

Luzhong Zhang

List of Publications by Year in descending order

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33
papers

1,136
citations

331670

21
h-index

395702

33
g-index

33
all docs

33
docs citations

33
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous chitosan scaffolds with surface micropatterning and inner porosity and their effects on Schwann cells. <i>Biomaterials</i> , 2014, 35, 8503-8513.	11.4	87
2	Construction of injectable silk fibroin/polydopamine hydrogel for treatment of spinal cord injury. <i>Chemical Engineering Journal</i> , 2020, 399, 125795.	12.7	86
3	Preparation of graphene oxide/polyacrylamide composite hydrogel and its effect on Schwann cells attachment and proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 547-556.	5.0	69
4	Nerve growth factor loaded heparin/chitosan scaffolds for accelerating peripheral nerve regeneration. <i>Carbohydrate Polymers</i> , 2017, 171, 39-49.	10.2	68
5	Tailoring degradation rates of silk fibroin scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 104-113.	4.0	62
6	Construction of Biofunctionalized Anisotropic Hydrogel Micropatterns and Their Effect on Schwann Cell Behavior in Peripheral Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37397-37410.	8.0	58
7	Spatially featured porous chitosan conduits with micropatterned inner wall and seamless sidewall for bridging peripheral nerve regeneration. <i>Carbohydrate Polymers</i> , 2018, 194, 225-235.	10.2	46
8	Localized delivery of miRNAs targets cyclooxygenases and reduces flexor tendon adhesions. <i>Acta Biomaterialia</i> , 2018, 70, 237-248.	8.3	46
9	RGD-peptide conjugated inulin-ibuprofen nanoparticles for targeted delivery of Epirubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 81-89.	5.0	45
10	Correlation between patients' age and cancer immunotherapy efficacy. <i>Oncolmmunology</i> , 2019, 8, e1568810.	4.6	44
11	Effect of silanization on chitosan porous scaffolds for peripheral nerve regeneration. <i>Carbohydrate Polymers</i> , 2014, 101, 718-726.	10.2	42
12	Bionic microenvironment-inspired synergistic effect of anisotropic micro-nanocomposite topology and biology cues on peripheral nerve regeneration. <i>Science Advances</i> , 2021, 7, .	10.3	42
13	PAM/GO/gel/SA composite hydrogel conduit with bioactivity for repairing peripheral nerve injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1273-1283.	4.0	40
14	Construction of polyacrylamide/graphene oxide/gelatin/sodium alginate composite hydrogel with bioactivity for promoting Schwann cells growth. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1951-1964.	4.0	37
15	Nanoengineered porous chitosan/CaTiO ₃ hybrid scaffolds for accelerating Schwann cells growth in peripheral nerve regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 57-67.	5.0	31
16	Gene-Loaded Nanoparticle-Coated Sutures Provide Effective Gene Delivery to Enhance Tendon Healing. <i>Molecular Therapy</i> , 2019, 27, 1534-1546.	8.2	31
17	Degradable tough chitosan dressing for skin wound recovery. <i>Nanotechnology Reviews</i> , 2020, 9, 1576-1585.	5.8	31
18	Regulating Schwann Cells Growth by Chitosan Micropatterning for Peripheral Nerve Regeneration In Vitro. <i>Macromolecular Bioscience</i> , 2014, 14, 1067-1075.	4.1	28

#	ARTICLE	IF	CITATIONS
19	Fabrication of high-strength mecobalamin loaded aligned silk fibroin scaffolds for guiding neuronal orientation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 689-697.	5.0	28
20	Construction of Dual-Biofunctionalized Chitosan/Collagen Scaffolds for Simultaneous Neovascularization and Nerve Regeneration. <i>Research</i> , 2020, 2020, 2603048.	5.7	28
21	Fabrication and characterization of polyacrylamide/silk fibroin hydrogels for peripheral nerve regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 899-916.	3.5	26
22	Twin-Arginine Translocation Peptide Conjugated Epirubicin-Loaded Nanoparticles for Enhanced Tumor Penetrating and Targeting. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4185-4196.	3.3	22
23	Brain-Targeted Dual Site-Selective Functionalized Poly(β -Amino Esters) Delivery Platform for Nerve Regeneration. <i>Nano Letters</i> , 2021, 21, 3007-3015.	9.1	21
24	Fabrication of alignment polycaprolactone scaffolds by combining use of electrospinning and micromolding for regulating Schwann cells behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3123-3134.	4.0	19
25	Morphological changes of macrophages and their potential contribution to tendon healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 209, 112145.	5.0	18
26	Hierarchically aligned gradient collagen micropatterns for rapidly screening Schwann cells behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 341-351.	5.0	15
27	Preparation of doxorubicin-loaded collagen-PAPBA nanoparticles and their anticancer efficacy in ovarian cancer. <i>Annals of Translational Medicine</i> , 2020, 8, 880-880.	1.7	14
28	Synthesis and Evaluation of Cytocompatible Alkyne-Containing Poly(β -amino ester)-Based Hydrogels Functionalized via Click Reaction. <i>ACS Macro Letters</i> , 2020, 9, 1391-1397.	4.8	13
29	Sustained-Release Hydrogel-Based Rhynchophylline Delivery System Improved Injured Tendon Repair. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111876.	5.0	11
30	Convenient in situ synthesis of injectable lysine-contained peptide functionalized hydrogels for spinal cord regeneration. <i>Applied Materials Today</i> , 2022, 27, 101506.	4.3	8
31	Soft hydrogel promotes dorsal root ganglion by upregulating gene expression of Ntn4 and Unc5B. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111503.	5.0	7
32	Construction and Biocompatibility Evaluation of Fibroin/Sericin-Based Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1494-1505.	5.2	7
33	Electrospun Silk Fibroin/Polycaprolactone Biomimetic Scaffold for Peripheral Nerve Regeneration. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016, 6, 902-909.	0.1	6