

# Zhenzhen Liu

## List of Publications by Year in descending order

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17  
papers

806  
citations

623188

14  
h-index

794141

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-Integratable and Biocompatible Photogelation by the Imine Crosslinking Reaction. <i>Advanced Materials</i> , 2016, 28, 2724-2730.	11.1	195
2	Highly compressible and superior low temperature tolerant supercapacitors based on dual chemically crosslinked PVA hydrogel electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6219-6228.	5.2	101
3	Spatiotemporally Controllable and Cytocompatible Approach Builds 3D Cell Culture Matrix by Photo-Uncaged Thiol Michael Addition Reaction. <i>Advanced Materials</i> , 2014, 26, 3912-3917.	11.1	85
4	Highly compressible lignin hydrogel electrolytes via double-crosslinked strategy for superior foldable supercapacitors. <i>Journal of Power Sources</i> , 2020, 449, 227532.	4.0	62
5	Synthesis of lignin-based polyols via thiol-ene chemistry for high-performance polyurethane anticorrosive coating. <i>Composites Part B: Engineering</i> , 2020, 200, 108295.	5.9	47
6	High-performance epoxy vitrimer with superior self-healing, shape-memory, flame retardancy, and antibacterial properties based on multifunctional curing agent. <i>Composites Part B: Engineering</i> , 2022, 242, 110109.	5.9	46
7	Facile fabrication of tough photocrosslinked polyvinyl alcohol hydrogels with cellulose nanofibrils reinforcement. <i>Polymer</i> , 2019, 173, 103-109.	1.8	42
8	Sequential Control over Thiol Click Chemistry by a Reversibly Photoactivated Thiol Mechanism of Spirothiopyran. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 174-178.	7.2	39
9	Water-Induced Self-Assembly and <i>In Situ</i> Mineralization within Plant Phenolic Glycol-Gel toward Ultrastrong and Multifunctional Thermal Insulating Aerogels. <i>ACS Nano</i> , 2022, 16, 9062-9076.	7.3	38
10	A facile strategy to construct vegetable oil-based, fire-retardant, transparent and mussel adhesive intumescent coating for wood substrates. <i>Industrial Crops and Products</i> , 2020, 154, 112628.	2.5	32
11	Anti-bacterial silk-based hydrogels for multifunctional electrical skin with mechanical-thermal dual sensitive integration. <i>Chemical Engineering Journal</i> , 2021, 426, 130722.	6.6	23
12	Highly compressible hydrogel sensors with synergistic long-lasting moisture, extreme temperature tolerance and strain-sensitivity properties. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3319-3327.	3.2	22
13	Fully Biobased Soy Protein Adhesives with Integrated High-Strength, Waterproof, Mildew-Resistant, and Flame-Retardant Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6675-6686.	3.2	20
14	Extraordinary solution-processability of lignin in phenol-maleic anhydride and dielectric films with controllable properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23162-23172.	5.2	16
15	Liposomes formed from photo-cleavable phospholipids: <i>in situ</i> formation and photo-induced enhancement in permeability. <i>RSC Advances</i> , 2018, 8, 14669-14675.	1.7	14
16	Water-soluble clickable nucleic acid (CNA) polymer synthesis by functionalizing the pendant hydroxyl. <i>Chemical Communications</i> , 2017, 53, 10156-10159.	2.2	10
17	Effects of Photodegradable <i>o</i> -Nitrobenzyl Nanogels on the Photopolymerization Process. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800206.	1.7	2