

Yuwei Gu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,585
citations

471509

17
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

2239
citing authors

#	ARTICLE	IF	CITATIONS
1	A General DNA-Gated Hydrogel Strategy for Selective Transport of Chemical and Biological Cargos. <i>Journal of the American Chemical Society</i> , 2021, 143, 17200-17208.	13.7	20
2	Polymernetzwerke: Von Kunststoffen und Gelen zu porösen Gerüsten. <i>Angewandte Chemie</i> , 2020, 132, 5054-5085.	2.0	16
3	Polymer Networks: From Plastics and Gels to Porous Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5022-5049.	13.8	194
4	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. <i>Angewandte Chemie</i> , 2019, 131, 16829-16834.	2.0	5
5	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16676-16681.	13.8	44
6	Counting loops in sidechain-crosslinked polymers from elastic solids to single-chain nanoparticles. <i>Chemical Science</i> , 2019, 10, 5332-5337.	7.4	33
7	A (Macro)Molecular-Level Understanding of Polymer Network Topology. <i>Trends in Chemistry</i> , 2019, 1, 318-334.	8.5	127
8	Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. <i>ACS Macro Letters</i> , 2018, 7, 244-249.	4.8	60
9	Leaving Groups as Traceless Topological Modifiers for the Synthesis of Topologically Isomeric Polymer Networks. <i>Journal of the American Chemical Society</i> , 2018, 140, 14033-14037.	13.7	27
10	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8493-8497.	13.8	79
11	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie</i> , 2018, 130, 8629-8633.	2.0	13
12	Photoswitching topology in polymer networks with metal-organic cages as crosslinks. <i>Nature</i> , 2018, 560, 65-69.	27.8	266
13	Logic-Controlled Radical Polymerization with Heat and Light: Multiple-Stimuli Switching of Polymer Chain Growth via a Recyclable, Thermally Responsive Gel Photoredox Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 2257-2266.	13.7	114
14	Living Additive Manufacturing: Transformation of Parent Gels into Diversely Functionalized Daughter Gels Made Possible by Visible Light Photoredox Catalysis. <i>ACS Central Science</i> , 2017, 3, 124-134.	11.3	146
15	Semibatch monomer addition as a general method to tune and enhance the mechanics of polymer networks via loop-defect control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4875-4880.	7.1	67
16	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Three-Component Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 188-192.	13.8	62
17	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Three-Component Assembly. <i>Angewandte Chemie</i> , 2017, 129, 194-198.	2.0	17
18	Ultra-sensitive ROS-responsive tellurium-containing polymers. <i>Chemical Communications</i> , 2015, 51, 7069-7071.	4.1	110

#	ARTICLE	IF	CITATIONS
19	The Combination of Chemotherapy and Radiotherapy towards More Efficient Drug Delivery. Chemistry - an Asian Journal, 2014, 9, 48-57.	3.3	72
20	Tellurium-Containing Polymer Micelles: Competitive-Ligand-Regulated Coordination Responsive Systems. Journal of the American Chemical Society, 2014, 136, 5132-5137.	13.7	112