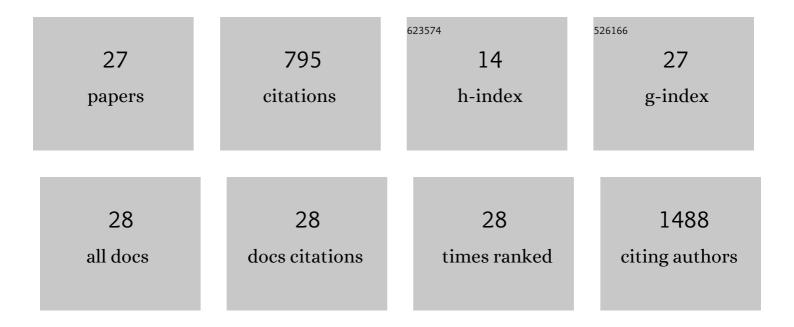
Xinyu Wang

List of Publications by Year in descending order

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XINVII WANC

#	Article	IF	CITATIONS
1	Different Inhibitory Effect and Mechanism of Hydroxyapatite Nanoparticles on Normal Cells and Cancer Cells In Vitro and In Vivo. Scientific Reports, 2014, 4, 7134.	1.6	139
2	Formation of curcumin nanoparticles via solution-enhanced dispersion by supercritical CO2. International Journal of Nanomedicine, 2015, 10, 3171.	3.3	97
3	Development and biocompatibility evaluation of biodegradable bacterial cellulose as a novel peripheral nerve scaffold. Journal of Biomedical Materials Research - Part A, 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. Colloids and Surfaces B: Biointerfaces, 2019, 173, 171-177.	2.5	46
5	A simple route to prepare stable hydroxyapatite nanoparticles suspension. Journal of Nanoparticle Research, 2009, 11, 1235-1240.	0.8	43
6	Research progress, models and simulation of electrospinning technology: a review. Journal of Materials Science, 2022, 57, 58-104.	1.7	42
7	Silk fibroin/sodium alginate composite porous materials with controllable degradation. International Journal of Biological Macromolecules, 2020, 150, 1314-1322.	3.6	39
8	Preparation and characterization of injectable chitosan–hyaluronic acid hydrogels for nerve growth factor sustained release. Journal of Bioactive and Compatible Polymers, 2017, 32, 146-162.	0.8	37
9	Repairing Transected Peripheral Nerve Using a Biomimetic Nerve Guidance Conduit Containing Intraluminal Sponge Fillers. Advanced Healthcare Materials, 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. Heliyon, 2016, 2, e00125.	1.4	34
11	Rare Earth Doped Apatite Nanomaterials for Biological Application. Journal of Nanomaterials, 2015, 2015, 2015, 1-6.	1.5	31
12	PRGD/PDLLA conduit potentiates rat sciatic nerve regeneration and the underlying molecular mechanism. Biomaterials, 2015, 55, 44-53.	5.7	24
13	Bilayer silk fibroin/sodium alginate scaffold promotes vascularization and advances inflammation stage in full-thickness wound. Biofabrication, 2022, 14, 035016.	3.7	20
14	Synthesis of terbium doped calcium phosphate nanocrystalline powders by citric acid sol–gel combustion method. Journal of Sol-Gel Science and Technology, 2009, 49, 125-129.	1.1	19
15	Development of silk fibroin‑sodium alginate scaffold loaded silk fibroin nanoparticles for hemostasis and cell adhesion. International Journal of Biological Macromolecules, 2022, 211, 514-523.	3.6	17
16	Nanocomposite Hydrogels with High Mechanical Strength and High Swelling Ratio by RAFT Polymerization. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 10-16.	1.8	13
17	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.	0.4	13
18	Rapamycin promotes Schwann cell migration and nerve growth factor secretion. Neural Regeneration Research, 2014, 9, 602.	1.6	13

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