

Honglian Dai

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,471
citations

361296

20
h-index

345118

36
g-index

59
all docs

59
docs citations

59
times ranked

2112
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved functional recovery of rat transected spinal cord by peptide-grafted PNIPAM based hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112220.	2.5	13
2	Oriented nanofibrous P(MMD-co-LA)/Deferoxamine nerve scaffold facilitates peripheral nerve regeneration by regulating macrophage phenotype and revascularization. <i>Biomaterials</i> , 2022, 280, 121288.	5.7	46
3	GSH/enzyme-responsive 2-sulfonyl-1-methylimidazole prodrug for enhanced transdermal drug delivery and therapeutic efficacy against hyperthyroidis. <i>International Journal of Pharmaceutics</i> , 2022, 617, 121600.	2.6	2
4	Citric acid cross-linked chitosan for inhibiting oxidative stress after nerve injury. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 2231-2240.	1.6	8
5	Recent progress of nanomedicine in secreted phospholipase A2 as a potential therapeutic target. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7349-7360.	2.9	8
6	Iron oxide nanoparticles with photothermal performance and enhanced nanozyme activity for bacteria-infected wound therapy. <i>International Journal of Energy Production and Management</i> , 2022, 9, .	1.9	21
7	Mesoporous hollow Fe ₃ O ₄ nanoparticles regulate the behavior of neuro-associated cells through induction of macrophage polarization in an alternating magnetic field. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5633-5643.	2.9	7
8	Citrate regulates extracellular matrix mineralization during osteoblast differentiation in vitro. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111269.	1.5	9
9	Effects of bioactive strontium-substituted hydroxyapatite on osseointegration of polyethylene terephthalate artificial ligaments. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6600-6613.	2.9	14
10	Construction of macroporous magnesium phosphate-based bone cement with sustained drug release. <i>Materials and Design</i> , 2021, 200, 109466.	3.3	19
11	Poly- μ -caprolactone/Whitlockite Electrospun Bionic Membrane with an Osteogenic/Angiogenic Coupling Effect for Periosteal Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3321-3331.	2.6	18
12	Vancomycin Hydrochloride Loaded Hydroxyapatite Mesoporous Microspheres with Micro/Nano Surface Structure to Increase Osteogenic Differentiation and Antibacterial Ability. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1668-1678.	0.5	3
13	Porous PLGA-PEG nerve conduit decorated with oriented electrospun chitosan-RGD nanofibre. <i>Journal of Materials Research and Technology</i> , 2021, 15, 86-98.	2.6	2
14	3D printed tricalcium phosphate-bioglass scaffold with gyroid structure enhance bone ingrowth in challenging bone defect treatment. <i>Applied Materials Today</i> , 2021, 25, 101166.	2.3	24
15	Articular cartilage and osteochondral tissue engineering techniques: Recent advances and challenges. <i>Bioactive Materials</i> , 2021, 6, 4830-4855.	8.6	139
16	Mesoporous polydopamine-coated hydroxyapatite nano-composites for ROS-triggered nitric oxide-enhanced photothermal therapy of osteosarcoma. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7401-7408.	2.9	21
17	A chitosan based scaffold with enhanced mechanical and biocompatible performance for biomedical applications. <i>Polymer Degradation and Stability</i> , 2020, 181, 109322.	2.7	21
18	Enhanced proliferation and differentiation of neural stem cells by peptide-containing temperature-sensitive hydrogel scaffold. <i>Materials Science and Engineering C</i> , 2020, 116, 111258.	3.8	15

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19	The antibacterial and antibiofilm activities of mesoporous hollow Fe ₃ O ₄ nanoparticles in an alternating magnetic field. <i>Biomaterials Science</i> , 2020, 8, 4492-4507.	2.6	33
20	An injectable bioactive magnesium phosphate cement incorporating carboxymethyl chitosan for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 101-111.	3.6	41
21	Magnesium Calcium Phosphate Cement Incorporating Citrate for Vascularized Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6299-6308.	2.6	16
22	A New Type of Nanogel Carrier based on Mixed Pluronic Loaded with Low-Dose Antitumor Drugs. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 960-967.	0.4	3
23	Citric acid modification of a polymer exhibits antioxidant and anti-inflammatory properties in stem cells and tissues. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2414-2424.	2.1	27
24	3D printing of bioglass-reinforced β -TCP porous bioceramic scaffolds. <i>Journal of Materials Science</i> , 2019, 54, 10437-10446.	1.7	36
25	Citric acid enhances the physical properties, cytocompatibility and osteogenesis of magnesium calcium phosphate cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 94, 42-50.	1.5	53
26	Citrate reduced oxidative damage in stem cells by regulating cellular redox signaling pathways and represent a potential treatment for oxidative stress-induced diseases. <i>Redox Biology</i> , 2019, 21, 101057.	3.9	25
27	Magnesium phosphate based cement with improved setting, strength and cytocompatibility properties by adding Ca(H ₂ PO ₄) ₂ ·H ₂ O and citric acid. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 229-236.	1.5	38
28	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
29	Magnetically targeted co-delivery of hydrophilic and hydrophobic drugs with hollow mesoporous ferrite nanoparticles. <i>RSC Advances</i> , 2018, 8, 15326-15335.	1.7	9
30	Nondegradable magnetic poly (carbonate urethane) microspheres with good shape memory as a proposed material for vascular embolization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 9-17.	1.5	14
31	Influence of different divalent ions cross-linking sodium alginate-polyacrylamide hydrogels on antibacterial properties and wound healing. <i>Carbohydrate Polymers</i> , 2018, 197, 292-304.	5.1	162
32	Synthesis, Characterization of Nano- β -Tricalcium Phosphate and the Inhibition on Hepatocellular Carcinoma Cells. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	1.5	4
33	Painful Terminal Neuroma Prevention by Capping PRGD/PDLLA Conduit in Rat Sciatic Nerves. <i>Advanced Science</i> , 2018, 5, 1700876.	5.6	28
34	The effect of different hydroxyapatite microparticles on the osteogenic differentiation of MC3T3-E1 preosteoblasts. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5234-5242.	2.9	18
35	The Synthesis of Size-Adjustable Superparamagnetism Fe ₃ O ₄ Hollow Microspheres. <i>Nanoscale Research Letters</i> , 2017, 12, 234.	3.1	21
36	Synthesis, mechanical properties and biocompatibility of novel biodegradable Poly(amide-imide)s for spinal implant. <i>Polymer Degradation and Stability</i> , 2017, 135, 85-98.	2.7	7

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37	Ultrasonically assisted preparation of poly(acrylic acid)/calcium phosphate hybrid nanogels as pH-responsive drug carriers. <i>Materials Science and Engineering C</i> , 2017, 80, 688-697.	3.8	28
38	Drug-Loaded Polymeric Nanoparticles for Cancer Stem Cell Targeting. <i>Frontiers in Pharmacology</i> , 2017, 8, 51.	1.6	59
39	A Highly Hydrophilic and Biodegradable Novel Poly(amide-imide) for Biomedical Applications. <i>Polymers</i> , 2016, 8, 441.	2.0	7
40	Degradation characteristics, cell viability and host tissue responses of PDLLA-based scaffold with PRGD and β -TCP nanoparticles incorporation. <i>International Journal of Energy Production and Management</i> , 2016, 3, 159-166.	1.9	12
41	Synthesis of magnetic particles with well-defined living polymeric chains via combination of RAFT polymerization and thiol-ene click chemistry. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	8
42	Preparation and characterization of a degradable magnesium phosphate bone cement. <i>International Journal of Energy Production and Management</i> , 2016, 3, 231-237.	1.9	27
43	Micro-Nanostructured Polyaniline Assembled in Cellulose Matrix via Interfacial Polymerization for Applications in Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17090-17097.	4.0	117
44	Synthesis and characterization of shape-memory poly carbonate urethane microspheres for future vascular embolization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1248-1261.	1.9	11
45	Rare Earth Doped Apatite Nanomaterials for Biological Application. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	31
46	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
47	PDLLA/PRGD/ β -TCP conduits build the neurotrophin-rich microenvironment suppressing the oxidative stress and promoting the sciatic nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3734-3743.	2.1	25
48	Preparation of nano-TiO ₂ by liquid hydrolysis and characterization of its antibacterial activity. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 407-409.	0.4	5
49	RGD grafted 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
50	Synthesis, characterization and biological evaluation of poly [LA-co-(Glc-alt-Lys)] for nerve regeneration scaffold. <i>Frontiers of Materials Science</i> , 2014, 8, 95-101.	1.1	4
51	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
52	Preparation and drug-release behavior of β -TCP ceramics drug carrier in vitro. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1058-1060.	0.4	0
53	Effects of β -TCP ceramics on osteoblast cellular proliferating, mineralization and osteocalcin expression. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 107-109.	0.4	0
54	Effects of β -TCP ceramics on intracellular Ca ²⁺ concentration, mineralization of osteoblast and protein structure. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1064-1067.	0.4	3

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55	Evaluation of a novel bioabsorbable PRGD/PDLLA/ β -TCP/NGF composites in repair of peripheral nerves. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 409-414.	0.4	5
56	Effect of hydroxyapatite nanoparticles on K562 cells in vitro. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 222-224.	0.4	2
57	Effect of β -TCP ceramic on the total protein of osteoblasts. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 98-101.	0.4	3
58	Lath-like Structure of beta-Tricalcium Phosphate in Orthopedic Implants. Journal of the American Ceramic Society, 2005, 88, 1597-1599.	1.9	1