

Yingxia Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flexible MXene-Decorated Fabric with Interwoven Conductive Networks for Integrated Joule Heating, Electromagnetic Interference Shielding, and Strain Sensing Performances. ACS Applied Materials & Interfaces, 2020, 12, 14459-14467.	8.0	228
2	Nature Inspired MXene-Decorated 3D Honeycomb-Fabric Architectures Toward Efficient Water Desalination and Salt Harvesting. Nano-Micro Letters, 2022, 14, 10.	27.0	104
3	Cooking-Inspired Versatile Design of an Ultrastrong and Tough Polysaccharide Hydrogel through Programmed Supramolecular Interactions. Advanced Materials, 2019, 31, e1902381.	21.0	79
4	A lightweight MXene-Coated nonwoven fabric with excellent flame Retardancy, EMI Shielding, and Electrothermal/Photothermal conversion for wearable heater. Chemical Engineering Journal, 2022, 430, 132605.	12.7	71
5	Preparation and property investigation of crosslinked alginate/silicon dioxide nanocomposite films. Journal of Applied Polymer Science, 2016, 133, .	2.6	50
6	Synergistic flame retardant weft-knitted alginate/viscose fabrics with MXene coating for multifunctional wearable heaters. Composites Part B: Engineering, 2022, 232, 109618.	12.0	50
7	Transient microstructure in long alkane segment polyamide: Deformation mechanism and its temperature dependence. Polymer, 2016, 97, 217-225.	3.8	47
8	Progress in the mechanical enhancement of hydrogels: Fabrication strategies and underlying mechanisms. Journal of Polymer Science, 2022, 60, 2525-2542.	3.8	45
9	Surface and interface study of ZnO nanoparticles modified by octadecanol phosphate. Surface and Interface Analysis, 2010, 42, 123-128.	1.8	43
10	High elasticity and corresponding microstructure origin of novel long chain poly(amide-block-ether) filament fibers. European Polymer Journal, 2017, 90, 171-182.	5.4	31
11	Transamidation determination and mechanism of long chain-based aliphatic polyamide alloys with excellent interface miscibility. Polymer, 2015, 59, 16-25.	3.8	28
12	Design of mechanically strong and tough alginate hydrogels based on a soft-brittle transition. International Journal of Biological Macromolecules, 2019, 139, 850-857.	7.5	22
13	A green MXene-based organohydrogel with tunable mechanics and freezing tolerance for wearable strain sensors. Chinese Chemical Letters, 2022, 33, 2205-2211.	9.0	21
14	The effect of microstructural evolution during deformation on the post-yielding behavior of self-associated polyamide blends. Polymer, 2017, 117, 231-242.	3.8	20
15	Self-Associated Polyamide Alloys with Tailored Polymorphism Transition and Lamellar Thickening for Advanced Mechanical Application. ACS Applied Materials & Interfaces, 2017, 9, 19238-19247.	8.0	18
16	Selected Phase Separation Renders High Strength and Toughness to Polyacrylamide/Alginate Hydrogels with Large-Scale Cross-Linking Zones. ACS Applied Materials & Interfaces, 2021, 13, 25383-25391.	8.0	17
17	2D-Planar decorated 3D-network enables strong synergistic mechanics and programmable shape transformations for alginate-based hydrogels. Chemical Engineering Journal, 2021, 405, 126619.	12.7	15
18	High-strength carrageenan fibers with compactly packed chain structure induced by combination of Ba ²⁺ and ethanol. Carbohydrate Polymers, 2020, 236, 116057.	10.2	15

#	ARTICLE	IF	CITATIONS
19	A self-reinforcing strategy enables the intimate interface for anisotropic alginate composite hydrogels. <i>Carbohydrate Polymers</i> , 2021, 251, 117054.	10.2	13
20	NaOH induced the complete dissolution of $\hat{1}$ -carrageenan and the corresponding mechanism. <i>Polymer</i> , 2018, 151, 334-339.	3.8	11
21	A Facile Strategy to Fabricate Antistatic Polyamide 1012/Multi-Walled Carbon Nanotube Pipes for Fuel Delivery Applications. <i>Polymers</i> , 2020, 12, 1797.	4.5	3
22	Comparison of Two Different Preparation Methods of Wet-Spun Carrageenan Fibers Directly from <i>Chondrus</i> Extractions. <i>ACS Omega</i> , 2020, 5, 6661-6665.	3.5	3