

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	A Novel Wound Dressing Based on Ag/Graphene Polymer Hydrogel: Effectively Kill Bacteria and Accelerate Wound Healing. <i>Advanced Functional Materials</i> , 2014, 24, 3933-3943.	14.9	671
2	One-pot sonochemical preparation of fluorographene and selective tuning of its fluorine coverage. <i>Journal of Materials Chemistry</i> , 2012, 22, 16950.	6.7	193
3	One-pot synthesis of graphene/hydroxyapatite nanorod composite for tissue engineering. <i>Carbon</i> , 2014, 66, 407-416.	10.3	157
4	Novel chitosan hydrogels reinforced by silver nanoparticles with ultrahigh mechanical and high antibacterial properties for accelerating wound healing. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 402-412.	7.5	142
5	Anti-Inflammation and Joint Lubrication Dual Effects of a Novel Hyaluronic Acid/Curcumin Nanomicelle Improve the Efficacy of Rheumatoid Arthritis Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23595-23604.	8.0	92
6	Antibacterial polyvinyl alcohol/bacterial cellulose/nano-silver hydrogels that effectively promote wound healing. <i>Materials Science and Engineering C</i> , 2021, 126, 112171.	7.3	79
7	4D printing of polymers: Techniques, materials, and prospects. <i>Progress in Polymer Science</i> , 2022, 126, 101506.	24.7	70
8	3D Printing Hydrogel Scaffolds with Nanohydroxyapatite Gradient to Effectively Repair Osteochondral Defects in Rats. <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	68
9	3D Printed Piezoelectric Wound Dressing with Dual Piezoelectric Response Models for Scar-Prevention Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30507-30522.	8.0	60
10	Aramid nanofibers reinforced polyvinyl alcohol/tannic acid hydrogel with improved mechanical and antibacterial properties for potential application as wound dressing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104452.	3.1	48
11	Novel core-shell CHX/ACP nanoparticles effectively improve the mechanical, antibacterial and remineralized properties of the dental resin composite. <i>Dental Materials</i> , 2021, 37, 636-647.	3.5	36
12	Facile and large-scale synthesis of graphene quantum dots for selective targeting and imaging of cell nucleus and mitochondria. <i>Materials Science and Engineering C</i> , 2019, 103, 109824.	7.3	34
13	A prevascularized nerve conduit based on a stem cell sheet effectively promotes the repair of transected spinal cord injury. <i>Acta Biomaterialia</i> , 2020, 101, 304-313.	8.3	30
14	Near-Infrared Light-Triggered Unfolding Microneedle Patch for Minimally Invasive Treatment of Myocardial Ischemia. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40278-40289.	8.0	30
15	A new composite scaffold of bioactive glass nanoparticles/graphene: Synchronous improvements of cytocompatibility and mechanical property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 438-446.	5.0	28
16	Sprayable methacrylic anhydride-modified gelatin hydrogel combined with bionic neutrophils nanoparticles for scar-free wound healing of diabetes mellitus. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 418-430.	7.5	26
17	One-pot hydrothermal synthesis of CuO with tunable morphologies on Ni foam as a hybrid electrode for sensing glucose. <i>RSC Advances</i> , 2014, 4, 23319.	3.6	24
18	Facile and large-scale synthesis of curcumin/PVA hydrogel: effectively kill bacteria and accelerate cutaneous wound healing in the rat. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 325-343.	3.5	24

#	ARTICLE	IF	CITATIONS
19	Enhanced antibacterial properties of the bracket under natural light via decoration with ZnO/carbon quantum dots composite coating. <i>Chemical Physics Letters</i> , 2018, 706, 702-707.	2.6	21
20	3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance. <i>Materials Letters</i> , 2020, 267, 127527.	2.6	18
21	An excellent antibacterial and high self-adhesive hydrogel can promote wound fully healing driven by its shrinkage under NIR. <i>Materials Science and Engineering C</i> , 2021, 129, 112395.	7.3	18
22	A facile and large-scale synthesis of a PVA/chitosan/collagen hydrogel for wound healing. <i>New Journal of Chemistry</i> , 2020, 44, 20776-20784.	2.8	16
23	Biomechanically Compatible Hydrogel Bioprosthetic Valves. <i>Chemistry of Materials</i> , 2022, 34, 6129-6141.	6.7	15
24	Mechanical properties and thermostability of polyimide/mesoporous silica nanocomposite via effectively using the pores. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	12
25	Au@polydopamine nanoparticles/tocilizumab composite as efficient scavengers of oxygen free radicals for improving the treatment of rheumatoid arthritis. <i>Materials Science and Engineering C</i> , 2021, 118, 111434.	7.3	12
26	Effect of different cell sheet ECM microenvironment on the formation of vascular network. <i>Tissue and Cell</i> , 2016, 48, 442-451.	2.2	11
27	Gradient Mineralized and Porous Double-â€œNetwork Hydrogel Effectively Induce the Differentiation of BMSCs into Osteochondral Tissue In Vitro for Potential Application in Cartilage Repair. <i>Macromolecular Bioscience</i> , 2021, 21, e2000323.	4.1	6
28	Converting Complex Sewage Containing Oil, Silt, and Bacteria into Clean Water by a 3D Printed Multiscale and Multifunctional Filter. <i>ACS Applied Bio Materials</i> , 2021, 4, 8509-8521.	4.6	4
29	Antibacterial Dental Resin Composites: A Narrative Review. <i>Open Journal of Stomatology</i> , 2022, 12, 147-165.	0.4	3
30	Construction of novel temperature-responsive hydrogel culture system based on the biomimetic method for stem cell sheet harvest. <i>Journal of Bioactive and Compatible Polymers</i> , 2019, 34, 229-245.	2.1	2
31	Dissolvable and layered microneedles composed of hyaluronate/rbFGF/CPC effectively improve the treatment effect on recurrent aphthous ulcers. <i>New Journal of Chemistry</i> , 2022, 46, 7279-7289.	2.8	2
32	Facile and Large-Scale Synthesis of Graphene Quantum Dots Functionalized with Morpholine for Selective Targeting and Imaging of Lysosome. <i>Nano</i> , 2021, 16, .	1.0	1
33	3D printing polycaprolactone micro-nano copper scaffolds with a high antibacterial performance for potential sewage treatment. <i>High Performance Polymers</i> , 2022, 34, 44-53.	1.8	1