

Ye Liu

List of Publications by Year in descending order

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257450

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Carbonylative Polymerization of Epoxides Mediated by Tri-metallic Complexes: A Dual Catalysis Strategy for Synthesis of Biodegradable Polyhydroxyalkanoates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
2	Chemical recycling to monomers: Industrial <sc>Bisphenolâ€Aâ€Polycarbonates</sc> to novel aliphatic polycarbonate materials. <i>Journal of Polymer Science</i> , 2022, 60, 3256-3268.	3.8	24
3	Preparation of Sequence-Controlled Polyester and Polycarbonate Materials via Epoxide Copolymerization Mediated by Trinuclear Co(III) Complexes. <i>Macromolecules</i> , 2022, 55, 3541-3549.	4.8	7
4	Enantioselective Resolution Copolymerization of <i>Racemic cis</i>-Epoxides and Cyclic Anhydrides Mediated by Multichiral Bimetallic Chromium Complexes. <i>Macromolecules</i> , 2022, 55, 3869-3876.	4.8	8
5	Cationic P,Oâ€Coordinated Nickel(II) Catalysts for Carbonylative Polymerization of Ethylene: Unexpected Productivity via Subtle Electronic Variation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
6	Cationic P,Oâ€Coordinated Nickel(II) Catalysts for Carbonylative Polymerization of Ethylene: Unexpected Productivity via Subtle Electronic Variation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
7	WOX family transcriptional regulators modulate cytokinin homeostasis during leaf blade development in <i>Medicago truncatula</i> and <i>Nicotiana glauca</i>. <i>Plant Cell</i> , 2022, 34, 3737-3753.	6.6	12
8	Efficient and Selective Chemical Recycling of CO₂-Based Alicyclic Polycarbonates via Catalytic Pyrolysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	43
9	Efficient and Selective Chemical Recycling of CO₂-Based Alicyclic Polycarbonates via Catalytic Pyrolysis. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
10	Reliability-Based Robust Design Optimization in Consideration of Manufacturing Tolerance by Multi-Objective Evolutionary Optimization with Repair Algorithm. <i>International Journal of Computational Methods</i> , 2021, 18, 2150005.	1.3	2
11	Enantioselective, Stereoconvergent Resolution Copolymerization of Racemic <i>cis</i>-Internal Epoxides and Anhydrides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5994-6002.	13.8	24
12	Recyclable Polyhydroxyalkanoates via a Regioselective Ring-Opening Polymerization of Î±,Î²-Disubstituted Î²-Lactone Monomers. <i>Macromolecules</i> , 2021, 54, 4641-4648.	4.8	23
13	Chemical Synthesis of CO₂-Based Polymers with Enhanced Thermal Stability and Unexpected Recyclability from Biosourced Monomers. <i>ACS Catalysis</i> , 2021, 11, 8349-8357.	11.2	50
14	Synthesis of Nonalternating Polyketones Using Cationic Diphosphazane Monoxide-Palladium Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10743-10750.	13.7	44
15	Bulky <i>o</i>-Phenylene-Bridged Bimetallic Î±-Diimine Ni(II) and Pd(II) Catalysts in Ethylene (Co)polymerization. <i>Organometallics</i> , 2021, 40, 3703-3711.	2.3	15
16	Kinetic Study and Nonlinear Phenomenon during the Copolymerization of CO₂ with meso -Epoxides Catalyzed by Various Bimetallic Co III Complexes. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000247.	2.2	7
17	Enantioselective terpolymerization of racemic and <i>meso</i>-epoxides with anhydrides for preparation of chiral polyesters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15429-15436.	7.1	31
18	Bimetallic Cobalt Complex-Mediated Enantioselective Terpolymerizations of Carbon Dioxide, Cyclohexene Oxide, and Î²-Butyrolactone. <i>Organometallics</i> , 2020, 39, 1628-1633.	2.3	26

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19	Asymmetric Alternating Copolymerization of CO ₂ with <i>meso</i> -Epoxides: Ring Size Effects of Epoxides on Reactivity, Enantioselectivity, Crystallization, and Degradation. <i>Macromolecules</i> , 2020, 53, 2912-2918.	4.8	23
20	Enantioselective Resolution Copolymerization of <i>Racemic</i> Epoxides and Anhydrides: Efficient Approach for Stereoregular Polyesters and Chiral Epoxides. <i>Journal of the American Chemical Society</i> , 2019, 141, 8937-8942.	13.7	70
21	Frontispiece: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	1
22	Frontispiz: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
23	Fast Ring-Opening Polymerization of 1,2-Disubstituted Epoxides Initiated by a Co ^{III} -Salen Complex. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900377.	2.2	6
24	A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie</i> , 2019, 131, 3384-3388.	2.0	5
25	A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3346-3350.	13.8	35
26	Development of Highly Enantioselective Catalysts for Asymmetric Copolymerization of <i>meso</i> -Epoxides and Cyclic Anhydrides: Subtle Modification Resulting in Superior Enantioselectivity. <i>ACS Catalysis</i> , 2019, 9, 1915-1922.	11.2	67
27	Making Various Degradable Polymers from Epoxides Using a Versatile Dinuclear Chromium Catalyst. <i>Macromolecules</i> , 2018, 51, 771-778.	4.8	96
28	Learning Nature: Recyclable Monomers and Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 11255-11266.	3.3	110
29	Selective Long-Range Isomerization Carbonylation of a Complex Hyperbranched Polymer Substrate. <i>ACS Catalysis</i> , 2018, 8, 9232-9237.	11.2	19
30	Synthesis of Chiral Sulfur-Containing Polymers: Asymmetric Copolymerization of <i>meso</i> -Epoxides and Carbonyl Sulfide. <i>Angewandte Chemie</i> , 2018, 130, 12852-12856.	2.0	22
31	Synthesis of Chiral Sulfur-Containing Polymers: Asymmetric Copolymerization of <i>meso</i> -Epoxides and Carbonyl Sulfide. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12670-12674.	13.8	55
32	Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie</i> , 2017, 129, 4940-4944.	2.0	34
33	Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4862-4866.	13.8	175
34	Stereoregular CO ₂ Copolymers from Epoxides with an Electron-Withdrawing Group: Crystallization and Unexpected Stereocomplexation. <i>Macromolecules</i> , 2017, 50, 7062-7069.	4.8	34
35	Asymmetric Alternating Copolymerization of Meso-epoxides and Cyclic Anhydrides: Efficient Access to Enantiopure Polyesters. <i>Journal of the American Chemical Society</i> , 2016, 138, 11493-11496.	13.7	128
36	Crystalline Hetero-Stereocomplexed Polycarbonates Produced from Amorphous Opposite Enantiomers Having Different Chemical Structures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7042-7046.	13.8	59

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37	Crystalline CO ₂ -based polycarbonates prepared from racemic catalyst through intramolecularly interlocked assembly. <i>Nature Communications</i> , 2015, 6, 8594.	12.8	68
38	Crystalline Stereocomplexed Polycarbonates: Hydrogen-Bond-Driven Interlocked Orderly Assembly of the Opposite Enantiomers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2241-2244.	13.8	74
39	Crystalline-gradient polycarbonates prepared from enantioselective terpolymerization of meso-epoxides with CO ₂ . <i>Nature Communications</i> , 2014, 5, 5687.	12.8	85
40	Mechanistic Understanding of Dinuclear Cobalt(III) Complex Mediated Highly Enantioselective Copolymerization of <i>meso</i> -Epoxides with CO ₂ . <i>Macromolecules</i> , 2014, 47, 7775-7788.	4.8	108
41	Binuclear chromium-salan complex catalyzed alternating copolymerization of epoxides and cyclic anhydrides. <i>Polymer Chemistry</i> , 2013, 4, 1439-1444.	3.9	111
42	Kinetic Study on the Coupling of CO ₂ and Epoxides Catalyzed by Co(III) Complex with an Inter- or Intramolecular Nucleophilic Cocatalyst. <i>Macromolecules</i> , 2013, 46, 1343-1349.	4.8	76
43	Asymmetric Copolymerization of CO ₂ with <i>meso</i> -Epoxides Mediated by Dinuclear Cobalt(III) Complexes: Unprecedented Enantioselectivity and Activity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11594-11598.	13.8	207
44	Stereoregular polycarbonate synthesis: Alternating copolymerization of CO ₂ with aliphatic terminal epoxides catalyzed by multichiral cobalt(III) complexes. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4894-4901.	2.3	73
45	Carbonylative Polymerization of Epoxides Mediated by Tri-metallic Complexes: A Dual Catalysis Strategy for Synthesis of Biodegradable Polyhydroxyalkanoates. <i>Angewandte Chemie</i> , 0, , .	2.0	1