Zengjie Fan

List of Publications by Year
in descending order

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33 papers	1,954 citations	430874 18 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	3167 citing authors

#	Article	IF	Citations
1	4D printing of polymers: Techniques, materials, and prospects. Progress in Polymer Science, 2022, 126, 101506.	24.7	70
2	3D printing polycaprolactone micro-nano copper scaffolds with a high antibacterial performance for potential sewage treatment. High Performance Polymers, 2022, 34, 44-53.	1.8	1
3	Sprayable methacrylic anhydride-modified gelatin hydrogel combined with bionic neutrophils nanoparticles for scar-free wound healing of diabetes mellitus. International Journal of Biological Macromolecules, 2022, 202, 418-430.	7.5	26
4	Dissolvable and layered microneedles composed of hyaluronate/rbFGF/CPC effectively improve the treatment effect on recurrent aphthous ulcers. New Journal of Chemistry, 2022, 46, 7279-7289.	2.8	2
5	Antibacterial Dental Resin Composites: A Narrative Review. Open Journal of Stomatology, 2022, 12, 147-165.	0.4	3
6	3D Printed Piezoelectric Wound Dressing with Dual Piezoelectric Response Models for Scar-Prevention Wound Healing. ACS Applied Materials & Interfaces, 2022, 14, 30507-30522.	8.0	60
7	Biomechanically Compatible Hydrogel Bioprosthetic Valves. Chemistry of Materials, 2022, 34, 6129-6141.	6.7	15
8	3D Printing Hydrogel Scaffolds with Nanohydroxyapatite Gradient to Effectively Repair Osteochondral Defects in Rats. Advanced Functional Materials, 2021, 31, .	14.9	68
9	Au@polydopamine nanoparticles/tocilizumab composite as efficient scavengers of oxygen free radicals for improving the treatment of rheumatoid arthritis. Materials Science and Engineering C, 2021, 118, 111434.	7.3	12
10	Novel coreâ€“shell CHX/ACP nanoparticles effectively improve the mechanical, antibacterial and remineralized properties of the dental resin composite. Dental Materials, 2021, 37, 636-647.	3.5	36
11	Aramid nanofibers reinforced polyvinyl alcohol/tannic acid hydrogel with improved mechanical and antibacterial properties for potential application as wound dressing. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104452.	3.1	48
12	Antibacterial polyvinyl alcohol/bacterial cellulose/nano-silver hydrogels that effectively promote wound healing. Materials Science and Engineering C, 2021, 126, 112171.	7.3	79
13	Near-Infrared Light-Triggered Unfolding Microneedle Patch for Minimally Invasive Treatment of Myocardial Ischemia. ACS Applied Materials & Interfaces, 2021, 13, 40278-40289.	8.0	30
14	Facile and Large-Scale Synthesis of Graphene Quantum Dots Functionalized with Morpholine for Selective Targeting and Imaging of Lysosome. Nano, 2021, 16, .	1.0	1
15	An excellent antibacterial and high self-adhesive hydrogel can promote wound fully healing driven by its shrinkage under NIR. Materials Science and Engineering C, 2021, 129, 112395.	7.3	18
16	Gradient Mineralized and Porous Doubleâ€Network Hydrogel Effectively Induce the Differentiation of BMSCs into Osteochondral Tissue In Vitro for Potential Application in Cartilage Repair. Macromolecular Bioscience, 2021, 21, e2000323.	4.1	6
17	Converting Complex Sewage Containing Oil, Silt, and Bacteria into Clean Water by a 3D Printed Multiscale and Multifunctional Filter. ACS Applied Bio Materials, 2021, 4, 8509-8521.	4.6	4
18	A prevascularized nerve conduit based on a stem cell sheet effectively promotes the repair of transected spinal cord injury. Acta Biomaterialia, 2020, 101, 304-313.	8.3	30

#	Article	IF	Citations
19	A facile and large-scale synthesis of a PVA/chitosan/collagen hydrogel for wound healing. New Journal of Chemistry, 2020, 44, 20776-20784.	2.8	16
20	3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance. Materials Letters, 2020, 267, 127527.	2.6	18
21	Facile and large-scale synthesis of graphene quantum dots for selective targeting and imaging of cell nucleus and mitochondria. Materials Science and Engineering C, 2019, 103, 109824.	7.3	34
22	Construction of novel temperature-responsive hydrogel culture system based on the biomimetic method for stem cell sheet harvest. Journal of Bioactive and Compatible Polymers, 2019, 34, 229-245.	2.1	2
23	Facile and large-scale synthesis of curcumin/PVA hydrogel: effectively kill bacteria and accelerate cutaneous wound healing in the rat. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 325-343.	3.5	24
24	Novel chitosan hydrogels reinforced by silver nanoparticles with ultrahigh mechanical and high antibacterial properties for accelerating wound healing. International Journal of Biological Macromolecules, 2018, 119, 402-412.	7.5	142
25	Enhanced antibacterial properties of the bracket under natural light via decoration with ZnO/carbon quantum dots composite coating. Chemical Physics Letters, 2018, 706, 702-707.	2.6	21
26	Anti-Inflammation and Joint Lubrication Dual Effects of a Novel Hyaluronic Acid/Curcumin Nanomicelle Improve the Efficacy of Rheumatoid Arthritis Therapy. ACS Applied Materials & Interfaces, 2018, 10, 23595-23604.	8.0	92
27	Effect of different cell sheet ECM microenvironment on the formation of vascular network. Tissue and Cell, 2016, 48, 442-451.	2.2	11
28	A new composite scaffold of bioactive glass nanoparticles/graphene: Synchronous improvements of cytocompatibility and mechanical property. Colloids and Surfaces B: Biointerfaces, 2016, 145, 438-446.	5.0	28
29	One-pot synthesis of graphene/hydroxyapatite nanorod composite for tissue engineering. Carbon, 2014, 66, 407-416.	10.3	157
30	A Novel Wound Dressing Based on Ag/Graphene Polymer Hydrogel: Effectively Kill Bacteria and Accelerate Wound Healing. Advanced Functional Materials, 2014, 24, 3933-3943.	14.9	671
31	Mechanical properties and thermostability of polyimide/mesoporous silica nanocomposite via effectively using the pores. Journal of Applied Polymer Science, 2014, 131, .	2.6	12
32	One-pot hydrothermal synthesis of CuO with tunable morphologies on Ni foam as a hybrid electrode for sensing glucose. RSC Advances, 2014, 4, 23319.	3.6	24
33	One-pot sonochemical preparation of fluorographene and selective tuning of its fluorine coverage. Journal of Materials Chemistry, 2012, 22, 16950.	6.7	193