

# Ye Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,133  
citations

257450

24  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1009  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Asymmetric Copolymerization of CO <sub>2</sub> 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       |
| 2  | Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4862-4866.   | 13.8 | 175       |
| 3  | 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       |
| 4  | Binuclear chromium-salan complex catalyzed alternating copolymerization of epoxides and cyclic anhydrides. <i>Polymer Chemistry</i> , 2013, 4, 1439-1444.   | 3.9  | 111       |
| 5  | Learning Nature: Recyclable Monomers and Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 11255-11266.   | 3.3  | 110       |
| 6  | Mechanistic Understanding of Dinuclear Cobalt(III) Complex Mediated Highly Enantioselective Copolymerization of <i>meso</i> -Epoxides with CO <sub>2</sub> . <i>Macromolecules</i> , 2014, 47, 7775-7788.                                       | 4.8  | 108       |
| 7  | Making Various Degradable Polymers from Epoxides Using a Versatile Dinuclear Chromium Catalyst. <i>Macromolecules</i> , 2018, 51, 771-778.  | 4.8  | 96        |
| 8  | Crystalline-gradient polycarbonates prepared from enantioselective terpolymerization of meso-epoxides with CO <sub>2</sub> . <i>Nature Communications</i> , 2014, 5, 5687.  | 12.8 | 85        |
| 9  | Kinetic Study on the Coupling of CO <sub>2</sub> and Epoxides Catalyzed by Co(III) Complex with an Inter- or Intramolecular Nucleophilic Cocatalyst. <i>Macromolecules</i> , 2013, 46, 1343-1349.   | 4.8  | 76        |
| 10 | 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        |
| 11 | Stereoregular polycarbonate synthesis: Alternating copolymerization of CO <sub>2</sub> 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        |
| 12 | 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        |
| 13 | Crystalline CO <sub>2</sub> -based polycarbonates prepared from racemic catalyst through intramolecularly interlocked assembly. <i>Nature Communications</i> , 2015, 6, 8594.   | 12.8 | 68        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | Chemical Synthesis of CO <sub>2</sub> -Based Polymers with Enhanced Thermal Stability and Unexpected Recyclability from Biosourced Monomers. <i>ACS Catalysis</i> , 2021, 11, 8349-8357.  | 11.2 | 50        |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | Efficient and Selective Chemical Recycling of CO <sub>2</sub> -Based Alicyclic Polycarbonates via Catalytic Pyrolysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 13.8 | 43        |
| 20 | A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3346-3350.  | 13.8 | 35        |
| 21 | Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie</i> , 2017, 129, 4940-4944.   | 2.0  | 34        |
| 22 | Stereoregular CO <sub>2</sub> Copolymers from Epoxides with an Electron-Withdrawing Group: Crystallization and Unexpected Stereocomplexation. <i>Macromolecules</i> , 2017, 50, 7062-7069.   | 4.8  | 34        |
| 23 | 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        |
| 24 | Bimetallic Cobalt Complex-Mediated Enantioselective Terpolymerizations of Carbon Dioxide, Cyclohexene Oxide, and $\beta$ -Butyrolactone. <i>Organometallics</i> , 2020, 39, 1628-1633.   | 2.3  | 26        |
| 25 | 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        |
| 26 | Chemical recycling to monomers: Industrial <i>cis</i> -Bisphenol-A Polycarbonates to novel aliphatic polycarbonate materials. <i>Journal of Polymer Science</i> , 2022, 60, 3256-3268.   | 3.8  | 24        |
| 27 | Asymmetric Alternating Copolymerization of CO <sub>2</sub> 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        |
| 28 | Recyclable Polyhydroxyalkanoates via a Regioselective Ring-Opening Polymerization of $\beta$ , $\beta'$ -Disubstituted $\beta$ -Lactone Monomers. <i>Macromolecules</i> , 2021, 54, 4641-4648.   | 4.8  | 23        |
| 29 | 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        |
| 30 | 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        |
| 31 | Selective Long-Range Isomerization Carbonylation of a Complex Hyperbranched Polymer Substrate. <i>ACS Catalysis</i> , 2018, 8, 9232-9237.  | 11.2 | 19        |
| 32 | Bulky <i>o</i> -Phenylene-Bridged Bimetallic $\beta$ -Diimine Ni(II) and Pd(II) Catalysts in Ethylene (Co)polymerization. <i>Organometallics</i> , 2021, 40, 3703-3711.  | 2.3  | 15        |
| 33 | 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        |
| 34 | Cationic P,O-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        |
| 35 | 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         |
| 36 | Kinetic Study and Nonlinear Phenomenon during the Copolymerization of CO <sub>2</sub> with <i>meso</i> -Epoxides Catalyzed by Various Bimetallic Co(III) Complexes. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000247.          | 2.2  | 7         |

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|----|---|------|-----------|
| 37 | 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         |
| 38 | Fast Ring-Opening Polymerization of 1,2-Disubstituted Epoxides Initiated by a Co <sup>III</sup> -Salen Complex. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900377.   | 2.2  | 6         |
| 39 | A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie</i> , 2019, 131, 3384-3388.  | 2.0  | 5         |
| 40 | Cationic P <sub>O</sub> -Coordinated Nickel(II) Catalysts for Carbonylative Polymerization of Ethylene: Unexpected Productivity via Subtle Electronic Variation. <i>Angewandte Chemie</i> , 2022, 134, .                                | 2.0  | 3         |
| 41 | Efficient and Selective Chemical Recycling of CO <sub>2</sub> -Based Alicyclic Polycarbonates via Catalytic Pyrolysis. <i>Angewandte Chemie</i> , 2022, 134, .  | 2.0  | 3         |
| 42 | 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         |
| 43 | Frontispiece: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .  | 13.8 | 1         |
| 44 | 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         |
| 45 | Frontispiz: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie</i> , 2019, 131, .   | 2.0  | 0         |