

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 | Research progress, models and simulation of electrospinning technology: a review. <i>Journal of Materials Science</i> , 2022, 57, 58-104. | 1.7 | 42 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Fabrication of Hydroxyapatite/Tantalum Composites by Pressureless Sintering in Different Atmosphere. <i>ACS Omega</i> , 2021, 6, 12831-12840. | 1.6 | 6 |
| 6 | Silk fibroin/sodium alginate composite porous materials with controllable degradation. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1314-1322. | 3.6 | 39 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Formation of curcumin nanoparticles via solution-enhanced dispersion by supercritical CO ₂ . <i>International Journal of Nanomedicine</i> , 2015, 10, 3171. | 3.3 | 97 |
| 14 | Rare Earth Doped Apatite Nanomaterials for Biological Application. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6. | 1.5 | 31 |
| 15 | PRGD/PDLLA conduit potentiates rat sciatic nerve regeneration and the underlying molecular mechanism. <i>Biomaterials</i> , 2015, 55, 44-53. | 5.7 | 24 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Rapamycin promotes Schwann cell migration and nerve growth factor secretion. <i>Neural Regeneration Research</i> , 2014, 9, 602. | 1.6 | 13 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 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 | 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 |
| 25 | A simple route to prepare stable hydroxyapatite nanoparticles suspension. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1235-1240. | 0.8 | 43 |
| 26 | 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 |
| 27 | Preparation and characterization of calcium phosphate-albumin colloidal particles by high ultrasonic irradiation. <i>Colloid and Polymer Science</i> , 2005, 284, 203-207. | 1.0 | 12 |