Yuwei Gu

List of Publications by Year
in descending order

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	Photoswitching topology in polymer networks with metalâ€“organic cages as crosslinks. Nature, 2018, 560, 65-69.	27.8	266
2	Polymer Networks: From Plastics and Gels to Porous Frameworks. Angewandte Chemie - International Edition, 2020, 59, 5022-5049.	13.8	194
3	Living Additive Manufacturing: Transformation of Parent Gels into Diversely Functionalized Daughter Gels Made Possible by Visible Light Photoredox Catalysis. ACS Central Science, 2017, 3, 124-134.	11.3	146
4	A (Macro)Molecular-Level Understanding of Polymer Network Topology. Trends in Chemistry, 2019, 1, 318-334.	8.5	127
5	Logic-Controlled Radical Polymerization with Heat and Light: Multiple-Stimuli Switching of Polymer Chain Growth via a Recyclable, Thermally Responsive Gel Photoredox Catalyst. Journal of the American Chemical Society, 2017, 139, 2257-2266.	13.7	114
6	Tellurium-Containing Polymer Micelles: Competitive-Ligand-Regulated Coordination Responsive Systems. Journal of the American Chemical Society, 2014, 136, 5132-5137.	13.7	112
7	Ultra-sensitive ROS-responsive tellurium-containing polymers. Chemical Communications, 2015, 51, 7069-7071.	4.1	110
8	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. Angewandte Chemie - International Edition, 2018, 57, 8493-8497.	13.8	79
9	The Combination of Chemotherapy and Radiotherapy towards More Efficient Drug Delivery. Chemistry - an Asian Journal, 2014, 9, 48-57.	3.3	72
10	Semibatch monomer addition as a general method to tune and enhance the mechanics of polymer networks via loop-defect control. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4875-4880.	7.1	67
11	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Threeâ€Component Assembly. Angewandte Chemie - International Edition, 2017, 56, 188-192.	13.8	62
12	Counting Secondary Loops Is Required for Accurate Prediction of End-Linked Polymer Network Elasticity. ACS Macro Letters, 2018, 7, 244-249.	4.8	60
13	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie - International Edition, 2019, 58, 16676-16681.	13.8	44
14	Counting loops in sidechain-crosslinked polymers from elastic solids to single-chain nanoparticles. Chemical Science, 2019, 10, 5332-5337.	7.4	33
15	Leaving Groups as Traceless Topological Modifiers for the Synthesis of Topologically Isomeric Polymer Networks. Journal of the American Chemical Society, 2018, 140, 14033-14037.	13.7	27
16	A General DNA-Gated Hydrogel Strategy for Selective Transport of Chemical and Biological Cargos. Journal of the American Chemical Society, 2021, 143, 17200-17208.	13.7	20
17	Star PolyMOCs with Diverse Structures, Dynamics, and Functions by Threeâ€Component Assembly. Angewandte Chemie, 2017, 129, 194-198.	2.0	17
18	Polymernetzwerke: Von Kunststoffen und Gelen zu porÃ¶sen GerÃ¼sten. Angewandte Chemie, 2020, 132, 5054-5085.	2.0	16

#	Article	IF	Citations
19	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. Angewandte Chemie, 2018, 130, 8629-8633.	2.0	13
20	PolyMOF Nanoparticles: Dual Roles of a Multivalent polyMOF Ligand in Size Control and Surface Functionalization. Angewandte Chemie, 2019, 131, 16829-16834.	2.0	5