

Xinyu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

795
citations

623574

14
h-index

526166

27
g-index

28
all docs

28
docs citations

28
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Different Inhibitory Effect and Mechanism of Hydroxyapatite Nanoparticles on Normal Cells and Cancer Cells In Vitro and In Vivo. <i>Scientific Reports</i> , 2014, 4, 7134.	1.6	139
2	Formation of curcumin nanoparticles via solution-enhanced dispersion by supercritical CO ₂ . <i>International Journal of Nanomedicine</i> , 2015, 10, 3171.	3.3	97
3	Development and biocompatibility evaluation of biodegradable bacterial cellulose as a novel peripheral nerve scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1288-1298.	2.1	65
4	Electrospun preparation and biological properties in vitro of polyvinyl alcohol/sodium alginate/nano-hydroxyapatite composite fiber membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 171-177.	2.5	46
5	A simple route to prepare stable hydroxyapatite nanoparticles suspension. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1235-1240.	0.8	43
6	Research progress, models and simulation of electrospinning technology: a review. <i>Journal of Materials Science</i> , 2022, 57, 58-104.	1.7	42
7	Silk fibroin/sodium alginate composite porous materials with controllable degradation. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1314-1322.	3.6	39
8	Preparation and characterization of injectable chitosan-hyaluronic acid hydrogels for nerve growth factor sustained release. <i>Journal of Bioactive and Compatible Polymers</i> , 2017, 32, 146-162.	0.8	37
9	Repairing Transected Peripheral Nerve Using a Biomimetic Nerve Guidance Conduit Containing Intraluminal Sponge Fillers. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900913.	3.9	37
10	Synthesis of polycarbonate urethane elastomers and effects of the chemical structures on their thermal, mechanical and biocompatibility properties. <i>Heliyon</i> , 2016, 2, e00125.	1.4	34
11	Rare Earth Doped Apatite Nanomaterials for Biological Application. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	31
12	PRGD/PDLLA conduit potentiates rat sciatic nerve regeneration and the underlying molecular mechanism. <i>Biomaterials</i> , 2015, 55, 44-53.	5.7	24
13	Bilayer silk fibroin/sodium alginate scaffold promotes vascularization and advances inflammation stage in full-thickness wound. <i>Biofabrication</i> , 2022, 14, 035016.	3.7	20
14	Synthesis of terbium doped calcium phosphate nanocrystalline powders by citric acid sol-gel combustion method. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 125-129.	1.1	19
15	Development of silk fibroin-sodium alginate scaffold loaded silk fibroin nanoparticles for hemostasis and cell adhesion. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 514-523.	3.6	17
16	Nanocomposite Hydrogels with High Mechanical Strength and High Swelling Ratio by RAFT Polymerization. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 10-16.	1.8	13
17	Preparation and evaluation of an injectable chitosan-hyaluronic acid hydrogel for peripheral nerve regeneration. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1401-1407.	0.4	13
18	Rapamycin promotes Schwann cell migration and nerve growth factor secretion. <i>Neural Regeneration Research</i> , 2014, 9, 602.	1.6	13

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19	Preparation and characterization of calcium phosphate- α -albumin colloidal particles by high ultrasonic irradiation. <i>Colloid and Polymer Science</i> , 2005, 284, 203-207.	1.0	12
20	Effects of chairside polishing and brushing on surface roughness of acrylic denture base resins. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 100-105.	0.4	11
21	Oxidized sodium alginate crosslinked silk fibroin composite scaffold for skin tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 2667-2675.	1.6	11
22	Comparative study of visual and instrumental analyses of shade selection. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 62-67.	0.4	10
23	A novel thermolysis method of colloidal protein precursors to prepare hydroxyapatite nanocrystals. <i>Crystal Research and Technology</i> , 2009, 44, 336-340.	0.6	9
24	Fabrication of Hydroxyapatite/Tantalum Composites by Pressureless Sintering in Different Atmosphere. <i>ACS Omega</i> , 2021, 6, 12831-12840.	1.6	6
25	Cytocompatibility evaluation of grafted IKVAV PLEOF hydrogels with bone marrow mesenchymal stem cells. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 824-831.	0.4	4
26	Synthesis of the Functional Hydrogels: Poly(N-isopropylacrylamide) Threaded onto the PEG Backbones Via RAFT. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1019-1025.	1.2	1
27	RGD gifted PDLLA-PRGD conduits promotes the sciatic nerve regeneration. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 620-625.	0.4	0