

Li Zhang

List of Publications by Year in descending order

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38
papers

1,263
citations

331670

21
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Endowing Conductive Polyetheretherketone/Graphene Nanocomposite with Bioactive and Antibacterial Coating through Electrophoresis. <i>Macromolecular Materials and Engineering</i> , 2022, 307, 2100646.	3.6	5
2	Constructing an on-demand drug release system composed of thermosensitive PPP hydrogel and drug-laden alginate/graphene microspheres to treat tumorous defect. <i>Journal of Materials Science</i> , 2022, 57, 4754-4770.	3.7	3
3	Comparative Study on 3D Printed Ti6Al4V Scaffolds with Surface Modifications Using Hydrothermal Treatment and Microarc Oxidation to Enhance Osteogenic Activity. <i>ACS Omega</i> , 2021, 6, 1465-1476.	3.5	22
4	Titanium-interlayer mediated hydroxyapatite coating on polyetheretherketone: a prospective study in patients with single-level cervical degenerative disc disease. <i>Journal of Translational Medicine</i> , 2021, 19, 14.	4.4	22
5	Chitosan/Silver Nanoparticle/Graphene Oxide Nanocomposites with Multi-Drug Release, Antimicrobial, and Photothermal Conversion Functions. <i>Materials</i> , 2021, 14, 2351.	2.9	26
6	3D-Printing Biodegradable PU/PAAM/Gel Hydrogel Scaffold with High Flexibility and Self-Adaptability to Irregular Defects for Nonload-Bearing Bone Regeneration. <i>Bioconjugate Chemistry</i> , 2021, 32, 1915-1925.	3.6	13
7	Modification of polyetheretherketone implants: From enhancing bone integration to enabling multi-modal therapeutics. <i>Acta Biomaterialia</i> , 2021, 129, 18-32.	8.3	71
8	3D Printed Multifunctional Ti ₆ Al ₄ V-Based Hybrid Scaffold for the Management of Osteosarcoma. <i>Bioconjugate Chemistry</i> , 2021, 32, 2184-2194.	3.6	8
9	3D-Printed Multifunctional Polyetheretherketone Bone Scaffold for Multimodal Treatment of Osteosarcoma and Osteomyelitis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47327-47340.	8.0	48
10	Atmospheric pressure microplasma for antibacterial silver nanoparticle/chitosan nanocomposites with tailored properties. <i>Composites Science and Technology</i> , 2020, 186, 107911.	7.8	35
11	Conducting Polyetheretherketone Nanocomposites with an Electrophoretically Deposited Bioactive Coating for Bone Tissue Regeneration and Multimodal Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56924-56934.	8.0	46
12	Bioinspired Fabrication of Calcium-Doped TiP Coating with Nanofibrous Microstructure to Accelerate Osseointegration. <i>Bioconjugate Chemistry</i> , 2020, 31, 1641-1650.	3.6	10
13	Smart multi-layer PVA foam/ CMC mesh dressing with integrated multi-functions for wound management and infection monitoring. <i>Materials and Design</i> , 2020, 194, 108913.	7.0	41
14	A fast UV-curable PU-PAAM hydrogel with mechanical flexibility and self-adhesion for wound healing. <i>RSC Advances</i> , 2020, 10, 4907-4915.	3.6	33
15	Multifunctional composite hydrogel bolus with combined self-healing, antibacterial and adhesive functions for radiotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2627-2635.	5.8	18
16	Multifunctional load-bearing hybrid hydrogel with combined drug release and photothermal conversion functions. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	56
17	Exploring the mechanism behind improved osteointegration of phosphorylated titanium implants with hierarchically structured topography. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110520.	5.0	20
18	A "best fit" approach for synergistic surface parameters to guide the design of candidate implant surfaces. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2165-2177.	3.4	3

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19	Microplasma assisted synthesis of gold nanoparticle/graphene oxide nanocomposites and their potential application in SERS sensing. <i>Nanotechnology</i> , 2019, 30, 455603.	2.6	10
20	Nanoscale Hybrid Coating Enables Multifunctional Tissue Scaffold for Potential Multimodal Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27269-27278.	8.0	30
21	Multifunctional titanium phosphate nanoparticles for site-specific drug delivery and real-time therapeutic efficacy evaluation. <i>Analyst</i> , The, 2019, 144, 3103-3110.	3.5	7
22	Atmospheric Pressure Plasma-Synthesized Gold Nanoparticle/Carbon Nanotube Hybrids for Photothermal Conversion. <i>Langmuir</i> , 2019, 35, 4577-4588.	3.5	25
23	Super tough graphene oxide reinforced polyetheretherketone for potential hard tissue repair applications. <i>Composites Science and Technology</i> , 2019, 174, 194-201.	7.8	56
24	Chitosan-based asymmetric topological membranes with cell-like features for healthcare applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2634-2642.	5.8	14
25	The custom making of hierarchical micro/nanoscaled titanium phosphate coatings and their formation mechanism analysis. <i>RSC Advances</i> , 2019, 9, 41311-41318.	3.6	11
26	Quaternization on polyetheretherketone and its antimicrobial activity. <i>Materials Letters</i> , 2019, 235, 242-245.	2.6	18
27	Graphene Oxide-Templated Synthesis of Hydroxyapatite Nanowhiskers To Improve the Mechanical and Osteoblastic Performance of Poly(lactic acid) for Bone Tissue Regeneration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3862-3869.	6.7	48
28	Dual Physically Cross-Linked κ -Carrageenan-Based Double Network Hydrogels with Superior Self-Healing Performance for Biomedical Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37544-37554.	8.0	136
29	Amino-Functionalized Multilayer Core-Shell Mesoporous Organosilica Nanospheres for Cr(VI) Removal. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800630.	3.7	26
30	Promoting Osseointegration of Ti Implants through Micro/Nanoscaled Hierarchical Ti Phosphate/Ti Oxide Hybrid Coating. <i>ACS Nano</i> , 2018, 12, 7883-7891.	14.6	91
31	Oppositely Charged Polyurethane Microspheres with Tunable Zeta Potentials as an Injectable Dual-Loaded System for Bone Repair. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25808-25817.	8.0	29
32	Dual-Stimuli-Responsive, Polymer-Microsphere-Encapsulated CuS Nanoparticles for Magnetic Resonance Imaging Guided Synergistic Chemo-Photothermal Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1690-1701.	5.2	49
33	Surface bioactivation through the nanostructured layer on titanium modified by facile HPT treatment. <i>Scientific Reports</i> , 2017, 7, 4155.	3.3	29
34	A novel modified graphene oxide/chitosan composite used as an adsorbent for Cr(VI) in aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 586-596.	7.5	138
35	Development of a novel biomimetic micro/nano-hierarchical interface for enhancement of osseointegration. <i>RSC Advances</i> , 2016, 6, 49954-49965.	3.6	14
36	Fabrication of silver-incorporated TiO ₂ nanotubes and evaluation on its antibacterial activity. <i>Materials Letters</i> , 2014, 137, 464-467.	2.6	45

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37	Effects of Ethylene-Vinyl Acetate Copolymer on the Morphology and Mechanical Properties of Hydroxyapatite/Polyamide 66 Composites for Bone Tissue Engineering. Polymer-Plastics Technology and Engineering, 2014, 53, 290-297.	1.9	5
38	Fabrication of novel <scp>PNIPAM</scp> @ <scp>GO</scp> microspheres loaded with dual drugs featuring onâ€demand drug release capability. Journal of Applied Polymer Science, 0, , .	2.6	1