# Ning Zheng

List of Publications by Year
in descending order



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|---|---|---|---|
| 28 papers | 2,738 citations | 361045 20 h-index | 525886 27 g-index |
| 29 all docs | 29 docs citations | 29 times ranked | 2932 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dynamic Covalent Polymer Networks: A Molecular Platform for Designing Functions beyond Chemical Recycling and Self-Healing. Chemical Reviews, 2021, 121, 1716-1745. | 23.0 | 587 |
| 2 | Thermoset Shapeâ€Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamoylation. Angewandte Chemie - International Edition, 2016, 55, 11421-11425. | 7.2 | 460 |
| 3 | Catalyst-Free Thermoset Polyurethane with Permanent Shape Reconfigurability and Highly Tunable Triple-Shape Memory Performance. ACS Macro Letters, 2017, 6, 326-330. | 2.3 | 198 |
| 4 | Assembly of Advanced Materials into 3D Functional Structures by Methods Inspired by Origami and Kirigami: A Review. Advanced Materials Interfaces, 2018, 5, 1800284. | 1.9 | 195 |
| 5 | Healable, Reconfigurable, Reprocessable Thermoset Shape Memory Polymer with Highly Tunable Topological Rearrangement Kinetics. ACS Applied Materials & Interfaces, 2017, 9, 22077-22082. | 4.0 | 180 |
| 6 | Climbing-inspired twining electrodes using shape memory for peripheral nerve stimulation and recording. Science Advances, 2019, 5, eaaw1066. | 4.7 | 180 |
| 7 | High strain epoxy shape memory polymer. Polymer Chemistry, 2015, 6, 3046-3053. | 1.9 | 173 |
| 8 | Freestanding 3D Mesostructures, Functional Devices, and Shapeâ€Programmable Systems Based on Mechanically Induced Assembly with Shape Memory Polymers. Advanced Materials, 2019, 31, e1805615. | 11.1 | 105 |
| 9 | Direct Laser Writing-Based Programmable Transfer Printing via Bioinspired Shape Memory Reversible Adhesive. ACS Applied Materials & Interfaces, 2016, 8, 35628-35633. | 4.0 | 97 |
| 10 | On demand shape memory polymer via light regulated topological defects in a dynamic covalent network. Nature Communications, 2020, 11, 4257. | 5.8 | 82 |
| 11 | A Metallosupramolecular Shapeâ€Memory Polymer with Gradient Thermal Plasticity. Angewandte Chemie - International Edition, 2017, 56, 12599-12602. | 7.2 | 76 |
| 12 | Thermoset Shapeâ€Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamoylation. Angewandte Chemie, 2016, 128, 11593-11597. | 1.6 | 64 |
| 13 | Structural tuning of polycaprolactone based thermadapt shape memory polymer. Polymer Chemistry, 2020, 11, 1369-1374. | 1.9 | 57 |
| 14 | Mechanoâ€Plastic Pyrolysis of Dynamic Covalent Polymer Network toward Hierarchical 3D Ceramics. Advanced Materials, 2019, 31, e1807326. | 11.1 | 46 |
| 15 | Remotely Triggered Assembly of 3D Mesostructures Through Shapeâ€Memory Effects. Advanced Materials, 2019, 31, e1905715. | 11.1 | 42 |
| 16 | Ultrafast Digital Fabrication of Designable Architectured Liquid Crystalline Elastomer. Advanced Materials, 2021, 33, e2105597. | 11.1 | 37 |
| 17 | Upcycling of dynamic thiourea thermoset polymers by intrinsic chemical strengthening. Nature Communications, 2022, 13, 397. | 5.8 | 32 |
| 18 | Grain Boundaries of Self-Assembled Porous Polymer Films for Unclonable Anti-Counterfeiting. ACS Applied Polymer Materials, 2019, 1, 47-53. | 2.0 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Transparent origami glass. Nature Communications, 2021, 12, 4261. | 5.8 | 24 |
| 20 | A Metallosupramolecular Shapeâ€Memory Polymer with Gradient Thermal Plasticity. Angewandte Chemie, 2017, 129, 12773-12776. | 1.6 | 22 |
| 21 | A thermadapt epoxy based on borate ester crosslinking and its carbon fiber composite as rapidly processable prepreg. Composites Communications, 2021, 28, 100979. | 3.3 | 17 |
| 22 | An Orthogonal Dynamic Covalent Polymer Network with Distinctive Topology Transformations for Shapeâ€•and Molecular Architecture Reconfiguration. Angewandte Chemie - International Edition, 2022, 61, e202109941. | 7.2 | 15 |
| 23 | Converse two-way shape memory effect through a dynamic covalent network design. Journal of Materials Chemistry A, 2022, 10, 10350-10354. | 5.2 | 10 |
| 24 | Shape memory polymers for flexible electronics. Scientia Sinica: Physica, Mechanica Et Astronomica, 2016, 46, 044602. | 0.2 | 6 |
| 25 | An Orthogonal Dynamic Covalent Polymer Network with Distinctive Topology Transformations for Shapeâ€•and Molecular Architecture Reconfiguration. Angewandte Chemie, 2022, 134, . | 1.6 | 3 |
| 26 | <scp>UV</scp> curable microâ€structured shape memory epoxy with tunable performance. Journal of Applied Polymer Science, 2021, 138, 51319. | 1.3 | 2 |
| 27 | Innentitelbild: Thermoset Shapeâ€Memory Polyurethane with Intrinsic Plasticity Enabled by Transcarbamoylation (Angew. Chem. 38/2016). Angewandte Chemie, 2016, 128, 11474-11474. | 1.6 | 1 |
| 28 | Bio-inspired 3D neural electrodes for the peripheral nerves stimulation using shape memory polymers. , 2018, , . | | 1 |