

Yihuan Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Advances, Challenges, and Opportunities of Poly(ϵ -butyrolactone)-Based Recyclable Polymers. ACS Macro Letters, 2021, 10, 284-296.	4.8	40
2	A novel microfluidic enzyme-organocatalysis combination strategy for ring-opening copolymerizations of lactone, lactide and cyclic carbonate. Chemical Engineering Journal, 2019, 356, 592-597.	12.7	28
3	Chemoselective polymerization platform for flow synthesis of functional polymers and nanoparticles. Chemical Engineering Journal, 2018, 333, 43-48.	12.7	22
4	Organocatalyzed chemoselective ring-opening polymerizations. Scientific Reports, 2018, 8, 3734.	3.3	19
5	Continuous flow protecting-group-free synthetic approach to thiol-terminated poly(ϵ -caprolactone). European Polymer Journal, 2016, 80, 234-239.	5.4	18
6	Enzymatic Continuous Flow Synthesis of Thiol-Terminated Poly(ϵ -valerolactone) and Block Copolymers. Macromolecular Rapid Communications, 2018, 39, e1700807.	3.9	16
7	Recyclable polymer functionalization via end-group modification and block/random copolymerization. Green Energy and Environment, 2021, 6, 578-584.	8.7	13
8	Direct synthesis of thiol-terminated poly(ϵ -caprolactone): a study on polymerization kinetics, mechanism and rare earth phenolates' structure-activity relationship. RSC Advances, 2017, 7, 37412-37418.	3.6	8
9	Continuous flow rare earth phenolates catalyzed chemoselective ring-opening polymerization. Chemical Engineering Science, 2020, 211, 115290.	3.8	6
10	Access to high-molecular-weight poly(ϵ -butyrolactone) by using simple commercial catalysts. Polymer Chemistry, 2022, 13, 439-445.	3.9	6
11	Microreactor-based chemo-enzymatic ROP-ROMP platform for continuous flow synthesis of bottlebrush polymers. Chemical Engineering Journal, 2022, 437, 135284.	12.7	5
12	Organomagnesium towards efficient synthesis of recyclable polymers. European Polymer Journal, 2020, 130, 109659.	5.4	4
13	Protecting-group-free synthesis of thiol-functionalized degradable polyesters. Polymer Chemistry, 2021, 12, 1749-1757.	3.9	4
14	Anionic polymerizations in a microreactor. Reaction Chemistry and Engineering, 2022, 7, 1026-1036.	3.7	3