

Borui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

620
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Thiol-Michael Chemistry for Thermoresponsive Rehealable and Malleable Networks. <i>Macromolecules</i> , 2016, 49, 6871-6878.	4.8	123
2	Effect of Polymer Network Architecture, Enhancing Soft Materials Using Orthogonal Dynamic Bonds in an Interpenetrating Network. <i>ACS Macro Letters</i> , 2017, 6, 495-499.	4.8	94
3	Self-healing, malleable and creep limiting materials using both supramolecular and reversible covalent linkages. <i>Polymer Chemistry</i> , 2015, 6, 7368-7372.	3.9	89
4	Chemically fueled covalent crosslinking of polymer materials. <i>Chemical Communications</i> , 2019, 55, 2086-2089.	4.1	59
5	Dual stimuli responsive self-healing and malleable materials based on dynamic thiol-Michael chemistry. <i>Polymer Chemistry</i> , 2017, 8, 6534-6543.	3.9	54
6	Probing the mechanism of thermally driven thiol-Michael dynamic covalent chemistry. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2725-2734.	2.8	41
7	Dual-dynamic interpenetrated networks tuned through macromolecular architecture. <i>Polymer Chemistry</i> , 2019, 10, 6290-6304.	3.9	40
8	Quantity or Quality: Are Self-Healing Polymers and Elastomers Always Tougher with More Hydrogen Bonds?. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1108-1113.	4.4	35
9	Complementary Dynamic Chemistries for Multifunctional Polymeric Materials. <i>Advanced Functional Materials</i> , 0, , 2108431.	14.9	24
10	Computational Investigation of the Effect of Network Architecture on Mechanical Properties of Dynamically Cross-Linked Polymer Materials. <i>Macromolecular Theory and Simulations</i> , 2019, 28, 1900008.	1.4	17
11	Synthesis and effect on SMMC-7721 cells of new benzo[c , d]indole rhodanine complex merocyanines as PDT photosensitizers. <i>Tetrahedron</i> , 2017, 73, 3355-3362.	1.9	13
12	Approach to Introducing Substituent on the Dipole Conjugate Chain: The D ⁺ -A Methine Chain Electrophilic Substitution. <i>Organic Letters</i> , 2018, 20, 60-63.	4.6	8
13	Controlling polymer architecture to design dynamic network materials with multiple dynamic linkers. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1267-1276.	3.4	8
14	Norcyanine dyes with benzo[c,d]indolium moiety: Spectral sensitivity with pH change for fluorescence pH imaging in living cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 239-245.	3.8	6
15	Modeling Approach to Capture Hyperelasticity and Temporary Bonds in Soft Polymer Networks. <i>Macromolecules</i> , 2022, 55, 3573-3587.	4.8	5
16	Polymer grafting from a metallo-centered enzyme improves activity in non-native environments. <i>Polymer International</i> , 2021, 70, 775-782.	3.1	4