

Hui Xie

List of Publications by Year in descending order

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22
papers

1,026
citations

430874

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713466

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Poly(tetramethylene ether)glycol and Poly(ϵ -caprolactone) Based Dynamic Network via Quadruple Hydrogen Bonding with Triple-Shape Effect and Self-Healing Capacity. ACS Applied Materials & Interfaces, 2015, 7, 2585-2596.	8.0	141
2	Design of Poly(ϵ -lactide)-Poly(ethylene glycol) Copolymer with Light-Induced Shape-Memory Effect Triggered by Pendant Anthracene Groups. ACS Applied Materials & Interfaces, 2016, 8, 9431-9439.	8.0	109
3	Photo-cross-linking: A powerful and versatile strategy to develop shape-memory polymers. Progress in Polymer Science, 2019, 95, 32-64.	24.7	91
4	4D printing of shape memory aliphatic copolyester via UV-assisted FDM strategy for medical protective devices. Chemical Engineering Journal, 2020, 396, 125242.	12.7	79
5	Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics. Journal of Materials Chemistry A, 2021, 9, 1048-1061.	10.3	78
6	Biomimetic micro/nano structures for biomedical applications. Nano Today, 2020, 35, 100980.	11.9	69
7	Polyurethane networks based on disulfide bonds: from tunable multi-shape memory effects to simultaneous self-healing. Science China Materials, 2019, 62, 437-447.	6.3	60
8	Novel triple-shape PCU/PPDO interpenetrating polymer networks constructed by self-complementary quadruple hydrogen bonding and covalent bonding. Polymer Chemistry, 2014, 5, 2231.	3.9	51
9	A Facile Strategy To Construct PDLLA-PTMEG Network with Triple-Shape Effect via Photo-Cross-Linking of Anthracene Groups. Macromolecules, 2016, 49, 3845-3855.	4.8	51
10	Multifunctional Thermoplastic Polyurea Based on the Synergy of Dynamic Disulfide Bonds and Hydrogen Bond Cross-Links. ACS Applied Materials & Interfaces, 2021, 13, 1463-1473.	8.0	48
11	Reinforcement of shape-memory poly(ethylene-co-vinyl acetate) by carbon fibre to access robust recovery capability under resistant condition. Composites Science and Technology, 2018, 157, 202-208.	7.8	44
12	A facile strategy to fabricate highly-stretchable self-healing poly(vinyl alcohol) hybrid hydrogels based on metal-ligand interactions and hydrogen bonding. Polymer Chemistry, 2016, 7, 7269-7277.	3.9	37
13	Creating Poly(tetramethylene oxide) Glycol-Based Networks with Tunable Two-Way Shape Memory Effects via Temperature-Switched Netpoints. Macromolecules, 2017, 50, 5155-5164.	4.8	34
14	Integrating shape-memory technology and photo-imaging on a polymer platform for a high-security information storage medium. Journal of Materials Chemistry C, 2018, 6, 10422-10427.	5.5	24
15	A near-infrared light-triggered shape-memory polymer for long-time fluorescence imaging in deep tissues. Journal of Materials Chemistry B, 2020, 8, 8061-8070.	5.8	24
16	Poly(ethylene-co-vinyl acetate)/graphene shape-memory actuator with a cyclic thermal/light dual-sensitive capacity. Composites Science and Technology, 2019, 173, 41-46.	7.8	23
17	Facile fabrication of ternary nanocomposites with selective dispersion of multi-walled carbon nanotubes to access multi-stimuli-responsive shape-memory effects. Materials Chemistry Frontiers, 2017, 1, 343-353.	5.9	21
18	New Strategy to Access Dual-Stimuli-Responsive Triple-Shape Memory Effect in a Non-Overlapping Pattern. Macromolecular Rapid Communications, 2017, 38, 1600664.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Anisotropic conductive shape-memory aerogels as adaptive reprogrammable wearable electronics for accurate long-term pressure sensing. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3933-3943.	10.3	13
20	Photo-cross-linking of Anthracene as a Versatile Strategy to Design Shape Memory Polymers. <i>Materials Today: Proceedings</i> , 2019, 16, 1524-1530.	1.8	6
21	Distance control of soft robot using proximity sensor for beating heart surgery. , 2016, , .		4
22	Crystallization and Morphology of Immiscible Double Crystalline Poly(<i>p</i> -dioxanone)â€“Poly(tetramethylene ether)glycol Multiblock Co-polymers. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16793-16802.	3.7	1