

Zhen Chen

List of Publications by Year in descending order

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12
papers

1,002
citations

840776

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1199594

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docs citations

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times ranked

978
citing authors

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