

Xiaohan Wang

List of Publications by Year in descending order

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papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Healable, Recyclable, and Mechanically Tough Polyurethane Elastomers with Exceptional Damage Tolerance. <i>Advanced Materials</i> , 2020, 32, e2005759.	21.0	262
2	Mechanically Robust Atomic Oxygen-Resistant Coatings Capable of Autonomously Healing Damage in Low Earth Orbit Space Environment. <i>Advanced Materials</i> , 2018, 30, e1803854.	21.0	109
3	Healable and Mechanically Super-Strong Polymeric Composites Derived from Hydrogen-Bonded Polymeric Complexes. <i>Advanced Materials</i> , 2019, 31, e1904882.	21.0	109
4	Thermally and Near-Infrared Light-Induced Shape Memory Polymers Capable of Healing Mechanical Damage and Fatigued Shape Memory Function. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9470-9477.	8.0	81
5	Skin-Inspired Healable Conductive Elastomers with Exceptional Strain-Adaptive Stiffening and Damage Tolerance. <i>Macromolecules</i> , 2021, 54, 10767-10775.	4.8	42
6	Mechanically Robust Skin-like Poly(urethane-urea) Elastomers Cross-Linked with Hydrogen-Bond Arrays and Their Application as High-Performance Ultrastretchable Conductors. <i>Macromolecules</i> , 2022, 55, 5816-5825.	4.8	35
7	Room-temperature healable, recyclable and mechanically super-strong poly(urea-urethane)s cross-linked with nitrogen-coordinated boroxines. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11025-11032.	10.3	33
8	Plant oil and amino acid-derived elastomers with rapid room temperature self-healing ability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21927-21933.	10.3	31
9	Polymeric Complex Nanoparticles Enable the Fabrication of Mechanically Superstrong and Recyclable Poly(aryl ether sulfone)-based Polymer Composites. <i>CCS Chemistry</i> , 2020, 2, 524-532.	7.8	19
10	Rediscovering Surlyn: A Supramolecular Thermoset Capable of Healing and Recycling. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000097.	3.9	17
11	Polymeric Complex Nanoparticles Enable the Fabrication of Mechanically Superstrong and Recyclable Poly(aryl ether sulfone)-based Polymer Composites. <i>CCS Chemistry</i> , 2020, 2, 524-532.	7.8	11