

Xiao-Bing Lu

List of Publications by Year in descending order

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114
papers

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66315

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#	ARTICLE	IF	CITATIONS
1	Organocatalytic Cascade Synthesis of Peroxy-Substituted Cyclic Carbonates from CO ₂ -Sourced \pm -Alkylidene Cyclic Carbonates and Hydroperoxides. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	4
2	COS-triggered oxygen/sulfur exchange of isatins: chemoselective synthesis of functionalized isoindigos and spirothiopyrans <i>via</i> self-condensation and the thio-Diels-Alder reaction. Organic and Biomolecular Chemistry, 2022, 20, 678-685.	1.5	5
3	Facile synthesis, structure and properties of CO ₂ -sourced poly(thioether-co-carbonate)s containing acetyl pendants <i>via</i> thio-ene click polymerization. Polymer Chemistry, 2022, 13, 201-208.	1.9	4
4	Carbonylative Polymerization of Epoxides Mediated by Tri-metallic Complexes: A Dual Catalysis Strategy for Synthesis of Biodegradable Polyhydroxyalkanoates. Angewandte Chemie - International Edition, 2022, 61, .	7.2	20
5	Controlled Disassembly of Elemental Sulfur: An Approach to the Precise Synthesis of Polydisulfides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	23
6	Intramolecular Partners in Asymmetric Catalysis Copolymerization: Highly Enantioselective and Controllable at Enhanced Temperatures and Low Loadings. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
7	Recent advances in electrochemical carboxylation reactions using carbon dioxide. Green Chemical Engineering, 2022, 3, 125-137.	3.3	48
8	Chemical recycling to monomers: Industrial Bisphenol-A Polycarbonates to novel aliphatic polycarbonate materials. Journal of Polymer Science, 2022, 60, 3256-3268.	2.0	24
9	Preparation of Sequence-Controlled Polyester and Polycarbonate Materials via Epoxide Copolymerization Mediated by Trinuclear Co(III) Complexes. Macromolecules, 2022, 55, 3541-3549.	2.2	7
10	Intramolecular synergistic catalysis for asymmetric alternating copolymerization of CO ₂ and <i>meso</i> -epoxides. Journal of Polymer Science, 2022, 60, 2078-2085.	2.0	7
11	Electrocarboxylation of <i>N</i> -Acylimines with Carbon Dioxide: Access to Substituted \pm -Amino Acids. Organic Letters, 2022, 24, 3565-3569.	2.4	25
12	Alkoxy-Functionalized Amines as Single-Component Water-Lean CO ₂ Absorbents with High Efficiency: The Benefit of Stabilized Carbamic Acid. Industrial & Engineering Chemistry Research, 2022, 61, 7080-7089.	1.8	1
13	Enantioselective Resolution Copolymerization of Racemic <i>cis</i> -Epoxides and Cyclic Anhydrides Mediated by Multichiral Bimetallic Chromium Complexes. Macromolecules, 2022, 55, 3869-3876.	2.2	8
14	Cationic P-Coordinated Nickel(II) Catalysts for Carbonylative Polymerization of Ethylene: Unexpected Productivity via Subtle Electronic Variation. Angewandte Chemie, 2022, 134, .	1.6	3
15	Cationic P-Coordinated Nickel(II) Catalysts for Carbonylative Polymerization of Ethylene: Unexpected Productivity via Subtle Electronic Variation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
16	Partners in Epoxide Copolymerization Catalysis: Approach to High Activity and Selectivity. Chinese Journal of Polymer Science (English Edition), 2022, 40, 1331-1348.	2.0	14
17	Enantioselective, Stereoconvergent Resolution Copolymerization of Racemic <i>cis</i> -Internal Epoxides and Anhydrides. Angewandte Chemie - International Edition, 2021, 60, 5994-6002.	7.2	24
18	Randomly Distributed Sulfur Atoms in the Main Chains of CO ₂ -Based Polycarbonates: Enhanced Optical Properties. Angewandte Chemie - International Edition, 2021, 60, 4315-4321.	7.2	31

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19	Enantioselective, Stereoconvergent Resolution Copolymerization of Racemic cis-Internal Epoxides and Anhydrides. <i>Angewandte Chemie</i> , 2021, 133, 6059-6067.	1.6	5
20	Recyclable Polyhydroxyalkanoates via a Regioselective Ring-Opening Polymerization of 1,2-Disubstituted Lactone Monomers. <i>Macromolecules</i> , 2021, 54, 4641-4648.	2.2	23
21	Chemical Synthesis of CO ₂ -Based Polymers with Enhanced Thermal Stability and Unexpected Recyclability from Biosourced Monomers. <i>ACS Catalysis</i> , 2021, 11, 8349-8357.	5.5	50
22	Trinuclear salen-chromium(III) chloride complexes as catalysts for the alternating copolymerization of epoxides and cyclic anhydrides. <i>Journal of Polymer Science</i> , 2021, 59, 1821-1828.	2.0	16
23	Photoinduced Reversible Semicrystalline to Amorphous State Transitions of Stereoregular Azopolyesters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17898-17903.	7.2	11
24	Enantioselective Resolution Copolymerization of Racemic 2,3-Disubstituted cis-Epoxides with CO ₂ Mediated by Binuclear Cobalt(III) Catalyst. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2386-2390.	2.6	6
25	Synthesis of Nonalternating Polyketones Using Cationic Diphosphazane Monoxide-Palladium Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10743-10750.	6.6	44
26	Photoinduced Reversible Semicrystalline to Amorphous State Transitions of Stereoregular Azopolyesters. <i>Angewandte Chemie</i> , 2021, 133, 18042-18047.	1.6	2
27	Carbon dioxide-promoted palladium-catalyzed dehydration of primary allylic alcohols: access to substituted 1,3-dienes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 941-946.	2.3	11
28	Bulky <i>o</i> -Phenylene-Bridged Bimetallic 1,2-Diimine Ni(II) and Pd(II) Catalysts in Ethylene (Co)polymerization. <i>Organometallics</i> , 2021, 40, 3703-3711.	1.1	15
29	Facile Access to Functionalized Poly(thioether)s via Anionic Ring-Opening Decarboxylative Polymerization of COS-Sourced 1-Alkylidene Cyclic Thiocarbonates. <i>Macromolecules</i> , 2021, 54, 10395-10404.	2.2	5
30	Ether-functionalization of monoethanolamine (MEA) for reversible CO ₂ capture under solvent-free conditions with high-capacity and low-viscosity. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1276-1284.	2.5	6
31	Access to 1,3-oxazine-2,4-diones/1,3-thiazine-2,4-diones via organocatalytic CO ₂ /COS incorporation into allenamides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 905-911.	1.5	9
32	Highly effective capture and subsequent catalytic transformation of low-concentration CO ₂ by superbasic guanidines. <i>Green Chemistry</i> , 2020, 22, 7832-7838.	4.6	10
33	Alternating Copolymerization of SO ₂ with Epoxides Mediated by Simple Organic Ammonium Salts. <i>Macromolecules</i> , 2020, 53, 9901-9905.	2.2	14
34	Carboxylative Cyclization of 2-Butenoates with Carbon Dioxide: Access to Glutaconic Anhydrides. <i>Journal of Organic Chemistry</i> , 2020, 85, 11579-11588.	1.7	3
35	Facile Synthesis of Well-Defined Branched Sulfur-Containing Copolymers: One-Pot Copolymerization of Carbonyl Sulfide and Epoxide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13633-13637.	7.2	23
36	Intramolecularly Cooperative Catalysis for Copolymerization of Cyclic Thioanhydrides and Epoxides: A Dual Activation Strategy to Well-Defined Polythioesters. <i>ACS Catalysis</i> , 2020, 10, 6635-6644.	5.5	41

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37	Partners in catalysis. <i>Nature Chemistry</i> , 2020, 12, 324-326.	6.6	11
38	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.	3.3	31
39	A Simple Strategy for the Preparation of <i>P</i> -Chirogenic Trost Ligands with Different Absolute Configurations. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5003-5008.	1.2	6
40	Bimetallic Cobalt Complex-Mediated Enantioselective Terpolymerizations of Carbon Dioxide, Cyclohexene Oxide, and β -Butyrolactone. <i>Organometallics</i> , 2020, 39, 1628-1633.	1.1	26
41	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.	2.2	23
42	Precise Synthesis of Poly(thioester)s with Diverse Structures by Copolymerization of Cyclic Thioanhydrides and Episulfides Mediated by Organic Ammonium Salts. <i>Angewandte Chemie</i> , 2019, 131, 628-633.	1.6	6
43	Alternating Copolymerization of <i>trans</i> -Internal Epoxides and Cyclic Anhydrides Mediated by Dinuclear Chromium Catalyst Systems. <i>Macromolecules</i> , 2019, 52, 5652-5657.	2.2	12
44	Reversible Transformation between Amorphous and Crystalline States of Unsaturated Polyesters by <i>Cis</i> \leftrightarrow <i>Trans</i> Isomerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17636-17640.	7.2	26
45	Development of High-Capacity and Water-Clean CO ₂ Absorbents by a Concise Molecular Design Strategy through Viscosity Control. <i>ChemSusChem</i> , 2019, 12, 5164-5171.	3.6	14
46	Reversible Transformation between Amorphous and Crystalline States of Unsaturated Polyesters by <i>Cis</i> \leftrightarrow <i>Trans</i> Isomerization. <i>Angewandte Chemie</i> , 2019, 131, 17800-17804.	1.6	6
47	Comprehensive Understanding of Polyester Stereocomplexation. <i>Journal of the American Chemical Society</i> , 2019, 141, 14780-14787.	6.6	72
48	Living and Chemoselective (Co)polymerization of Polar Divinyl Monomers Mediated by Bulky Lewis Pairs. <i>Macromolecules</i> , 2019, 52, 4520-4525.	2.2	43
49	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.	6.6	70
50	Organocatalytic Cyclization of COS and Propargylic Derivatives to Value-Added Heterocyclic Compounds. <i>ChemCatChem</i> , 2019, 11, 5728-5732.	1.8	13
51	Organocatalytic cycloaddition of carbonyl sulfide with propargylic alcohols to 1,3-oxathiolan-2-ones. <i>Catalysis Science and Technology</i> , 2019, 9, 1457-1463.	2.1	10
52	Semiaromatic Poly(thioester) from the Copolymerization of Phthalic Thioanhydride and Epoxide: Synthesis, Structure, and Properties. <i>Macromolecules</i> , 2019, 52, 2439-2445.	2.2	38
53	Highly regio- and stereoselective synthesis of cyclic carbonates from biomass-derived polyols via organocatalytic cascade reaction. <i>Green Chemistry</i> , 2019, 21, 6335-6341.	4.6	42
54	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.	1.1	6

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55	Isolable CO ₂ Adducts of Polarized Alkenes: High Thermal Stability and Catalytic Activity for CO ₂ Chemical Transformation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 326-334.	2.1	23
56	Precise Synthesis of Poly(thioester)s with Diverse Structures by Copolymerization of Cyclic Thioanhydrides and Episulfides Mediated by Organic Ammonium Salts. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 618-623.	7.2	69
57	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.	5.5	67
58	From Stereochemically Tunable Homopolymers to Stereomultiblock Copolymers: Lewis Base Regulates Stereochemistry in the Coordination Polymerization of 2-Vinylpyridine. <i>Macromolecules</i> , 2018, 51, 2240-2246.	2.2	30
59	Making Various Degradable Polymers from Epoxides Using a Versatile Dinuclear Chromium Catalyst. <i>Macromolecules</i> , 2018, 51, 771-778.	2.2	96
60	Unveiling chain-chain interactions in CO ₂ -based crystalline stereocomplexed polycarbonates by solid-state NMR spectroscopy and DFT calculations. <i>Journal of Energy Chemistry</i> , 2018, 27, 361-366.	7.1	2
61	Learning Nature: Recyclable Monomers and Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 11255-11266.	1.7	110
62	Frontispiece: Learning Nature: Recyclable Monomers and Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
63	Synthesis of Chiral Sulfur-Containing Polymers: Asymmetric Copolymerization of <i>meso</i> -Epoxides and Carbonyl Sulfide. <i>Angewandte Chemie</i> , 2018, 130, 12852-12856.	1.6	22
64	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.	7.2	55
65	Highly Robust Yttrium Bis(phenolate) Ether Catalysts for Excellent Isoselective Ring-Opening Polymerization of Racemic Lactide. <i>Macromolecules</i> , 2017, 50, 515-522.	2.2	78
66	Functionalized Polyesters with Tunable Degradability Prepared by Controlled Ring-Opening (Co)polymerization of Lactones. <i>Macromolecules</i> , 2017, 50, 3131-3142.	2.2	38
67	CO ₂ Adducts of β -Carbon Alkylated α -Heterocyclic Olefins: Highly Active Organocatalysts for CO ₂ Chemical Transformation. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1264-1269.	1.3	34
68	Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie</i> , 2017, 129, 4940-4944.	1.6	34
69	Completely Recyclable Monomers and Polycarbonate: Approach to Sustainable Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4862-4866.	7.2	175
70	Crystalline and Elastomeric Poly(monothiocarbonate)s Prepared from Copolymerization of COS and Achiral Epoxide. <i>Macromolecules</i> , 2017, 50, 63-68.	2.2	43
71	Palladium-Catalyzed Cyclization Reaction of <i>o</i> -Iodoanilines, CO ₂ , and CO: Access to Isoic Anhydrides. <i>ACS Catalysis</i> , 2017, 7, 8072-8076.	5.5	18
72	Stereoregular CO ₂ Copolymers from Epoxides with an Electron-Withdrawing Group: Crystallization and Unexpected Stereocomplexation. <i>Macromolecules</i> , 2017, 50, 7062-7069.	2.2	34

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73	1,3-Dipolar Cycloaddition of Nitrile Imine with Carbon Dioxide: Access to 1,3,4-Oxadiazole-2(3 <i>H</i>)-ones. <i>Journal of Organic Chemistry</i> , 2017, 82, 7637-7642.	1.7	37
74	A Single-Site Iron(III)-Salan Catalyst for Converting COS to Sulfur-Containing Polymers. <i>Polymers</i> , 2017, 9, 515.	2.0	17
75	Crystalline Polythiocarbonate from Stereoregular Copolymerization of Carbonyl Sulfide and Epichlorohydrin. <i>Macromolecules</i> , 2016, 49, 2971-2976.	2.2	39
76	Access to α -Arylglycines by Umpolung Carboxylation of Aromatic Imines with Carbon Dioxide. <i>Chemistry - A European Journal</i> , 2016, 22, 17156-17159.	1.7	43
77	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.	6.6	128
78	Carboxylative cyclization of substituted propenyl ketones using CO ₂ : transition-metal-free synthesis of α -pyrones. <i>Green Chemistry</i> , 2016, 18, 4181-4184.	4.6	68
79	Highly Isotactic and High-Molecular-Weight Poly(2-vinylpyridine) by Coordination Polymerization with Yttrium Bis(phenolate) Ether Catalysts. <i>ACS Catalysis</i> , 2016, 6, 4907-4913.	5.5	38
80	CO ₂ , COS and CS ₂ adducts of N-heterocyclic olefins and their application as organocatalysts for carbon dioxide fixation. <i>Green Chemistry</i> , 2015, 17, 4009-4015.	4.6	90
81	Crystalline Hetero- π -Stereocomplexed Polycarbonates Produced from Amorphous Opposite Enantiomers Having Different Chemical Structures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7042-7046.	7.2	59
82	CO ₂ Adducts of Phosphorus Ylides: Highly Active Organocatalysts for Carbon Dioxide Transformation. <i>ACS Catalysis</i> , 2015, 5, 6773-6779.	5.5	226
83	Crystalline CO ₂ -based polycarbonates prepared from racemic catalyst through intramolecularly interlocked assembly. <i>Nature Communications</i> , 2015, 6, 8594.	5.8	68
84	Single-Site Bifunctional Catalysts for COX (X = O or S)/Epoxides Copolymerization: Combining High Activity, Selectivity, and Durability. <i>Macromolecules</i> , 2015, 48, 8445-8450.	2.2	50
85	Crystalline Stereocomplexed Polycarbonates: Hydrogen-Bond-Driven Interlocked Orderly Assembly of the Opposite Enantiomers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2241-2244.	7.2	74
86	Crystalline-gradient polycarbonates prepared from enantioselective terpolymerization of meso-epoxides with CO ₂ . <i>Nature Communications</i> , 2014, 5, 5687.	5.8	85
87	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.	2.2	108
88	Alkoxide-functionalized imidazolium betaines for CO ₂ activation and catalytic transformation. <i>Green Chemistry</i> , 2014, 16, 2266-2272.	4.6	104
89	Stereospecific CO ₂ Copolymers from 3,5-Dioxaepoxides: Crystallization and Functionalization. <i>Macromolecules</i> , 2014, 47, 1269-1276.	2.2	80
90	Trivalent cobalt complex mediated formation of stereoregular CO ₂ copolymers from phenyl glycidyl ether. <i>Polymer Chemistry</i> , 2013, 4, 4425.	1.9	35

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91	Fast CO ₂ Sequestration, Activation, and Catalytic Transformation Using <i>N</i> -Heterocyclic Olefins. <i>Journal of the American Chemical Society</i> , 2013, 135, 11996-12003.	6.6	277
92	Binuclear chromium-salan complex catalyzed alternating copolymerization of epoxides and cyclic anhydrides. <i>Polymer Chemistry</i> , 2013, 4, 1439-1444.	1.9	111
93	Crystalline CO ₂ Copolymer from Epichlorohydrin via Co(III)-Complex-Mediated Stereospecific Polymerization. <i>Macromolecules</i> , 2013, 46, 2128-2133.	2.2	82
94	Mechanistic Aspects of Metal Valence Change in SalenCo(III)OAc-Catalyzed Hydrolytic Kinetic Resolution of Racemic Epoxides. <i>Journal of Organic Chemistry</i> , 2013, 78, 4801-4810.	1.7	28
95	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.	7.2	207
96	Enhanced Asymmetric Induction for the Copolymerization of CO ₂ and Cyclohexene Oxide with Unsymmetric Enantiopure SalenCo(III) Complexes: Synthesis of Crystalline CO ₂ -Based Polycarbonate. <i>Journal of the American Chemical Society</i> , 2012, 134, 5682-5688.	6.6	140
97	CO ₂ Copolymers from Epoxides: Catalyst Activity, Product Selectivity, and Stereochemistry Control. <i>Accounts of Chemical Research</i> , 2012, 45, 1721-1735.	7.6	576
98	Cobalt catalysts for the coupling of CO ₂ and epoxides to provide polycarbonates and cyclic carbonates. <i>Chemical Society Reviews</i> , 2012, 41, 1462-1484.	18.7	1,017
99	Role of the co-catalyst in the asymmetric coupling of racemic epoxides with CO ₂ using multichiral Co(III) complexes: product selectivity and enantioselectivity. <i>Chemical Science</i> , 2012, 3, 2094.	3.7	93
100	Stereoregular poly(cyclohexene carbonate)s: Unique crystallization behavior. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 487-492.	2.0	73
101	Alternating copolymerization of CO ₂ and styrene oxide with Co(III)-based catalyst systems: differences between styrene oxide and propylene oxide. <i>Energy and Environmental Science</i> , 2011, 4, 5084.	15.6	94
102	<i>N</i> -heterocyclic Carbene Scandium Complexes: Synthesis, Structure, and Catalytic Performance for β -Olefin Polymerization and Copolymerization with 1,5-Hexadiene. <i>Organometallics</i> , 2011, 30, 5687-5694.	1.1	36
103	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.	2.5	73
104	Highly Selective Synthesis of CO ₂ Copolymer from Styrene Oxide. <i>Macromolecules</i> , 2010, 43, 9202-9204.	2.2	138
105	Mechanistic Aspects of the Copolymerization of CO ₂ with Epoxides Using a Thermally Stable Single-Site Cobalt(III) Catalyst. <i>Journal of the American Chemical Society</i> , 2009, 131, 11509-11518.	6.6	311
106	Asymmetric, regio- and stereo-selective alternating copolymerization of CO ₂ and propylene oxide catalyzed by chiral chromium Salan complexes. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6102-6113.	2.5	114
107	CO ₂ Adducts of <i>N</i> -Heterocyclic Carbenes: Thermal Stability and Catalytic Activity toward the Coupling of CO ₂ with Epoxides. <i>Journal of Organic Chemistry</i> , 2008, 73, 8039-8044.	1.7	327
108	Asymmetric Alternating Copolymerization and Terpolymerization of Epoxides with Carbon Dioxide at Mild Conditions. <i>Macromolecules</i> , 2006, 39, 5679-5685.	2.2	142

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109	Design of Highly Active Binary Catalyst Systems for CO ₂ /Epoxide Copolymerization: Polymer Selectivity, Enantioselectivity, and Stereochemistry Control. <i>Journal of the American Chemical Society</i> , 2006, 128, 1664-1674.	6.6	399
110	Asymmetric Catalysis with CO ₂ : Direct Synthesis of Optically Active Propylene Carbonate from Racemic Epoxides. <i>Journal of the American Chemical Society</i> , 2004, 126, 3732-3733.	6.6	340
111	Highly Active, Binary Catalyst Systems for the Alternating Copolymerization of CO ₂ and Epoxides under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3574-3577.	7.2	320
112	Carbonylative Polymerization of Epoxides Mediated by Tri-metallic Complexes: A Dual Catalysis Strategy for Synthesis of Biodegradable Polyhydroxyalkanoates. <i>Angewandte Chemie</i> , 0, , .	1.6	1
113	Controlled Disassembly of Elemental Sulfur: An Approach to the Precise Synthesis of Polydisulfides. <i>Angewandte Chemie</i> , 0, , .	1.6	0
114	Intramolecular Partners in Asymmetric Catalysis Copolymerization: Highly Enantioselective and Controllable at Enhanced Temperatures and Low Loadings. <i>Angewandte Chemie</i> , 0, , .	1.6	1