Yixia Yin

List of Publications by Year
in descending order

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50 papers	2,027 citations	304743 22 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	3082 citing authors

#	Article	IF	Citations
1	Sustainable release of nerve growth factor for peripheral nerve regeneration using nerve conduits laden with Bioconjugated hyaluronic acid-chitosan hydrogel. Composites Part B: Engineering, 2022, 230, 109509.	12.0	33
2	3D-bioprinted vascular scaffold with tunable mechanical properties for simulating and promoting neo-vascularization. Smart Materials in Medicine, 2022, 3, 199-208.	6.7	19
3	Conductive ionic liquid/chitosan hydrogels for neuronal cell differentiation. Engineered Regeneration, 2022, 3, 1-12.	6.0	3
4	Pentapeptide IKVAV-engineered hydrogels for neural stem cell attachment. Biomaterials Science, 2021, 9, 2887-2892.	5.4	17
5	Therapeutic silencing of SMOC2 prevents kidney function loss in mouse model of chronic kidney disease. IScience, 2021, 24, 103193.	4.1	6
6	Drug carrier for sustained release of withaferin A for pancreatic cancer treatment. Journal of Materials Science, 2020, 55, 1702-1714.	3.7	8
7	The electrostimulation and scar inhibition effect of chitosan/oxidized hydroxyethyl cellulose/reduced graphene oxide/asiaticoside liposome based hydrogel on peripheral nerve regeneration in vitro. Materials Science and Engineering C, 2020, 109, 110560.	7.3	50
8	Controlled Drug Release: Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeutic-Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term (Part. Part. Syst. Charact. 2/2019). Particle and Particle Systems Characterization, 2019, 36, 1970006.	2.3	0
9	Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeuticâ€Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term. Particle and Particle Systems Characterization, 2019, 36, 1800424.	2.3	14
10	Citrate reduced oxidative damage in stem cells by regulating cellular redox signaling pathways and represent a potential treatment for oxidative stress-induced diseases. Redox Biology, 2019, 21, 101057.	9.0	25
11	Tacrolimus- and Nerve Growth Factor-Treated Allografts for Neural Tissue Regeneration. ACS Chemical Neuroscience, 2019, 10, 1411-1419.	3.5	17
12	bFGF and Polyâ€RGD Cooperatively Establish Biointerface for Stem Cell Adhesion, Proliferation, and Differentiation. Advanced Materials Interfaces, 2018, 5, 1700702.	3.7	12
13	Functionalized Flexible Soft Polymer Optical Fibers for Laser Photomedicine. Advanced Optical Materials, 2018, 6, 1701118.	7.3	48
14	A conductive sodium alginate and carboxymethyl chitosan hydrogel doped with polypyrrole for peripheral nerve regeneration. RSC Advances, 2018, 8, 10806-10817.	3.6	118
15	Painful Terminal Neuroma Prevention by Capping PRGD/PDLLA Conduit in Rat Sciatic Nerves. Advanced Science, 2018, 5, 1700876.	11.2	28
16	Neuroma Prevention: Painful Terminal Neuroma Prevention by Capping PRGD/PDLLA Conduit in Rat Sciatic Nerves (Adv. Sci. 6/2018). Advanced Science, 2018, 5, 1870037.	11.2	0
17	Preparation and characterization of injectable chitosanâ€“hyaluronic acid hydrogels for nerve growth factor sustained release. Journal of Bioactive and Compatible Polymers, 2017, 32, 146-162.	2.1	37
18	Preparation and evaluation of an injectable chitosan-hyaluronic acid hydrogel for peripheral nerve regeneration. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 1401-1407.	1.0	13

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19	Umbilical cord blood-derived non-hematopoietic stem cells retrieved and expanded on bone marrow-derived extracellular matrix display pluripotent characteristics. Stem Cell Research and Therapy, 2016, 7, 176.	5.5	22
20	Synthesis and characterization of serial random and block-copolymers based on lactide and glycolide. Polymer Science - Series B, 2016, 58, 720-729.	0.8	9
21	Degradation characteristics, cell viability and host tissue responses of PDLLA-based scaffold with PRGD and Î²-TCP nanoparticles incorporation. International Journal of Energy Production and Management, 2016, 3, 159-166.	3.7	12
22	In vitro biological evaluation of graphene on neuronal cells. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 925-930.	1.0	2
23	Micro-Nanostructured Polyaniline Assembled in Cellulose Matrix via Interfacial Polymerization for Applications in Nerve Regeneration. ACS Applied Materials & Interfaces, 2016, 8, 17090-17097.	8.0	117
24	A Supramolecular Gel Approach to Minimize the Neural Cell Damage during Cryopreservation Process. Macromolecular Bioscience, 2016, 16, 363-370.	4.1	17
25	Light-controlled bubble propulsion of amorphous TiO₂/Au Janus micromotors. RSC Advances, 2016, 6, 10697-10703.	3.6	72
26	A novel bioactive nerve conduit for the repair of peripheral nerve injury. Neural Regeneration Research, 2016, 11, 150.	3.0	10
27	Promotion of peripheral nerve regeneration and prevention of neuroma formation by PRGD/PDLLA/Â-TCP conduit: report of two cases. International Journal of Energy Production and Management, 2015, 2, 119-124.	3.7	7
28	Effect of Hydroxyapatite Nanoparticles on the Growth Potential of Hepatoma Cells in Nude Mice. Journal of Nanoscience and Nanotechnology, 2015, 15, 3816-3822.	0.9	2
29	Single-Component TiO₂Tubular Microengines with Motion Controlled by Light-Induced Bubbles. Small, 2015, 11, 2564-2570.	10.0	154
30	Calcium Carbonate Nanoplate Assemblies with Directed High-Energy Facets: Additive-Free Synthesis, High Drug Loading, and Sustainable Releasing. ACS Applied Materials & Interfaces, 2015, 7, 15686-15691.	8.0	34
31	PRGD/PDLLA conduit potentiates rat sciatic nerve regeneration and the underlying molecular mechanism. Biomaterials, 2015, 55, 44-53.	11.4	24
32	Fabrication, Characterization and Biological Evaluation of PRGD/PDLLA/β-TCP Scaffold for Nerve Regeneration. Journal of Fiber Bioengineering and Informatics, 2015, 8, 133-142.	0.2	1
33	Different Inhibitory Effect and Mechanism of Hydroxyapatite Nanoparticles on Normal Cells and Cancer Cells In Vitro and In Vivo. Scientific Reports, 2014, 4, 7134.	3.3	139
34	Effects of Uptake of Hydroxyapatite Nanoparticles into Hepatoma Cells on Cell Adhesion and Proliferation. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	17
35	IKVAV regulates ERK1/2 and Akt signalling pathways in BMMSC population growth and proliferation. Cell Proliferation, 2014, 47, 133-145.	5.3	30
36	PDLLA/PRGD/Î²â€TCP conduits build the neurotrophinâ€rich microenvironment suppressing the oxidative stress and promoting the sciatic nerve regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, 3734-3743.	4.0	25

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37	Conductive PPY/PDLLA conduit for peripheral nerve regeneration. Biomaterials, 2014, 35, 225-235.	11.4	261
38	Cytocompatibility evaluation of grafted IKVAV PLEOF hydrogels with bone marrow mesenchymal stem cells. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 824-831.	1.0	4
39	RGD gifted PDLLA-PRGD conduits promotes the sciatic nerve regeneration. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 620-625.	1.0	0
40	Effects of the interaction between hydroxyapatite nanoparticles and hepatoma cells. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 635-642.	1.0	3
41	Synthesis, characterization and biological evaluation of poly [LA-co-(Glc-alt-Lys)] for nerve regeneration scaffold. Frontiers of Materials Science, 2014, 8, 95-101.	2.2	4
42	Autonomous Motion and Temperature-Controlled Drug Delivery of Mg/Pt-Poly(N-isopropylacrylamide) Janus Micromotors Driven by Simulated Body Fluid and Blood Plasma. ACS Applied Materials & Interfaces, 2014, 6, 9897-9903.	8.0	253
43	Rapamycin promotes Schwann cell migration and nerve growth factor secretion. Neural Regeneration Research, 2014, 9, 602.	3.0	13
44	Selfâ€Propelled Micromotors Driven by the Magnesiumâ€“Water Reaction and Their Hemolytic Properties. Angewandte Chemie - International Edition, 2013, 52, 7208-7212.	13.8	223
45	Use new PLGL-RGD-NGF nerve conduits for promoting peripheral nerve regeneration. BioMedical Engineering OnLine, 2012, 11, 36.	2.7	34
46	Cytotoxic effects of ZnO hierarchical architectures on RSC96 Schwann cells. Nanoscale Research Letters, 2012, 7, 439.	5.7	45
47	In vitro biocompatibility assessment of a novel PRGD/PDLLA/NGF composite material. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 1059-1063.	1.0	2
48	A novel nerve guidance conduit with sustained release of NGF enhances sciatic nerve regeneration. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 944-947.	1.0	1
49	Evaluation of a novel bioabsorbable PRGD/PDLLA/Î²-TCP/NGF composites in repair of peripheral nerves. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 409-414.	1.0	5
50	Synthesis and RGD peptide modification of poly{(lactic acid)-co-[(glycolic acid)-alt-(L-lysine)]}. E-Polymers, 2008, 8, .	3.0	4