

Zhen Chen

List of Publications by Year in descending order

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12
papers

1,002
citations

840776

11
h-index

1199594

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all docs

12
docs citations

12
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultratough, Self-Healing, and Tissue-Adhesive Hydrogel for Wound Dressing. ACS Applied Materials & Interfaces, 2018, 10, 33523-33531.	8.0	381
2	Multifunctional conductive hydrogels and their applications as smart wearable devices. Journal of Materials Chemistry B, 2021, 9, 2561-2583.	5.8	166
3	Multiple-Stimuli-Responsive and Cellulose Conductive Ionic Hydrogel for Smart Wearable Devices and Thermal Actuators. ACS Applied Materials & Interfaces, 2021, 13, 1353-1366.	8.0	108
4	Ionic Conductive Organohydrogels with Dynamic Pattern Behavior and Multi-Environmental Stability. Advanced Functional Materials, 2021, 31, 2101464.	14.9	105
5	Paper-Structure Inspired Multiresponsive Hydrogels with Solvent-Induced Reversible Information Recording, Self-Encryption, and Multidecryption. Advanced Functional Materials, 2022, 32, .	14.9	48
6	Mechanisms and applications of bioinspired underwater/wet adhesives. Journal of Polymer Science, 2021, 59, 2911-2945.	3.8	42
7	Multiresponse Shape-Memory Nanocomposite with a Reversible Cycle for Powerful Artificial Muscles. Chemistry of Materials, 2021, 33, 987-997.	6.7	42
8	A gradient-distributed liquid-metal hydrogel capable of tunable actuation. Chemical Engineering Journal, 2021, 421, 127762.	12.7	37
9	Dual-gradient PNIPAM-based hydrogel capable of rapid response and tunable actuation. Chemical Engineering Journal, 2021, 424, 130562.	12.7	35
10	Reversible Writing/Re-Writing Polymeric Paper in Multiple Environments. Advanced Functional Materials, 2021, 31, 2104784.	14.9	17
11	Dual-network sodium alginate/polyacrylamide/laponite nanocomposite hydrogels with high toughness and cyclic mechano-responsiveness. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127867.	4.7	13
12	High-energy-density shape memory materials with ultrahigh strain for reconfigurable artificial muscles. Journal of Materials Chemistry B, 2021, 9, 7371-7380.	5.8	8