Yabin Zhang

List of Publications by Year
in descending order

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	Development of Electrically Conductive Doubleâ€Network Hydrogels via Oneâ€Step Facile Strategy for Cardiac Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 474-488.	7.6	92
2	Zwitterionic-Modified Starch-Based Stealth Micelles for Prolonging Circulation Time and Reducing Macrophage Response. ACS Applied Materials & Interfaces, 2016, 8, 4385-4398.	8.0	86
3	Physical Cross-Linking Starch-Based Zwitterionic Hydrogel Exhibiting Excellent Biocompatibility, Protein Resistance, and Biodegradability. ACS Applied Materials & Interfaces, 2016, 8, 15710-15723.	8.0	77
4	Core-shell structured PVDF@BT nanoparticles for dielectric materials: A novel composite to prove the dependence of dielectric properties on ferroelectric shell. Materials and Design, 2019, 164, 107556.	7.0	70
5	Hydroxyapatite Crystal Formation in the Presence of Polysaccharide. Crystal Growth and Design, 2016, 16, 1247-1255.	3.0	68
6	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
7	A thermoresponsive poly(N-vinylcaprolactam-co-sulfobetaine methacrylate) zwitterionic hydrogel exhibiting switchable anti-biofouling and cytocompatibility. Polymer Chemistry, 2015, 6, 3431-3442.	3.9	65
8	Smart Copolymer-Functionalized Flexible Surfaces with Photoswitchable Wettability: From Superhydrophobicity with â€œRose Petalâ€•Effect to Superhydrophilicity. ACS Applied Materials & Interfaces, 2019, 11, 25436-25444.	8.0	55
9	A highly sensitive and ultra-stretchable zwitterionic liquid hydrogel-based sensor as anti-freezing ionic skin. Journal of Materials Chemistry A, 2022, 10, 3970-3988.	10.3	55
10	Iotaâ€carrageenan/chitosan/gelatin scaffold for the osteogenic differentiation of adiposeâ€derived MSCs in vitro. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1498-1510.	3.4	54
11	Ionic starch-based hydrogels for the prevention of nonspecific protein adsorption. Carbohydrate Polymers, 2015, 117, 384-391.	10.2	54
12	Cytocompatible and non-fouling zwitterionic hyaluronic acid-based hydrogels using thiol-ene â€œclickâ€• chemistry for cell encapsulation. Carbohydrate Polymers, 2020, 236, 116021.	10.2	52
13	A conductive PEDOT/alginate porous scaffold as a platform to modulate the biological behaviors of brown adipose-derived stem cells. Biomaterials Science, 2020, 8, 3173-3185.	5.4	41
14	Enhanced breakdown strength and suppressed dielectric loss of polymer nanocomposites with BaTiO₃ fillers modified by fluoropolymer. RSC Advances, 2020, 10, 7065-7072.	3.6	20
15	Synthesis of Well-Defined PVDF-Based Amphiphilic Block Copolymer via Iodine Transfer Polymerization for Antifouling Membrane Application. Industrial & Engineering Chemistry Research, 2018, 57, 8689-8697.	3.7	18
16	Robust Scalable-Manufactured Smart Fabric Surfaces Based on Azobenzene-Containing Maleimide Copolymers for Rewritable Information Storage and Hydrogen Fluoride Visual Sensor. ACS Applied Materials & Interfaces, 2021, 13, 42024-42034.	8.0	11
17	Free radical copolymerization of trifluoroethyl methacrylate with perfluoroalkyl ethyl acrylates for superhydrophobic coating application. Journal of Coatings Technology Research, 2019, 16, 711-719.	2.5	9
18	Preparation and Insights of Smart Foams with Phototunable Foamability Based on Azobenzene-Containing Surfactants. Langmuir, 2020, 36, 15423-15429.	3.5	9

#	Article	IF	Citations
19	Synthesis and performance of a Mono (dodecafluoroheptyl) acetate surfactant. Journal of Dispersion Science and Technology, 2019, 40, 431-439.	2.4	3
20	Longâ€Lasting and Rapidâ€Responsive Media for Rewritable Information Storage Based on Lowâ€Cost Nâ€Substituted Maleimides Oligomers. Macromolecular Materials and Engineering, 2020, 305, 1900560.	3.6	0