

Di Huang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86 papers	1,773 citations	20 h-index	40 g-index
99 ext. papers	2,374 ext. citations	4.7 avg, IF	4.8 L-index

#	Paper	IF	Citations
86	Preparation of PAA/PAM/MXene/TA hydrogel with antioxidant, healable ability as strain sensor.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 214, 112482	6	3
85	Bone-like hydroxyapatite anchored on alginate microspheres for bone regeneration.. <i>Carbohydrate Polymers</i> , 2022 , 287, 119330	10.3	1
84	Fabrication and characterization of double-layer asymmetric dressing through electrostatic spinning and 3D printing for skin wound repair. <i>Materials and Design</i> , 2022 , 218, 110711	8.1	0
83	Fabrication of adhesive hydrogels based on poly (acrylic acid) and modified hyaluronic acid.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 126, 105044	4.1	1
82	Structural geometries and mechanical properties of vertebral implant with honeycomb sandwich structure for vertebral compression fractures: a finite element analysis. <i>BioMedical Engineering OnLine</i> , 2021 , 20, 96	4.1	1
81	Zinc oxide crystals growth on polyamide nanofibers and their conductive and biological properties. <i>Journal of Crystal Growth</i> , 2021 , 576, 126375	1.6	
80	Synthesis and characterization of porous CaCO microspheres templated by yeast cells and the application as pH value-sensitive anticancer drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 199, 111545	6	0
79	The fabrication of antibacterial hydrogels for wound healing. <i>European Polymer Journal</i> , 2021 , 146, 110268	5.8	29
78	Electrospun polyamide-6/chitosan nanofibers reinforced nano-hydroxyapatite/polyamide-6 composite bilayered membranes for guided bone regeneration. <i>Carbohydrate Polymers</i> , 2021 , 260, 117769	10.3	19
77	Reversed-engineered human alveolar lung-on-a-chip model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	43
76	Physicochemical properties and biocompatibility of the bi-layer polyvinyl alcohol-based hydrogel for osteochondral tissue engineering. <i>Materials and Design</i> , 2021 , 204, 109652	8.1	8
75	Human Cancer Cell Membrane-Cloaked FeO Nanocubes for Homologous Targeting Improvement. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 7417-7426	3.4	2
74	Berberine carried gelatin/sodium alginate hydrogels with antibacterial and EDTA-induced detachment performances. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 1039-1046	7.9	11
73	Investigating lymphangiogenesis in a sacrificially bioprinted volumetric model of breast tumor tissue. <i>Methods</i> , 2021 , 190, 72-79	4.6	9
72	Self-assembled nanosheets on NiTi alloy facilitate endothelial cell function and manipulate macrophage immune response. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 110-120	9.1	3
71	An All-in-One Tannic Acid-Containing Hydrogel Adhesive with High Toughness, Notch Insensitivity, Self-Healability, Tailorable Topography, and Strong, Instant, and On-Demand Underwater Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9748-9761	9.5	26
70	Coated electrospun polyamide-6/chitosan scaffold with hydroxyapatite for bone tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2021 , 16, 025014	3.5	5

69	Multifunctional modification of Fe ₃ O ₄ nanoparticles for diagnosis and treatment of diseases: A review. <i>Frontiers of Materials Science</i> , 2021 , 15, 36-53	2.5	3
68	Core-Shell Nanofibers with a Shish-Kebab Structure Simulating Collagen Fibrils for Bone Tissue Engineering.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6167-6174	4.1	0
67	Alginate microgels as delivery vehicles for cell-based therapies in tissue engineering and regenerative medicine. <i>Carbohydrate Polymers</i> , 2021 , 266, 118128	10.3	12
66	Enhanced cell adhesion on collagen I treated parylene-C microplates. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 2195-2209	3.5	2
65	The preparation and study on properties of calcium sulfate bone cement combined tuning silk fibroin nanofibers and vancomycin-loaded silk fibroin microspheres. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 ,	3.5	1
64	Low-temperature alkali corrosion induced growth of nanosheet layers on NiTi alloy and their corrosion behavior and biological responses. <i>Corrosion Science</i> , 2021 , 190, 109654	6.8	3
63	Engineered bone tissues using biomineralized gelatin methacryloyl/sodium alginate hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 1-18	3.5	2
62	The study of mechanical and drug release properties of the mineralized collagen/poly(lactic acid) scaffold by tuning the crystalline structure of poly(lactic acid). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 749-762	3.5	2
61	Facile synthesis, microstructure, formation mechanism, in vitro biocompatibility, and drug delivery property of novel dendritic TiO ₂ nanofibers with ultrahigh surface area. <i>Materials Science and Engineering C</i> , 2020 , 115, 111100	8.3	1
60	Mineralized Polyamide66/Calcium Chloride Nanofibers for Bone Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 352-363	2.9	2
59	High strength poly(vinyl alcohol)/poly(acrylic acid) (PVA/PAA) hydrogel fabricated by Cold-Drawn method for cartilage tissue substitutes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 1836-1851	3.5	12
58	Synthesis and characterization of calcium carbonate on three kinds of microbial cells templates. <i>Journal of Crystal Growth</i> , 2020 , 547, 125755	1.6	9
57	Biomimetic poly(vinyl alcohol)/type II collagen hydrogels for cartilage tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 1179-1198	3.5	12
56	Silver-loaded microspheres reinforced chitosan scaffolds for skin tissue engineering. <i>European Polymer Journal</i> , 2020 , 134, 109861	5.2	14
55	Ultrathin MoSe ₂ Nanosheets Confined in N-doped Macroporous Carbon Frame for Enhanced Potassium Ion Storage. <i>ChemistrySelect</i> , 2020 , 5, 2412-2418	1.8	13
54	Porous PVA/SA/HA hydrogels fabricated by dual-crosslinking method for bone tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 816-831	3.5	12
53	The effect of calcium phosphate and silk fibroin nanofiber tuning on properties of calcium sulfate bone cements. <i>Biomedical Materials (Bristol)</i> , 2020 , 16, 015009	3.5	5
52	Ag nanoparticles incorporated tannic acid/nanoapatite composite coating on Ti implant surfaces for enhancement of antibacterial and antioxidant properties. <i>Surface and Coatings Technology</i> , 2020 , 399, 126169	4.4	13

51	Inhibiting Cell Viability and Motility by Layer-by-Layer Assembly and Biomineralization. <i>ACS Omega</i> , 2020 , 5, 17118-17128	3.9	5
50	Uniform FeO/GdO-DHCA nanocubes for dual-mode magnetic resonance imaging. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1000-1009	3	3
49	Hydroxyapatite/tannic acid composite coating formation based on Ti modified by TiO nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111304	6	5
48	In-situ thermal crosslinked PA66/ β -cyclodextrin/PA66 nanofibrous membranes with high mechanical strength for removal of heavy metal ions by flow through adsorption. <i>Polymer Testing</i> , 2020 , 91, 106854	4.5	3
47	In situ biomimetic formation of nano-hydroxyapatite crystals on chitosan microspheres. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 36-43	3.2	2
46	FeS ₂ nanoparticles embedded in N/S co-doped porous carbon fibers as anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 380, 122455	14.7	67
45	Ag nanoparticles decorated electrospinning carbon nanotubes/polyamide nanofibers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019 , 30, 1744-1755	3.5	8
44	Nano-hydroxyapatite crystal formation based on calcified TiO ₂ nanotube arrays. <i>Applied Surface Science</i> , 2019 , 478, 237-246	6.7	13
43	Naturally derived silk fibroin/gelatin composites as novel sacrificial template for synthesis of silica nanotubes with controllable size and their in vitro biocompatibility. <i>Materials Letters</i> , 2019 , 251, 89-93	3.3	3
42	Generation of Cost-Effective Paper-Based Tissue Models through Matrix-Assisted Sacrificial 3D Printing. <i>Nano Letters</i> , 2019 , 19, 3603-3611	11.5	30
41	Bionanomaterials as Imaging Contrast Agents 2019 , 401-421		
40	Osteogenic activity, antibacterial ability, and Ni release of Mg-incorporated Ni-Ti-O nanopore coatings on NiTi alloy. <i>Applied Surface Science</i> , 2019 , 486, 441-451	6.7	10
39	Calcium sulfate bone cements with nanoscaled silk fibroin as inducer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2611-2619	3.5	8
38	Carbon nanotube reinforced polyvinyl alcohol/biphasic calcium phosphate scaffold for bone tissue engineering.. <i>RSC Advances</i> , 2019 , 9, 38998-39010	3.7	17
37	Phase-controlled synthesis of molybdenum oxide nanoparticles for surface enhanced Raman scattering and photothermal therapy. <i>Nanoscale</i> , 2018 , 10, 5997-6004	7.7	62
36	A multifaceted coating on titanium dictates osteoimmunomodulation and osteo/angio-genesis towards ameliorative osseointegration. <i>Biomaterials</i> , 2018 , 162, 154-169	15.6	134
35	A study of the initial adhesive force of cells on silk fibroin-based materials using micropipette aspiration. <i>International Journal of Energy Production and Management</i> , 2018 , 5, 151-157	5.3	5
34	Synthesis of hollow structural hydroxyapatite with different morphologies using calcium carbonate as hard template. <i>Advanced Powder Technology</i> , 2018 , 29, 1562-1570	4.6	19

33	Reinforced chitosan membranes by microspheres for guided bone regeneration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 81, 195-201	4.1	23
32	Synthesis of near-infrared responsive gold nanorod-doped gelatin/hydroxyapatite composite microspheres with controlled photo-thermal property. <i>Ceramics International</i> , 2018 , 44, 900-904	5.1	23
31	Near-Ultraviolet to Near-Infrared Fluorescent Nitrogen-Doped Carbon Dots with Two-Photon and Piezochromic Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27920-27927	9.5	43
30	Effect of hydroxyapatite fillers on the mechanical properties and osteogenesis capacity of bio-based polyurethane composite scaffolds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 88, 150-159	4.1	14
29	Differential effect of hydroxyapatite nano-particle versus nano-rod decorated titanium micro-surface on osseointegration. <i>Acta Biomaterialia</i> , 2018 , 76, 344-358	10.8	60
28	Facile Preparation and Antibacterial Properties of a Silver-Loaded Polyamide Microsphere/Nanofiber Composite. <i>Nanoscience and Nanotechnology Letters</i> , 2018 , 10, 1013-1016	0.8	2
27	Preparation of Ag@CNT Nanohybrids and Investigations on Their Antibacterial and Cytotoxicological Effects. <i>Nanoscience and Nanotechnology Letters</i> , 2018 , 10, 1671-1676	0.8	2
26	From coffee ring to spherulites ring of poly(ethylene oxide) film from drying droplet. <i>Applied Surface Science</i> , 2018 , 434, 626-632	6.7	10
25	Rapid room-temperature preparation of MoO ₃ quantum dots by ultraviolet irradiation for photothermal treatment and glucose detection. <i>New Journal of Chemistry</i> , 2018 , 42, 18533-18540	3.6	23
24	Preparation and characterization of porous hydroxyapatite/β-cyclodextrin-based polyurethane composite scaffolds for bone tissue engineering. <i>Journal of Biomaterials Applications</i> , 2018 , 33, 402-409	2.9	7
23	The Influences of a Targeting Peptide on the Ovarian Cancer Cell Motility. <i>International Journal of Peptide Research and Therapeutics</i> , 2017 , 23, 25-36	2.1	1
22	A facile and one-pot synthesis of fluorescent graphitic carbon nitride quantum dots for bio-imaging applications. <i>New Journal of Chemistry</i> , 2017 , 41, 3930-3938	3.6	90
21	Aligned hydroxyapatite nano-crystal formation on a polyamide surface. <i>RSC Advances</i> , 2017 , 7, 43040-43046	3.7	5
20	Synthesis and drug delivery property of silica nanotubes prepared using gelatin nanofibers as novel sacrificed template. <i>Materials Letters</i> , 2017 , 209, 334-337	3.3	10
19	A synthetic peptide inhibits human ovarian cancer cell motility. <i>RSC Advances</i> , 2015 , 5, 83801-83808	3.7	2
18	Amperometric catechol biosensor based on laccase immobilized on nitrogen-doped ordered mesoporous carbon (N-OMC)/PVA matrix. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 035005	7.1	20
17	Interfacial and biological properties of the gradient coating on polyamide substrate for bone substitute. <i>Journal of the Royal Society Interface</i> , 2014 , 11,	4.1	9
16	Facile fabrication of gradient bioactive coating with hierarchically porous structures and superior cell response. <i>Materials Letters</i> , 2014 , 133, 105-108	3.3	6

15	Structural, tribological and antibacterial activities of TiCuNi hard coatings prepared by plasma surface alloying technique. <i>Surface and Coatings Technology</i> , 2013 , 235, 235-240	4.4	14
14	Surface modification of ethylene-vinyl acetate membrane grafted with poly(N-isopropylacrylamide) by UV-irradiation. <i>Polymer Science - Series B</i> , 2013 , 55, 566-572	0.8	2
13	High conversion self-curing sealer based on a novel injectable polyurethane system for root canal filling. <i>Materials Science and Engineering C</i> , 2013 , 33, 3138-45	8.3	9
12	Reinforced nanohydroxyapatite/polyamide66 scaffolds by chitosan coating for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 51-7	3.5	25
11	Bioactive composite gradient coatings of nano-hydroxyapatite/polyamide66 fabricated on polyamide66 substrates. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 1450-7	4.1	12
10	Influence of processing condition and HA content on the crystallization behavior of HA-filled EVA biocomposite. <i>Polymer Engineering and Science</i> , 2011 , 51, 341-346	2.3	2
9	Investigation of nonisothermal crystallization of hydroxyapatite/ethylene-vinyl acetate (HA/EVA) composite. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1412-1419	2.9	3
8	Antibacterial chitosan coating on nano-hydroxyapatite/polyamide66 porous bone scaffold for drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 931-44	3.5	50
7	Bioactive Ceramic/Polyamide 6 Scaffold for Bone Regeneration: In vitro and in vivo Evaluation. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 1367-1374		4
6	The release properties of silver ions from Ag-nHA/TiO ₂ /PA66 antimicrobial composite scaffolds. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 044105	3.5	41
5	Comparative study on inorganic composition and crystallographic properties of cortical and cancellous bone. <i>Biomedical and Environmental Sciences</i> , 2010 , 23, 473-80	1.1	39
4	Characterization and cytocompatibility of surface modified polyamide66. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 91, 897-904	3.5	16
3	Preparation and characterization of aliphatic polyurethane and hydroxyapatite composite scaffold. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2968-2975	2.9	21
2	Nano-hydroxyapatite/polyamide66 composite tissue-engineering scaffolds with anisotropy in morphology and mechanical behaviors. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 658-669	2.5	38
1	Toxicological effect of ZnO nanoparticles based on bacteria. <i>Langmuir</i> , 2008 , 24, 4140-4	4	471