Luzhong Zhang

List of Publications by Year
in descending order

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	Morphological changes of macrophages and their potential contribution to tendon healing. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112145.	5.0	18
2	Construction and Biocompatibility Evaluation of Fibroin/Sericin-Based Scaffolds. ACS Biomaterials Science and Engineering, 2022, 8, 1494-1505.	5.2	7
3	Convenient in situ synthesis of injectable lysine-contained peptide functionalized hydrogels for spinal cord regeneration. Applied Materials Today, 2022, 27, 101506.	4.3	8
4	Soft hydrogel promotes dorsal root ganglion by upregulating gene expression of Ntn4 and Unc5B. Colloids and Surfaces B: Biointerfaces, 2021, 199, 111503.	5.0	7
5	Brain-Targeted Dual Site-Selective Functionalized Poly(Î²-Amino Esters) Delivery Platform for Nerve Regeneration. Nano Letters, 2021, 21, 3007-3015.	9.1	21
6	Bionic microenvironment-inspired synergistic effect of anisotropic micro-nanocomposite topology and biology cues on peripheral nerve regeneration. Science Advances, 2021, 7, .	10.3	42
7	Sustained-Release Hydrogel-Based Rhynchophylline Delivery System Improved Injured Tendon Repair. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111876.	5.0	11
8	Preparation of doxorubicin-loaded collagen-PAPBA nanoparticles and their anticancer efficacy in ovarian cancer. Annals of Translational Medicine, 2020, 8, 880-880.	1.7	14
9	Synthesis and Evaluation of Cytocompatible Alkyne-Containing Poly(Î²-amino ester)-Based Hydrogels Functionalized via Click Reaction. ACS Macro Letters, 2020, 9, 1391-1397.	4.8	13
10	Construction of injectable silk fibroin/polydopamine hydrogel for treatment of spinal cord injury. Chemical Engineering Journal, 2020, 399, 125795.	12.7	86
11	Degradable tough chitosan dressing for skin wound recovery. Nanotechnology Reviews, 2020, 9, 1576-1585.	5.8	31
12	Construction of Dual-Biofunctionalized Chitosan/Collagen Scaffolds for Simultaneous Neovascularization and Nerve Regeneration. Research, 2020, 2020, 2603048.	5.7	28
13	Gene-Loaded Nanoparticle-Coated Sutures Provide Effective Gene Delivery to Enhance Tendon Healing. Molecular Therapy, 2019, 27, 1534-1546.	8.2	31
14	Construction of Biofunctionalized Anisotropic Hydrogel Micropatterns and Their Effect on Schwann Cell Behavior in Peripheral Nerve Regeneration. ACS Applied Materials & Interfaces, 2019, 11, 37397-37410.	8.0	58
15	PAM/GO/gel/SA composite hydrogel conduit with bioactivity for repairing peripheral nerve injury. Journal of Biomedical Materials Research - Part A, 2019, 107, 1273-1283.	4.0	40
16	Hierarchically aligned gradient collagen micropatterns for rapidly screening Schwann cells behavior. Colloids and Surfaces B: Biointerfaces, 2019, 176, 341-351.	5.0	15
17	Tailoring degradation rates of silk fibroin scaffolds for tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 104-113.	4.0	62
18	Fabrication of high-strength mecobalamin loaded aligned silk fibroin scaffolds for guiding neuronal orientation. Colloids and Surfaces B: Biointerfaces, 2019, 173, 689-697.	5.0	28

#	Article	IF	Citations
19	Correlation between patients' age and cancer immunotherapy efficacy. OncoImmunology, 2019, 8, e1568810.	4.6	44
20	Spatially featured porous chitosan conduits with micropatterned inner wall and seamless sidewall for bridging peripheral nerve regeneration. Carbohydrate Polymers, 2018, 194, 225-235.	10.2	46
21	Localized delivery of miRNAs targets cyclooxygenases and reduces flexor tendon adhesions. Acta Biomaterialia, 2018, 70, 237-248.	8.3	46
22	Construction of polyacrylamide/graphene oxide/gelatin/sodium alginate composite hydrogel with bioactivity for promoting Schwann cells growth. Journal of Biomedical Materials Research - Part A, 2018, 106, 1951-1964.	4.0	37
23	Fabrication of alignment polycaprolactone scaffolds by combining use of electrospinning and micromolding for regulating Schwann cells behavior. Journal of Biomedical Materials Research - Part A, 2018, 106, 3123-3134.	4.0	19
24	Nerve growth factor loaded heparin/chitosan scaffolds for accelerating peripheral nerve regeneration. Carbohydrate Polymers, 2017, 171, 39-49.	10.2	68
25	Nanoengineered porous chitosan/CaTiO3 hybrid scaffolds for accelerating Schwann cells growth in peripheral nerve regeneration. Colloids and Surfaces B: Biointerfaces, 2017, 158, 57-67.	5.0	31
26	Preparation of graphene oxide/polyacrylamide composite hydrogel and its effect on Schwann cells attachment and proliferation. Colloids and Surfaces B: Biointerfaces, 2016, 143, 547-556.	5.0	69
27	RGD-peptide conjugated inulin-ibuprofen nanoparticles for targeted delivery of Epirubicin. Colloids and Surfaces B: Biointerfaces, 2016, 144, 81-89.	5.0	45
28	Electrospun Silk Fibroin/Polycaprolactone Biomimetic Scaffold for Peripheral Nerve Regeneration. Journal of Biomaterials and Tissue Engineering, 2016, 6, 902-909.	0.1	6
29	Twin-Arginine Translocation Peptide Conjugated Epirubicin-Loaded Nanoparticles for Enhanced Tumor Penetrating and Targeting. Journal of Pharmaceutical Sciences, 2015, 104, 4185-4196.	3.3	22
30	Fabrication and characterization of polyacrylamide/silk fibroin hydrogels for peripheral nerve regeneration. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 899-916.	3.5	26
31	Regulating Schwann Cells Growth by Chitosan Micropatterning for Peripheral Nerve Regeneration In Vitro. Macromolecular Bioscience, 2014, 14, 1067-1075.	4.1	28
32	Effect of silanization on chitosan porous scaffolds for peripheral nerve regeneration. Carbohydrate Polymers, 2014, 101, 718-726.	10.2	42
33	Porous chitosan scaffolds with surface micropatterning and inner porosity and their effects on Schwann cells. Biomaterials, 2014, 35, 8503-8513.	11.4	87