

Penghui Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Large-Scale Manufacture of Recyclable Bioplastics from Renewable Cellulosic Biomass Derived from Softwood Kraft Pulp. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1334-1343.	4.4	8
2	Nanocellulose-templated carbon nanotube enhanced conductive organohydrogel for highly-sensitive strain and temperature sensors. <i>Cellulose</i> , 2022, 29, 3829-3844.	4.9	18
3	Porous and conductive cellulose nanofiber/carbon nanotube foam as a humidity sensor with high sensitivity. <i>Carbohydrate Polymers</i> , 2022, 292, 119684.	10.2	22
4	Electrostatic self-assembly enabled flexible paper-based humidity sensor with high sensitivity and superior durability. <i>Chemical Engineering Journal</i> , 2021, 404, 127105.	12.7	105
5	Multifunctional Organohydrogel-Based Ionic Skin for Capacitance and Temperature Sensing toward Intelligent Skin-like Devices. <i>Chemistry of Materials</i> , 2021, 33, 8623-8634.	6.7	49
6	MXene-Based Conductive Organohydrogels with Long-Term Environmental Stability and Multifunctionality. <i>Advanced Functional Materials</i> , 2020, 30, 2005135.	14.9	221
7	Lignocellulose Enabled Highly Transparent Nanopaper with Tunable Ultraviolet-Blocking Performance and Superior Durability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17033-17041.	6.7	20
8	Cellulose Nanofiber/Carbon Nanotube Dual Network-Enabled Humidity Sensor with High Sensitivity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33229-33238.	8.0	104
9	Flexible and Highly Sensitive Humidity Sensor Based on Cellulose Nanofibers and Carbon Nanotube Composite Film. <i>Langmuir</i> , 2019, 35, 4834-4842.	3.5	183
10	A study on the transmission haze and mechanical properties of highly transparent paper with different fiber species. <i>Cellulose</i> , 2018, 25, 2051-2061.	4.9	23
11	Starch/polyvinyl alcohol (PVA)-coated painting paper with exceptional organic solvent barrier properties for art preservation purposes. <i>Journal of Materials Science</i> , 2018, 53, 5450-5457.	3.7	21
12	Programmable Shape Recovery Process of Water-Responsive Shape-Memory Poly(vinyl alcohol) by Wettability Contrast Strategy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5495-5502.	8.0	50