

Ning Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,738
citations

361045

20
h-index

525886

27
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29
docs citations

29
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	An Orthogonal Dynamic Covalent Polymer Network with Distinctive Topology Transformations for Shape- and Molecular Architecture Reconfiguration. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202109941.	7.2	15
2	An Orthogonal Dynamic Covalent Polymer Network with Distinctive Topology Transformations for Shape- and Molecular Architecture Reconfiguration. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
3	Upcycling of dynamic thiourea thermoset polymers by intrinsic chemical strengthening. <i>Nature Communications</i> , 2022, 13, 397.	5.8	32
4	Converse two-way shape memory effect through a dynamic covalent network design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10350-10354.	5.2	10
5	Dynamic Covalent Polymer Networks: A Molecular Platform for Designing Functions beyond Chemical Recycling and Self-Healing. <i>Chemical Reviews</i> , 2021, 121, 1716-1745.	23.0	587
6	<sc>UV</sc> curable micro-structured shape memory epoxy with tunable performance. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51319.	1.3	2
7	Transparent origami glass. <i>Nature Communications</i> , 2021, 12, 4261.	5.8	24
8	Ultrafast Digital Fabrication of Designable Architected Liquid Crystalline Elastomer. <i>Advanced Materials</i> , 2021, 33, e2105597.	11.1	37
9	A thermadapt epoxy based on borate ester crosslinking and its carbon fiber composite as rapidly processable prepreg. <i>Composites Communications</i> , 2021, 28, 100979.	3.3	17
10	Structural tuning of polycaprolactone based thermadapt shape memory polymer. <i>Polymer Chemistry</i> , 2020, 11, 1369-1374.	1.9	57
11	On demand shape memory polymer via light regulated topological defects in a dynamic covalent network. <i>Nature Communications</i> , 2020, 11, 4257.	5.8	82
12	Remotely Triggered Assembly of 3D Mesostructures Through Shape-Memory Effects. <i>Advanced Materials</i> , 2019, 31, e1905715.	11.1	42
13	Climbing-inspired twining electrodes using shape memory for peripheral nerve stimulation and recording. <i>Science Advances</i> , 2019, 5, eaaw1066.	4.7	180
14	Grain Boundaries of Self-Assembled Porous Polymer Films for Unclonable Anti-Counterfeiting. <i>ACS Applied Polymer Materials</i> , 2019, 1, 47-53.	2.0	24
15	Mechano-Plastic Pyrolysis of Dynamic Covalent Polymer Network toward Hierarchical 3D Ceramics. <i>Advanced Materials</i> , 2019, 31, e1807326.	11.1	46
16	Freestanding 3D Mesostructures, Functional Devices, and Shape-Programmable Systems Based on Mechanically Induced Assembly with Shape Memory Polymers. <i>Advanced Materials</i> , 2019, 31, e1805615.	11.1	105
17	Bio-inspired 3D neural electrodes for the peripheral nerves stimulation using shape memory polymers. , 2018, , .		1
18	Assembly of Advanced Materials into 3D Functional Structures by Methods Inspired by Origami and Kirigami: A Review. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800284.	1.9	195

#	ARTICLE	IF	CITATIONS
19	Healable, Reconfigurable, Reprocessable Thermoset Shape Memory Polymer with Highly Tunable Topological Rearrangement Kinetics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22077-22082.	4.0	180
20	Catalyst-Free Thermoset Polyurethane with Permanent Shape Reconfigurability and Highly Tunable Triple-Shape Memory Performance. <i>ACS Macro Letters</i> , 2017, 6, 326-330.	2.3	198
21	A Metallosupramolecular Shape-Memory Polymer with Gradient Thermal Plasticity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12599-12602.	7.2	76
22	A Metallosupramolecular Shape-Memory Polymer with Gradient Thermal Plasticity. <i>Angewandte Chemie</i> , 2017, 129, 12773-12776.	1.6	22
23	Thermoset Shape-Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamylation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11421-11425.	7.2	460
24	Thermoset Shape-Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamylation. <i>Angewandte Chemie</i> , 2016, 128, 11593-11597.	1.6	64
25	Direct Laser Writing-Based Programmable Transfer Printing via Bioinspired Shape Memory Reversible Adhesive. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35628-35633.	4.0	97
26	Innentitelbild: Thermoset Shape-Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamylation (<i>Angew. Chem.</i> 38/2016). <i>Angewandte Chemie</i> , 2016, 128, 11474-11474.	1.6	1
27	Shape memory polymers for flexible electronics. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2016, 46, 044602.	0.2	6
28	High strain epoxy shape memory polymer. <i>Polymer Chemistry</i> , 2015, 6, 3046-3053.	1.9	173