

# Yabin Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

906  
citations

567281

15  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1490  
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly sensitive and ultra-stretchable zwitterionic liquid hydrogel-based sensor as anti-freezing ionic skin. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3970-3988.	10.3	55
2	Robust Scalable-Manufactured Smart Fabric Surfaces Based on Azobenzene-Containing Maleimide Copolymers for Rewritable Information Storage and Hydrogen Fluoride Visual Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42024-42034.	8.0	11
3	Long-Lasting and Rapid-Responsive Media for Rewritable Information Storage Based on Low-Cost N-Substituted Maleimides Oligomers. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900560.	3.6	0
4	Preparation and Insights of Smart Foams with Phototunable Foamability Based on Azobenzene-Containing Surfactants. <i>Langmuir</i> , 2020, 36, 15423-15429.	3.5	9
5	A conductive PEDOT/alginate porous scaffold as a platform to modulate the biological behaviors of brown adipose-derived stem cells. <i>Biomaterials Science</i> , 2020, 8, 3173-3185.	5.4	41
6	Enhanced breakdown strength and suppressed dielectric loss of polymer nanocomposites with BaTiO <sub>3</sub> fillers modified by fluoropolymer. <i>RSC Advances</i> , 2020, 10, 7065-7072.	3.6	20
7	Cytocompatible and non-fouling zwitterionic hyaluronic acid-based hydrogels using thiol-ene click chemistry for cell encapsulation. <i>Carbohydrate Polymers</i> , 2020, 236, 116021.	10.2	52
8	Free radical copolymerization of trifluoroethyl methacrylate with perfluoroalkyl ethyl acrylates for superhydrophobic coating application. <i>Journal of Coatings Technology Research</i> , 2019, 16, 711-719.	2.5	9
9	Smart Copolymer-Functionalized Flexible Surfaces with Photoswitchable Wettability: From Superhydrophobicity with Rose Petal Effect to Superhydrophilicity. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25436-25444.	8.0	55
10	Core-shell structured PVDF@BT nanoparticles for dielectric materials: A novel composite to prove the dependence of dielectric properties on ferroelectric shell. <i>Materials and Design</i> , 2019, 164, 107556.	7.0	70
11	Synthesis and performance of a Mono (dodecafluoroheptyl) acetate surfactant. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 431-439.	2.4	3
12	Synthesis of Well-Defined PVDF-Based Amphiphilic Block Copolymer via Iodine Transfer Polymerization for Antifouling Membrane Application. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8689-8697.	3.7	18
13	Development of Electrically Conductive Double-Network Hydrogels via One-Step Facile Strategy for Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016, 5, 474-488.	7.6	92
14	Physical Cross-Linking Starch-Based Zwitterionic Hydrogel Exhibiting Excellent Biocompatibility, Protein Resistance, and Biodegradability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15710-15723.	8.0	77
15	Hydroxyapatite Crystal Formation in the Presence of Polysaccharide. <i>Crystal Growth and Design</i> , 2016, 16, 1247-1255.	3.0	68
16	Zwitterionic-Modified Starch-Based Stealth Micelles for Prolonging Circulation Time and Reducing Macrophage Response. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4385-4398.	8.0	86
17	A thermoresponsive poly(N-vinylcaprolactam-co-sulfobetaine methacrylate) zwitterionic hydrogel exhibiting switchable anti-biofouling and cytocompatibility. <i>Polymer Chemistry</i> , 2015, 6, 3431-3442.	3.9	65
18	lotal-carrageenan/chitosan/gelatin scaffold for the osteogenic differentiation of adipose-derived MSCs in vitro. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1498-1510.	3.4	54

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19	Physically crosslinked poly(vinyl alcohol)â€“carrageenan composite hydrogels: pore structure stability and cell adhesive ability. RSC Advances, 2015, 5, 78180-78191.	3.6	67
20	Ionic starch-based hydrogels for the prevention of nonspecific protein adsorption. Carbohydrate Polymers, 2015, 117, 384-391.	10.2	54