

# Zengjie Fan

## List of Publications by Year in descending order

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33  
papers

1,954  
citations

489802

18  
h-index

445137

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

3565  
citing authors

#	ARTICLE	IF	CITATIONS
1	4D printing of polymers: Techniques, materials, and prospects. <i>Progress in Polymer Science</i> , 2022, 126, 101506.	11.8	70
2	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.	0.8	1
3	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.	3.6	26
4	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.	1.4	2
5	Antibacterial Dental Resin Composites: A Narrative Review. <i>Open Journal of Stomatology</i> , 2022, 12, 147-165.	0.1	3
6	3D Printed Piezoelectric Wound Dressing with Dual Piezoelectric Response Models for Scar-Prevention Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30507-30522.	4.0	60
7	Biomechanically Compatible Hydrogel Bioprosthetic Valves. <i>Chemistry of Materials</i> , 2022, 34, 6129-6141.	3.2	15
8	3D Printing Hydrogel Scaffolds with Nanohydroxyapatite Gradient to Effectively Repair Osteochondral Defects in Rats. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	68
9	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.	3.8	12
10	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.	1.6	36
11	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.	1.5	48
12	Antibacterial polyvinyl alcohol/bacterial cellulose/nano-silver hydrogels that effectively promote wound healing. <i>Materials Science and Engineering C</i> , 2021, 126, 112171.	3.8	79
13	Near-Infrared Light-Triggered Unfolding Microneedle Patch for Minimally Invasive Treatment of Myocardial Ischemia. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40278-40289.	4.0	30
14	Facile and Large-Scale Synthesis of Graphene Quantum Dots Functionalized with Morpholine for Selective Targeting and Imaging of Lysosome. <i>Nano</i> , 2021, 16, .	0.5	1
15	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.	3.8	18
16	Gradient Mineralized and Porous Double-Network 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.	2.1	6
17	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.	2.3	4
18	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.	4.1	30

#	ARTICLE	IF	CITATIONS
19	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.	1.4	16
20	3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance. <i>Materials Letters</i> , 2020, 267, 127527.	1.3	18
21	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.	3.8	34
22	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.	0.8	2
23	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.	1.9	24
24	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.	3.6	142
25	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.	1.2	21
26	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 &amp; Interfaces</i> , 2018, 10, 23595-23604.	4.0	92
27	Effect of different cell sheet ECM microenvironment on the formation of vascular network. <i>Tissue and Cell</i> , 2016, 48, 442-451.	1.0	11
28	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.	2.5	28
29	One-pot synthesis of graphene/hydroxyapatite nanorod composite for tissue engineering. <i>Carbon</i> , 2014, 66, 407-416.	5.4	157
30	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.	7.8	671
31	Mechanical properties and thermostability of polyimide/mesoporous silica nanocomposite via effectively using the pores. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	12
32	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.	1.7	24
33	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