

Xiao Yang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,233
citations

840776

11
h-index

940533

16
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all docs

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docs citations

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times ranked

693
citing authors

#	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	Healable and Recyclable Elastomers with Record-High Mechanical Robustness, Unprecedented Crack Tolerance, and Superhigh Elastic Restorability. <i>Advanced Materials</i> , 2021, 33, e2101498.	21.0	227
3	Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3390-3396.	13.8	213
4	Stimulus-driven liquid metal and liquid crystal network actuators for programmable soft robotics. <i>Materials Horizons</i> , 2021, 8, 2475-2484.	12.2	142
5	Bioinspired Phototropic MXene-Reinforced Soft Tubular Actuators for Omnidirectional Light-Tracking and Adaptive Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	127
6	Bioinspired Color-Changing Photonic Polymer Coatings Based on Three-Dimensional Blue Phase Liquid Crystal Networks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41102-41111.	8.0	67
7	Skin-Inspired Healable Conductive Elastomers with Exceptional Strain-Adaptive Stiffening and Damage Tolerance. <i>Macromolecules</i> , 2021, 54, 10767-10775.	4.8	42
8	Near-Infrared Light-Driven Shape-Programmable Hydrogel Actuators Loaded with Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11834-11841.	8.0	41
9	Discovery and Insights into Organized Spontaneous Emulsification via Interfacial Self-Assembly of Amphiphilic Bottlebrush Block Copolymers. <i>Macromolecules</i> , 2021, 54, 3668-3677.	4.8	36
10	One-Pot Synthesis of Supertough, Sustainable Polyester Thermoplastic Elastomers Using Block-Like, Gradient Copolymer as Soft Midblock. <i>CCS Chemistry</i> , 2022, 4, 1263-1272.	7.8	21
11	Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, 3432-3438.	2.0	20
12	Molecular weight dependency of β phase formation in injection-molded isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48555.	2.6	12
13	Gaussian and Non-Gaussian Distributions of Fracture Properties in Tensile Stretching of High-Density Polyethylene. <i>Macromolecules</i> , 2021, 54, 8860-8874.	4.8	10
14	Mechanism of Significant Improvement of Large Strain Elasticity in Soft Propylene-Ethylene Random Copolymer via Blending with Hard Propylene-Ethylene Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4967-4977.	3.7	6
15	Structural evolution in propylene-based elastomer with β form during stress relaxation. <i>Polymer</i> , 2021, 219, 123567.	3.8	4
16	Predicting the location of weld line in microinjection-molded polyethylene via molecular orientation distribution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1705-1715.	2.1	3
17	Frontispiece: Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	0
18	Frontispiz: Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0