

Mi Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,147
citations

257101

24
h-index

243296

44
g-index

71
all docs

71
docs citations

71
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative investigation of gelatinized and regenerated starch composites reinforced by microfibrillated cellulose. <i>Food Chemistry</i> , 2022, 373, 131470.	4.2	7
2	Compressible and sensitive aerogels derived from graphene/waste paper for wearable pressure sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4388-4399.	1.1	4
3	Preparation and characterization of starch-based nanocomposites reinforced by graphene oxide self-assembled on the surface of silane coupling agent modified cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2022, 198, 187-193.	3.6	9
4	Transition sandwich Janus membrane of cellulose acetate and polyurethane nanofibers for oil/water separation. <i>Cellulose</i> , 2022, 29, 1841-1853.	2.4	15
5	High-Valence Transition Metal Modified Fe/Ni Oxides Anchored on Carbon Fiber Cloth for Efficient Oxygen Evolution Catalysis. <i>Advanced Fiber Materials</i> , 2022, 4, 774-785.	7.9	24
6	Conjugated Copper Phthalocyanine Nanoparticles as Highly Sensitive Sensor for Colorimetric Detection of Biomarkers. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	21
7	Assembling and Regulating of Transition Metal-Based Heterophase Vanadates as Efficient Oxygen Evolution Catalysts. <i>Small</i> , 2022, 18, e2105763.	5.2	28
8	Graphene Oxide Nanosheets and Ni Nanoparticles Coated on Glass Fabrics Modified with Bovine Serum Albumin for Electromagnetic Shielding. <i>ACS Applied Nano Materials</i> , 2022, 5, 8491-8501.	2.4	4
9	Fe/Ni LDH/Loofah Sponge-Derived Magnetic Fe/Ni Alloy Nanosheet Array/Porous Carbon Hybrids with Efficient Electromagnetic Wave Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10078-10090.	1.8	5
10	Improvement of filtration performance of polyvinyl chloride/cellulose acetate blend membrane via acid hydrolysis. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50312.	1.3	9
11	Facile hydrothermal synthesis of rod-like Nb ₂ O ₅ /Nb ₂ CT _x composites for visible-light driven photocatalytic degradation of organic pollutants. <i>Environmental Research</i> , 2021, 193, 110587.	3.7	35
12	Fabrication of a Bio-Based Superhydrophobic and Flame-Retardant Cotton Fabric for Oil/Water Separation. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000624.	1.7	17
13	Light-up RNA aptamer signaling-CRISPR-Cas13a-based mix-and-read assays for profiling viable pathogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112906.	5.3	66
14	Metal-induced G-quadruplex polymorphism for ratiometric and label-free detection of lead pollution in tea. <i>Food Chemistry</i> , 2021, 343, 128425.	4.2	33
15	Designing MOF Nanoarchitectures for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2006042.	11.1	267
16	Comparative Case Study on Adhesion of Three Common Sizing Agents to Cotton and Polyester Yarns. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 157-165.	0.4	1
17	Homology and Immune Checkpoint Dual-Targeted Sonocatalytic Nanoagents for Enhancing Sonodynamic Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32810-32822.	4.0	30
18	Effects of Waterborne Elastic Polyester with Different Compositions on the Properties and Compatibility of Maize Starch. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 465-471.	0.4	0

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19	Synthesis and Electronic Modulation of Nanostructured Layered Double Hydroxides for Efficient Electrochemical Oxygen Evolution. <i>ChemSusChem</i> , 2021, 14, 5112-5134.	3.6	16
20	Recyclable, Self-Healing, and Flame-Retardant Solid-Solid Phase Change Materials Based on Thermally Reversible Cross-Links for Sustainable Thermal Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42991-43001.	4.0	44
21	Waste paper-based carbon aerogel supported ZIF-67 derived hollow NiCo phosphate nanocages for electrocatalytic oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021, 393, 139076.	2.6	14
22	A robust and antibacterial superhydrophobic cotton fabric with sunlight-driven self-cleaning performance for oil/water separation. <i>Cellulose</i> , 2021, 28, 1715-1729.	2.4	60
23	Flexible Waterborne Polyurethane/Cellulose Nanocrystal Composite Aerogels by Integrating Graphene and Carbon Nanotubes for a Highly Sensitive Pressure Sensor. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14029-14039.	3.2	60
24	Fabrication and characterization of electrically conductive copper coated poly(<i>p</i> -phenylene-2,6-benzobisoxazole) yarn. <i>Materials Technology</i> , 2020, 35, 767-776.	1.5	3
25	Effect of sodium citrate/polyethylene glycol on plasticization and retrogradation of maize starch. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1471-1477.	3.6	24
26	Effect of hyperbranched poly(citric polyethylene glycol) with different polyethylene glycol chain length on starch sizing and compatibility with blended yarns. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48928.	1.3	5
27	Effect of hyperbranched poly(trimellitic glyceride) paired with different metal ions on the physicochemical properties of starch. <i>Food Chemistry</i> , 2020, 311, 125899.	4.2	2
28	Effect of hyperbranched poly(citric polyethylene glycol) with various polyethylene glycol chain lengths on starch plasticization and retrogradation. <i>Polymer International</i> , 2020, 69, 274-279.	1.6	4
29	Core-shell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3168-3179.	5.2	88
30	Preparation of cellulose nanocrystals and their application in reinforcing viscose filaments. <i>Cellulose</i> , 2020, 27, 10553-10565.	2.4	9
31	Ratiometric-enhanced G-Quadruplex Probes for Amplified and Mix-to-Read Detection of Mercury Pollution in Aquatic Products. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12124-12131.	2.4	24
32	Carbon nanotubes/acetylene black/Ecoflex with corrugated microcracks for enhanced sensitivity for stretchable strain sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14145-14156.	1.1	15
33	Transition Metal and Metal-N Codoped MOF-Derived Fenton-Like Catalysts: A Comparative Study on Single Atoms and Nanoparticles. <i>Small</i> , 2020, 16, e2005060.	5.2	72
34	Synergistic effects of sodium adipate/triethylene glycol on the plasticization and retrogradation of corn starch. <i>Carbohydrate Research</i> , 2020, 496, 108112.	1.1	4
35	Dual Triple Helix-Aptamer Probes for Mix-and-Read Detecting Antibiotics in Fish and Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9524-9529.	2.4	19
36	Metal-Organic Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , 2020, 32, e2003065.	5.1	183

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37	Solution-processable core/shell structured nanocellulose/poly(o-Methoxyaniline) nanocomposites for electrochromic applications. <i>Cellulose</i> , 2020, 27, 9467-9478.	2.4	4
38	Reduced graphene oxide-coated carbonized cotton fabric wearable strain sensors with ultralow detection limit. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17233-17248.	1.1	14
39	Effect of Microfibrillated Cellulose Loading on Physical Properties of Starch/Polyvinyl Alcohol Composite Films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 825-831.	0.4	11
40	Preparation of Microfibrillated Cellulose from Wood Pulp through Carbamate Modification and Colloid Milling. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1977.	1.3	5
41	Waste Cotton Fabric/Zinc Borate Composite Aerogel with Excellent Flame Retardancy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10335-10344.	3.2	25
42	Poly(ethylene glycol)-grafted nanofibrillated cellulose/graphene hybrid aerogels supported phase change composites with superior energy storage capacity and solar-thermal conversion efficiency. <i>Cellulose</i> , 2020, 27, 4679-4690.	2.4	40
43	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13698-13708.	4.0	129
44	Engineering Multivalence Aptamer Probes for Amplified and Label-Free Detection of Antibiotics in Aquatic Products. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2554-2561.	2.4	21
45	Robust Starch/Regenerated Cellulose All-Cellulose Bilayer Films with Excellent Mechanical Properties. <i>Starch/Staerke</i> , 2020, 72, 1900153.	1.1	1
46	Facile synthesis of nickel/reduced graphene oxide-coated glass fabric for highly efficient electromagnetic interference shielding. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8910-8922.	1.1	18
47	All-cellulose films with excellent strength and toughness via a facile approach of dissolution-regeneration. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46925.	1.3	21
48	Comparison of Mechanical Reinforcement Effects of Cellulose Nanofibers and Montmorillonite in Starch Composite. <i>Starch/Staerke</i> , 2019, 71, 1800114.	1.1	11
49	Graphene-based advanced nanoplatfoms and biocomposites from environmentally friendly and biomimetic approaches. <i>Green Chemistry</i> , 2019, 21, 4887-4918.	4.6	37
50	Characterization and Properties of Long-Chain Fatty Acid Starch Esters Prepared with Regenerated Starch by Dry Method. <i>Starch/Staerke</i> , 2019, 71, 1900143.	1.1	1
51	Augmenting Intrinsic Fenton-Like Activities of MOF-Derived Catalysts via N-Molecule-Assisted Self-catalyzed Carbonization. <i>Nano-Micro Letters</i> , 2019, 11, 87.	14.4	59
52	Acidity-triggered zwitterionic prodrug nano-carriers with AIE properties and amplification of oxidative stress for mitochondria-targeted cancer theranostics. <i>Polymer Chemistry</i> , 2019, 10, 983-990.	1.9	19
53	Property enhancement of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 112 Td (succinate)/poly(ethyleneglycol) via high-speed extrusion and in situ fibrillation. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47549.	1.3	2
54	Fabrication and characterization of starch-based nanocomposites reinforced with montmorillonite and cellulose nanofibers. <i>Carbohydrate Polymers</i> , 2019, 210, 429-436.	5.1	57

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55	Super-tough poly (l-lactide) materials: Reactive blending with maleic anhydride grafted starch and poly (ethylene glycol) diacrylate. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 1069-1075.	3.6	6
56	Bioinspired approach to enhance mechanical properties of starch based nacre-mimetic nanocomposite. <i>Carbohydrate Polymers</i> , 2019, 221, 113-119.	5.1	17
57	Microfibrillated cellulose modified with urea and its reinforcement for starch-based bionanocomposites. <i>Cellulose</i> , 2019, 26, 5981-5993.	2.4	14
58	High-performance Starch Films Reinforced With Microcrystalline Cellulose Made From Eucalyptus Pulp via Ball Milling and Mercerization. <i>Starch/Staerke</i> , 2019, 71, 1800218.	1.1	11
59	Synergetic enhancement of mechanical and fire-resistance performance of waterborne polyurethane by introducing two kinds of phosphorus-nitrogen flame retardant. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 197-205.	5.0	61
60	Comparison of mechanical reinforcement effects of cellulose nanocrystal, cellulose nanofiber, and microfibrillated cellulose in starch composites. <i>Polymer Composites</i> , 2019, 40, E365.	2.3	44
61	High-efficient Preparation of Carboxymethyl Starch via Ball Milling With Limited Solvent Content. <i>Starch/Staerke</i> , 2018, 70, 1700250.	1.1	12
62	Effect of hyperbranched poly(trimellitic glyceride) with different molecular weight on starch plasticization and compatibility with polyester. <i>Carbohydrate Polymers</i> , 2018, 195, 107-113.	5.1	27
63	High-performance starch/clay bionanocomposite for textile warp sizing. <i>Polymer Composites</i> , 2018, 39, E441.	2.3	10
64	Fabrication and Characterization of Flame-Retardant Nanoencapsulated <i>n</i> -Octadecane with Melamine-Formaldehyde Shell for Thermal Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15541-15549.	3.2	62
65	Hydrophobic cellulose films with excellent strength and toughness via ball milling activated acylation of microfibrillated cellulose. <i>Carbohydrate Polymers</i> , 2016, 154, 129-138.	5.1	76
66	Robust, highly elastic and bioactive heparin-mimetic hydrogels. <i>Polymer Chemistry</i> , 2015, 6, 7893-7901.	1.9	24
67	Simultaneous improvements of thermal stability and mechanical properties of poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Science (English Edition), 2014, 32, 1724-1736.	2.0	16
68	Effect of molecular weight on the properties of poly(butylene succinate). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 953-960.	2.0	27
69	Interfacial strength and mechanical properties of biocomposites based on ramie fibers and poly(butylene succinate). <i>RSC Advances</i> , 2013, 3, 26418.	1.7	44
70	Research on calculation method of the scope of groundwater environmental impact assessment for mountain tunnels. , 2011, , .		0