, 310-320.	4.1	46
13	Nanofiber-hydrogel compositeâ€“mediated angiogenesis for soft tissue reconstruction. Science Translational Medicine, 2019, 11, .	5.8	171
14	In Vitro Assessment of Fluorine Nanoemulsion-Labeled Hyaluronan-Based Hydrogels for Precise Intrathecal Transplantation of Glial-Restricted Precursors. Molecular Imaging and Biology, 2019, 21, 1071-1078.	1.3	9
15	Engineering an Artificial Tâ€Cell Stimulating Matrix for Immunotherapy. Advanced Materials, 2019, 31, e1807359.	11.1	74
16	Enhancing oligodendrocyte differentiation by transient transcription activation via DNA nanoparticle-mediated transfection. Acta Biomaterialia, 2017, 54, 249-258.	4.1	8
17	Biomimetic Nanofibers as Artificial Stem CellÂNiche. , 2017, , 411-427.		1
18	Nanoparticle-mediated conversion of primary human astrocytes into neurons and oligodendrocytes. Biomaterials Science, 2016, 4, 1100-1112.	2.6	25

#	Article	IF	Citations
19	Nanoparticle-mediated transcriptional modification enhances neuronal differentiation of human neural stem cells following transplantation in rat brain. Biomaterials, 2016, 84, 157-166.	5.7	43
20	Engineering Î²-cell islets or islet-like structures for type 1 diabetes treatment. Medical Hypotheses, 2015, 85, 82-84.	0.8	4
21	Scaffolds Reinforced by Fibers or Tubes for Tissue Repair. BioMed Research International, 2014, 2014, 1-2.	0.9	5
22	Short Laminin Peptide for Improved Neural Stem Cell Growth. Stem Cells Translational Medicine, 2014, 3, 662-670.	1.6	83
23	EngineeringIn SituCross-Linkable and Neurocompatible Hydrogels. Journal of Neurotrauma, 2014, 31, 1431-1438.	1.7	15
24	Magneticâ€directed patterning of cell spheroids. Journal of Biomedical Materials Research - Part A, 2014, 102, 1537-1547.	2.1	66
25	Effects of substrate stiffness on adipogenic and osteogenic differentiation of human mesenchymal stem cells. Materials Science and Engineering C, 2014, 40, 316-323.	3.8	99
26	Engineering an in situ crosslinkable hydrogel for enhanced remyelination. FASEB Journal, 2013, 27, 1127-1136.	0.2	46
27	Engineering neural stem cell fates with hydrogel design for central nervous system regeneration. Progress in Polymer Science, 2012, 37, 1105-1129.	11.8	104
28	Improve the viability of transplanted neural cells with appropriate sized neurospheres coated with mesenchymal stem cells. Medical Hypotheses, 2012, 79, 274-277.	0.8	14
29	Manipulating neural-stem-cell mobilization and migration in vitro. Acta Biomaterialia, 2012, 8, 2087-2095.	4.1	28