

Jiayi Xu

List of Publications by Year in descending order

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papers

396
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citing authors

#	ARTICLE	IF	CITATIONS
1	Traceless switch organocatalysis enables multiblock ring-opening copolymerizations of lactones, carbonates, and lactides: by a one plus one approach in one pot. <i>Polymer Chemistry</i> , 2016, 7, 6297-6308.	3.9	39
2	Diblock dialternating terpolymers by one-step/one-pot highly selective organocatalytic multimonomer polymerization. <i>Nature Communications</i> , 2021, 12, 7124.	12.8	39
3	Wellâ€Defined Poly(Ester Amide)â€Based Homoâ€and Block Copolymers by Oneâ€Pot Organocatalytic Anionic Ringâ€Opening Copolymerization of <i>N</i> -Sulfonyl Aziridines and Cyclic Anhydrides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6949-6954.	13.8	36
4	Squaramide and amine binary H-bond organocatalysis in polymerizations of cyclic carbonates, lactones, and lactides. <i>Polymer Chemistry</i> , 2017, 8, 7054-7068.	3.9	29
5	Dual Switching in Both RAFT and ROP for Generation of Asymmetric A ² A ¹ B ¹ B ² Type Tetrablock Quaterpolymers. <i>Macromolecules</i> , 2017, 50, 9295-9306.	4.8	27
6	Polymerization of trimethylene carbonates using organic phosphoric acids. <i>Polymer Chemistry</i> , 2016, 7, 5526-5535.	3.9	26
7	Internal Lewis pair enhanced H-bond donor: boronate-urea and tertiary amine co-catalysis in ring-opening polymerization. <i>Polymer Chemistry</i> , 2016, 7, 6843-6853.	3.9	26
8	Carbocation Organocatalysis in Interrupted Povarov Reactions to <i>cis</i> -Fused Pyrano- and Furanobenzodihydropyrans. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3996-4003.	2.4	25
9	Opposite-charge repulsive cation and anion pair cooperative organocatalysis in ring-opening polymerization. <i>Polymer Chemistry</i> , 2018, 9, 2183-2192.	3.9	23
10	A Strained Ion Pair Permits Carbon Dioxide Fixation at Atmospheric Pressure by Câ€H H-Bonding Organocatalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 3422-3432.	3.2	22
11	Three is company: dual intramolecular hydrogen-bond enabled carboxylic acid active in ring-opening polymerization. <i>Polymer Chemistry</i> , 2016, 7, 1111-1120.	3.9	19
12	Metallic organophosphate catalyzed bulk ring-opening polymerization. <i>Polymer Chemistry</i> , 2018, 9, 732-742.	3.9	15
13	Guanidinium as bifunctional organocatalyst for ring-opening polymerizations. <i>Polymer</i> , 2018, 154, 17-26.	3.8	13
14	Amphiphilic Polyoxazolineâ€blockâ€Polypeptoid Copolymers by Sequential Oneâ€Pot Ringâ€Opening Polymerizations. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600483.	2.2	12
15	Chlorotropylium Promoted Conversions of Oximes to Amides and Nitriles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 311-315.	2.4	12
16	A preorganized dual H-bond donor promotes benzoic acid active in the polymerization of Î-galactolactone. <i>Polymer Chemistry</i> , 2017, 8, 5570-5579.	3.9	11
17	Tunable intramolecular H-bonding promotes benzoic acid activity in polymerization: inspiration from nature. <i>Polymer Chemistry</i> , 2017, 8, 6398-6406.	3.9	10
18	Wellâ€Defined Poly(Ester Amide)â€Based Homoâ€and Block Copolymers by Oneâ€Pot Organocatalytic Anionic Ringâ€Opening Copolymerization of <i>N</i> -Sulfonyl Aziridines and Cyclic Anhydrides. <i>Angewandte Chemie</i> , 2021, 133, 7025-7030.	2.0	10

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19	Brønsted base mediated one-pot synthesis of catechol-ended amphiphilic polysarcosine- <i>b</i> -poly(<i>N</i> -butyl glycine) diblock copolypeptoids. Pure and Applied Chemistry, 2019, 91, 363-374.	1.9	2