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	Conductive PPY/PDLLA conduit for peripheral nerve regeneration. Biomaterials, 2014, 35, 225-235.	11.4	261
2	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
3	Selfâ€Propelled Micromotors Driven by the Magnesiumâ€“Water Reaction and Their Hemolytic Properties. Angewandte Chemie - International Edition, 2013, 52, 7208-7212.	13.8	223
4	Single-Component TiO₂Tubular Microengines with Motion Controlled by Light-Induced Bubbles. Small, 2015, 11, 2564-2570.	10.0	154
5	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
6	A conductive sodium alginate and carboxymethyl chitosan hydrogel doped with polypyrrole for peripheral nerve regeneration. RSC Advances, 2018, 8, 10806-10817.	3.6	118
7	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
8	Light-controlled bubble propulsion of amorphous TiO₂/Au Janus micromotors. RSC Advances, 2016, 6, 10697-10703.	3.6	72
9	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
10	Functionalized Flexible Soft Polymer Optical Fibers for Laser Photomedicine. Advanced Optical Materials, 2018, 6, 1701118.	7.3	48
11	Cytotoxic effects of ZnO hierarchical architectures on RSC96 Schwann cells. Nanoscale Research Letters, 2012, 7, 439.	5.7	45
12	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
13	Use new PLGL-RGD-NGF nerve conduits for promoting peripheral nerve regeneration. BioMedical Engineering OnLine, 2012, 11, 36.	2.7	34
14	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
15	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
16	IKVAV regulates ERK1/2 and Akt signalling pathways in BMMSC population growth and proliferation. Cell Proliferation, 2014, 47, 133-145.	5.3	30
17	Painful Terminal Neuroma Prevention by Capping PRGD/PDLLA Conduit in Rat Sciatic Nerves. Advanced Science, 2018, 5, 1700876.	11.2	28
18	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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19	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
20	PRGD/PDLLA conduit potentiates rat sciatic nerve regeneration and the underlying molecular mechanism. Biomaterials, 2015, 55, 44-53.	11.4	24
21	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
22	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
23	Effects of Uptake of Hydroxyapatite Nanoparticles into Hepatoma Cells on Cell Adhesion and Proliferation. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	17
24	A Supramolecular Gel Approach to Minimize the Neural Cell Damage during Cryopreservation Process. Macromolecular Bioscience, 2016, 16, 363-370.	4.1	17
25	Tacrolimus- and Nerve Growth Factor-Treated Allografts for Neural Tissue Regeneration. ACS Chemical Neuroscience, 2019, 10, 1411-1419.	3.5	17
26	Pentapeptide IKVAV-engineered hydrogels for neural stem cell attachment. Biomaterials Science, 2021, 9, 2887-2892.	5.4	17
27	Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable TherapeuticâEHydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term. Particle and Particle Systems Characterization, 2019, 36, 1800424.	2.3	14
28	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
29	Rapamycin promotes Schwann cell migration and nerve growth factor secretion. Neural Regeneration Research, 2014, 9, 602.	3.0	13
30	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
31	bFGF and PolyâERGD Cooperatively Establish Biointerface for Stem Cell Adhesion, Proliferation, and Differentiation. Advanced Materials Interfaces, 2018, 5, 1700702.	3.7	12
32	A novel bioactive nerve conduit for the repair of peripheral nerve injury. Neural Regeneration Research, 2016, 11, 150.	3.0	10
33	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
34	Drug carrier for sustained release of withaferin A for pancreatic cancer treatment. Journal of Materials Science, 2020, 55, 1702-1714.	3.7	8
35	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
36	Therapeutic silencing of SMOC2 prevents kidney function loss in mouse model of chronic kidney disease. IScience, 2021, 24, 103193.	4.1	6

#	Article	IF	Citations
37	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
38	Synthesis and RGD peptide modification of poly{(lactic acid)-co-[(glycolic acid)-alt-(L-lysine)]}. E-Polymers, 2008, 8, .	3.0	4
39	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
40	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
41	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
42	Conductive ionic liquid/chitosan hydrogels for neuronal cell differentiation. Engineered Regeneration, 2022, 3, 1-12.	6.0	3
43	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
44	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
45	In vitro biological evaluation of graphene on neuronal cells. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 925-930.	1.0	2
46	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
47	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
48	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
49	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
50	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