Eugene Y-X Chen

List of Publications by Year
in descending order

186 papers	12,132 citations	23567 58 h-index	33894 99 g-index
191 all docs	191 docs citations	191 times ranked	5912 citing authors

#	Article	IF	Citations
1	Bio-based polymers with performance-advantaged properties. Nature Reviews Materials, 2022, 7, 83-103.	48.7	268
2	Closing the â€œOne Monomerâ€“Two Polymersâ€“One Monomerâ€•Loop via Orthogonal (De)polymerization of a Lactone/Olefin Hybrid. Journal of the American Chemical Society, 2022, 144, 2264-2275.	13.7	56
3	Sustainable nanofiltration membranes based on biosourced fully recyclable polyesters and green solvents. , 2022, 2, 100016.		16
4	Mechanism of Spatial and Temporal Control in Precision Cyclic Vinyl Polymer Synthesis by Lewis Pair Polymerization. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
5	Electrochemical Activation of Câˆ’C Bonds through Mediated Hydrogen Atom Transfer Reactions. ChemSusChem, 2022, 15, .	6.8	15
6	Redesigned Hybrid Nylons with Optical Clarity and Chemical Recyclability. Journal of the American Chemical Society, 2022, 144, 5366-5376.	13.7	53
7	Critical advances and future opportunities in upcycling commodity polymers. Nature, 2022, 603, 803-814.	27.8	404
8	Modulating the Crystallinity of a Circular Plastic towards Packaging Material with Outstanding Barrier Properties. Macromolecular Rapid Communications, 2022, , 2200008.	3.9	0
9	Oneâ€Step Synthesis of Ligninâ€Based Triblock Copolymers as Highâ€Temperature and UVâ€Blocking Thermoplastic Elastomers. Angewandte Chemie - International Edition, 2022, 61, e202114946.	13.8	36
10	Synchronous Control of Chain Length/Sequence/Topology for Precision Synthesis of Cyclic Block Copolymers from Monomer Mixtures. Journal of the American Chemical Society, 2021, 143, 3318-3322.	13.7	64
11	Hybrid monomer design for unifying conflicting polymerizability, recyclability, and performance properties. CheM, 2021, 7, 670-685.	11.7	83
12	Toward a circular economy for plastics. One Earth, 2021, 4, 591-594.	6.8	5
13	Thermomechanical activation achieving orthogonal working/healing conditions of nanostructured tri-block copolymer thermosets. Cell Reports Physical Science, 2021, 2, 100483.	5.6	14
14	Dual-initiating and living frustrated Lewis pairs: expeditious synthesis of biobased thermoplastic elastomers. Nature Communications, 2021, 12, 4874.	12.8	28
15	Toughening Biodegradable Isotactic Poly(3-hydroxybutyrate) via Stereoselective Copolymerization of a Diolide and Lactones. Macromolecules, 2021, 54, 9401-9409.	4.8	25
16	Design principles for intrinsically circular polymers with tunable properties. CheM, 2021, 7, 2896-2912.	11.7	79
17	Catalyzed Chemical Synthesis of Unnatural Aromatic Polyhydroxyalkanoate and Aromaticâ€“Aliphatic PHAs with Record-High Glass-Transition and Decomposition Temperatures. Macromolecules, 2020, 53, 9906-9915.	4.8	19
18	High-performance pan-tactic polythioesters with intrinsic crystallinity and chemical recyclability. Science Advances, 2020, 6, eabc0495.	10.3	101

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19	Compounded Sequence Control in Polymerization of One-Pot Mixtures of Highly Reactive Acrylates by Differentiating Lewis Pairs. Journal of the American Chemical Society, 2020, 142, 5969-5973.	13.7	59
20	High chemical recyclability of vinyl lactone acrylic bioplastics. Polymer Chemistry, 2020, 11, 4942-4950.	3.9	25
21	Lewis Pair Polymerization: Perspective on a Ten-Year Journey. Macromolecules, 2020, 53, 6102-6122.	4.8	91
22	Biodegradable Polyhydroxyalkanoates by Stereoselective Copolymerization of Racemic Diolides: Stereocontrol and Polyolefinâ€Like Properties. Angewandte Chemie, 2020, 132, 7955-7964.	2.0	9
23	Lewis Pair Polymerization of Renewable Indenone to Erythro-Ditactic High-<i>T</i>_g Polymers with an Upcycling Avenue. Macromolecules, 2020, 53, 640-648.	4.8	20
24	Biodegradable Polyhydroxyalkanoates by Stereoselective Copolymerization of Racemic Diolides: Stereocontrol and Polyolefinâ€Like Properties. Angewandte Chemie - International Edition, 2020, 59, 7881-7890.	13.8	56
25	Packaging materials with desired mechanical and barrier properties and full chemical recyclability. Nature Communications, 2019, 10, 3559.	12.8	245
26	Diverse Catalytic Systems and Mechanistic Pathways for Hydrosilylative Reduction of CO₂. ChemSusChem, 2019, 12, 4543-4569.	6.8	55
27	Stereosequenced crystalline polyhydroxyalkanoates from diastereomeric monomer mixtures. Science, 2019, 366, 754-758.	12.6	125
28	All-Methacrylic Stereoregular Triblock Co-polymer Thermoplastic Elastomers Toughened by Supramolecular Stereocomplexation. Macromolecules, 2019, 52, 7313-7323.	4.8	9
29	Regioselective Hydrogenation of Itaconic Acid to Î³â€Isovalerolactone by Transitionâ€Metal Nanoparticle Catalysts. ChemSusChem, 2019, 12, 973-977.	6.8	4
30	Closed-Loop Polymer Upcycling by Installing Property-Enhancing Comonomer Sequences and Recyclability. Macromolecules, 2019, 52, 4570-4578.	4.8	42
31	Aluminium(<scp>iii</scp>) dialkyl 2,6-bisimino-4<i>R</i>-dihydropyridinates(âˆ'1): selective synthesis, structure and controlled dimerization. Dalton Transactions, 2019, 48, 9104-9116.	3.3	4
32	Difuranic Diols for Renewable Polymers with Pendent Furan Rings. ACS Sustainable Chemistry and Engineering, 2019, 7, 7035-7046.	6.7	20
33	Selective or living organopolymerization of a six-five bicyclic lactone to produce fully recyclable polyesters. Polymer Chemistry, 2019, 10, 3097-3106.	3.9	42
34	Future Directions for Sustainable Polymers. Trends in Chemistry, 2019, 1, 148-151.	8.5	146
35	Borane/silane frustrated Lewis pairs for polymerization of Î²-substituted Michael acceptors. Tetrahedron, 2019, 75, 1475-1480.	1.9	11
36	Catalystâ€Sidearmâ€Induced Stereoselectivity Switching in Polymerization of a Racemic Lactone for Stereocomplexed Crystalline Polymer with a Circular Life Cycle. Angewandte Chemie, 2019, 131, 1190-1194.	2.0	24

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37	Toward Infinitely Recyclable Plastics Derived from Renewable Cyclic Esters. CheM, 2019, 5, 284-312.	11.7	239
38	Thermally Regulated Recyclable Carbene Catalysts for Upgrading of Biomass Furaldehydes. ACS Sustainable Chemistry and Engineering, 2019, 7, 1980-1988.	6.7	15
39	Catalystâ€Sidearmâ€Induced Stereoselectivity Switching in Polymerization of a Racemic Lactone for Stereocomplexed Crystalline Polymer with a Circular Life Cycle. Angewandte Chemie - International Edition, 2019, 58, 1178-1182.	13.8	75
40	Catalytic coupling of biomass-derived aldehydes into intermediates for biofuels and materials. Catalysis Science and Technology, 2018, 8, 1777-1798.	4.1	55
41	Side Arm Twist on Zn-Catalyzed Hydrosilylative Reduction of CO₂ to Formate and Methanol Equivalents with High Selectivity and Activity. ACS Catalysis, 2018, 8, 4710-4718.	11.2	51
42	Living Group Transfer Polymerization of Renewable Î±-Methylene-Î³-butyrolactones Using Al(C6F5)3 Catalyst. Macromolecules, 2018, 51, 1296-1307.	4.8	30
43	A synthetic polymer system with repeatable chemical recyclability. Science, 2018, 360, 398-403.	12.6	437
44	Living Polymerization of Conjugated Polar Alkenes Catalyzed by <i>N</i>-Heterocyclic Olefin-Based Frustrated Lewis Pairs. ACS Catalysis, 2018, 8, 3571-3578.	11.2	99
45	Polymerization of Polar Monomers Mediated by Main-Group Lewis Acidâ€“Base Pairs. Chemical Reviews, 2018, 118, 10551-10616.	47.7	217
46	Catalytic Lewis Pair Polymerization of Renewable Methyl Crotonate to High-Molecular-Weight Polymers. ACS Catalysis, 2018, 8, 9877-9887.	11.2	60
47	Effects of Chain Ends on Thermal and Mechanical Properties and Recyclability of Poly(<i>Î³</i>â€butyrolactone). Journal of Polymer Science Part A, 2018, 56, 2271-2279.	2.3	29
48	Lewis Pair Polymerization for New Reactivity and Structure in Polymer Synthesis. Molecules, 2018, 23, 915.	3.8	2
49	Polymers at the Interface with Biology. Biomacromolecules, 2018, 19, 3151-3162.	5.4	10
50	Living Coordination Polymerization of a Sixâ€Five Bicyclic Lactone to Produce Completely Recyclable Polyester. Angewandte Chemie, 2018, 130, 12738-12742.	2.0	19
51	Living Coordination Polymerization of a Sixâ€Five Bicyclic Lactone to Produce Completely Recyclable Polyester. Angewandte Chemie - International Edition, 2018, 57, 12558-12562.	13.8	96
52	Chemical synthesis of perfectly isotactic and high melting bacterial poly(3-hydroxybutyrate) from bio-sourced racemic cyclic diolide. Nature Communications, 2018, 9, 2345.	12.8	115
53	Precision Polymer Synthesis via Chemoselective, Stereoselective, and Living/Controlled Polymerization of Polar Divinyl Monomers. Synlett, 2017, 28, 1028-1039.	1.8	13
54	Organocatalytic Coupling of Bromo-Lactide with Cyclic Ethers and Carbonates to Chiral Bromo-Diesters: NHC or Anion Catalysis?. ACS Catalysis, 2017, 7, 3929-3933.	11.2	4

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55	Chemically recyclable polymers: a circular economy approach to sustainability. Green Chemistry, 2017, 19, 3692-3706.	9.0	557
56	Living Ring-Opening Polymerization of Lactones by <i>N</i>-Heterocyclic Olefin/Al(C₆F₅)₃ Lewis Pairs: Structures of Intermediates, Kinetics, and Mechanism. Macromolecules, 2017, 50, 123-136.	4.8	109
57	â€œNonstrainedâ€•Î³-Butyrolactone-Based Copolyesters: Copolymerization Characteristics and Composition-Dependent (Thermal, Eutectic, Cocrystallization, and Degradation) Properties. Macromolecules, 2017, 50, 8469-8479.	4.8	65
58	Streamlined Synthesis of Biomonomers for Bioresourced Materials: Bisfuran Diacids, Diols, and Diamines via Common Bisfuran Dibromide Intermediates. Industrial & Engineering Chemistry Research, 2017, 56, 11380-11387.	3.7	5
59	Chemoselective Lewis pair polymerization of renewable multivinyl-functionalized Î³-butyrolactones. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20170003.	3.4	22
60	Increasing complexity in organopolymerization of multifunctional Î³-butyrolactones. European Polymer Journal, 2017, 95, 678-692.	5.4	14
61	Reactivity of Bridged and Nonbridged Zirconocenes toward Biorenewable Itaconic Esters and Anhydride. Organometallics, 2017, 36, 2922-2933.	2.3	3
62	Brush Polymer of Donor-Accepter Dyads via Adduct Formation between Lewis Base Polymer Donor and All Carbon Lewis Acid Acceptor. Molecules, 2017, 22, 1564.	3.8	4
63	Stereoregular Brush Polymers and Graft Copolymers by Chiral Zirconocene-Mediated Coordination Polymerization of P3HT Macromers. Polymers, 2017, 9, 139.	4.5	8
64	Robust Cross-Linked Stereocomplexes and C₆₀ Inclusion Complexes of Vinyl-Functionalized Stereoregular Polymers Derived from Chemo/Stereoselective Coordination Polymerization. Journal of the American Chemical Society, 2016, 138, 9533-9547.	13.7	30
65	Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie - International Edition, 2016, 55, 4188-4193.	13.8	217
66	Selective Reduction of CO₂ to CH₄ by Tandem Hydrosilylation with Mixed Al/B Catalysts. Journal of the American Chemical Society, 2016, 138, 5321-5333.	13.7	140
67	Frontispiz: Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie, 2016, 128, .	2.0	0
68	The Quest for Converting Biorenewable Bifunctional Î±-Methylene-Î³-butyrolactone into Degradable and Recyclable Polyester: Controlling Vinyl-Addition/Ring-Opening/Cross-Linking Pathways. Journal of the American Chemical Society, 2016, 138, 14326-14337.	13.7	132
69	Organocatalytic Cross-Coupling of Biofuranics to Multifunctional Difuranic C₁₁ Building Blocks. ACS Sustainable Chemistry and Engineering, 2016, 4, 4927-4936.	6.7	23
70	Recyclable montmorillonite-supported thiazolium ionic liquids for high-yielding and solvent-free upgrading of furfural and 5-hydroxymethylfurfural to C₁₀ and C₁₂ furoins. RSC Advances, 2016, 6, 76707-76715.	3.6	17
71	Polyesters and Poly(ester-urethane)s from Biobased Difuranic Polyols. ACS Sustainable Chemistry and Engineering, 2016, 4, 7118-7129.	6.7	38
72	Controlled or High-Speed Group Transfer Polymerization by Silyl Ketene Acetals without Catalyst. Macromolecules, 2016, 49, 8075-8087.	4.8	10

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73	Recyclable Earthâ€Abundant Metal Nanoparticle Catalysts for Selective Transfer Hydrogenation of Levulinic Acid to Produce <i>Î³</i>â€Valerolactone. ChemSusChem, 2016, 9, 181-185.	6.8	33
74	Organocatalytic and Chemoselective Polymerization of Multivinyl-Functionalized Î³-Butyrolactones. ACS Macro Letters, 2016, 5, 772-776.	4.8	31
75	Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie, 2016, 128, 4260-4265.	2.0	52
76	Proton-Transfer Polymerization by N-Heterocyclic Carbenes: Monomer and Catalyst Scopes and Mechanism for Converting Dimethacrylates into Unsaturated Polyesters. Journal of the American Chemical Society, 2016, 138, 2021-2035.	13.7	51
77	Frontispiece: Towards Truly Sustainable Polymers: A Metalâ€Free Recyclable Polyester from Biorenewable Nonâ€Strained Î³â€Butyrolactone. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
78	Unsolvated Al(C₆F₅)₃: structural features and electronic interaction with ferrocene. Dalton Transactions, 2016, 45, 6105-6110.	3.3	41
79	Completely recyclable biopolymers with linear and cyclic topologies via ring-opening polymerization of Î³-butyrolactone. Nature Chemistry, 2016, 8, 42-49.	13.6	461
80	Elusive Silaneâ€"Alane Complex [Siï£¿Hâ‹…â‹…â‹…Al]: Isolation, Characterization, and Multifaceted Frustrated Lewis Pair Type Catalysis. Angewandte Chemie - International Edition, 2015, 54, 6842-6846.	13.8	106
81	Silylium dual catalysis in living polymerization of methacrylates via <i>In situ</i> hydrosilylation of monomer. Journal of Polymer Science Part A, 2015, 53, 1895-1903.	2.3	19
82	Organocatalytic Polymerization of Furfuryl Methacrylate and Postâ€Dielsâ€"Alder Click Reaction to Crossâ€Linked Materials. Macromolecular Chemistry and Physics, 2015, 216, 1421-1430.	2.2	17
83	Reactivity of Amine/E(C6F5)3 (E = B, Al) Lewis Pairs toward Linear and Cyclic Acrylic Monomers: Hydrogenation vs. Polymerization. Molecules, 2015, 20, 9575-9590.	3.8	39
84	Recyclable Supported Carbene Catalysts for High-Yielding Self-Condensation of Furaldehydes into C₁₀ and C₁₂ Furoins. ACS Catalysis, 2015, 5, 6907-6917.	11.2	54
85	Polymeric carbon Lewis baseâ€"acid adducts: poly(NHCâ€"C₆₀). Polymer Chemistry, 2015, 6, 1741-1750.	3.9	5
86	Lewis Pair Polymerization of Acrylic Monomers by <i>N</i>â€Heterocyclic Carbenes and B(C₆F₅)₃. Israel Journal of Chemistry, 2015, 55, 216-225.	2.3	42
87	Chemoselective, Stereospecific, and Living Polymerization of Polar Divinyl Monomers by Chiral Zirconocenium Catalysts. Journal of the American Chemical Society, 2015, 137, 9469-9480.	13.7	47
88	Organocatalytic Upgrading of Furfural and 5-Hydroxymethyl Furfural to C10 and C12 Furoins with Quantitative Yield and Atom-Efficiency. International Journal of Molecular Sciences, 2015, 16, 7143-7158.	4.1	38
89	Non-Amide Kinetic Hydrate Inhibitors: Investigation of the Performance of a Series of Poly(vinylphosphonate) Diesters. Energy & Fuels, 2015, 29, 2336-2341.	5.1	19
90	Cationic Zirconoceneâ€Mediated Catalytic Hâ€Shuttling Polymerization of Polar Vinyl Monomers: Scopes of Catalyst, Chainâ€Transfer Agent, and Monomer. Macromolecular Symposia, 2015, 349, 104-114.	0.7	6

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91	Polymerizability of <i>Exo</i>â€methyleneâ€lactide toward vinyl addition and ring opening. Journal of Polymer Science Part A, 2015, 53, 1523-1532.	2.3	22
92	From <i>meso</i>-Lactide to Isotactic Polylactide: Epimerization by B/N Lewis Pairs and Kinetic Resolution by Organic Catalysts. Journal of the American Chemical Society, 2015, 137, 12506-12509.	13.7	129
93	An interchangeable homogeneous â‡" heterogeneous catalyst system for furfural upgrading. Green Chemistry, 2015, 17, 5149-5153.	9.0	18
94	Organopolymerization of naturally occurring Tulipalin B: a hydroxyl-functionalized methylene butyrolactone. Organic Chemistry Frontiers, 2015, 2, 1625-1631.	4.5	12
95	Synthesis of Pyridine- and 2-Oxazoline-Functionalized Vinyl Polymers by Alane-Based Frustrated Lewis Pairs. Synlett, 2014, 25, 1534-1538.	1.8	63
96	Organocatalysis in biorefining for biomass conversion and upgrading. Green Chemistry, 2014, 16, 964-981.	9.0	92
97	Chain Propagation and Termination Mechanisms for Polymerization of Conjugated Polar Alkenes by [Al]-Based Frustrated Lewis Pairs. Macromolecules, 2014, 47, 7765-7774.	4.8	87
98	Protonâ€Transfer Polymerization (HTP): Converting Methacrylates to Polyesters by an Nâ€Heterocyclic Carbene. Angewandte Chemie - International Edition, 2014, 53, 11900-11906.	13.8	49
99	Synthesis of Î²-methyl-Î±-methylene-Î³-butyrolactone from biorenewable itaconic acid. Organic Chemistry Frontiers, 2014, 1, 230.	4.5	37
100	High-speed organocatalytic polymerization of a renewable methylene butyrolactone by a phosphazene superbase. Polymer Chemistry, 2014, 5, 3261.	3.9	26
101	Unusual Câ€"C Bond Cleavage in the Formation of Amine-Bis(phenoxy) Group 4 Benzyl Complexes: Mechanism of Formation and Application to Stereospecific Polymerization. Organometallics, 2014, 33, 4118-4130.	2.3	10
102	Coordination Ring-Opening Copolymerization of Naturally Renewable Î±-Methylene-Î³-butyrolactone into Unsaturated Polyesters. Macromolecules, 2014, 47, 3614-3624.	4.8	63
103	Integrated Catalytic Process for Biomass Conversion and Upgrading to C₁₂ Furoin and Alkane Fuel. ACS Catalysis, 2014, 4, 1302-1310.	11.2	94
104	Probing Site Cooperativity of Frustrated Phosphine/Borane Lewis Pairs by a Polymerization Study. Journal of the American Chemical Society, 2014, 136, 1774-1777.	13.7	123
105	Cationic kinetic hydrate inhibitors and the effect on performance of incorporating cationic monomers into N-vinyl lactam copolymers. Chemical Engineering Science, 2013, 102, 424-431.	3.8	31
106	Chromium(0) Nanoparticles as Effective Catalyst for the Conversion of Glucose into 5â€Hydroxymethylfurfural. ChemSusChem, 2013, 6, 61-64.	6.8	58
107	Role of N-heterocyclic carbenes in glucose conversion into HMF by Cr catalysts in ionic liquids. Applied Catalysis A: General, 2013, 460-461, 1-7.	4.3	22
108	Polymeric ionic liquid (PIL)-supported recyclable catalysts for biomass conversion into HMF. Biomass and Bioenergy, 2013, 48, 181-190.	5.7	36

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109	Organocatalytic Conjugate-Addition Polymerization of Linear and Cyclic Acrylic Monomers by N-Heterocyclic Carbenes: Mechanisms of Chain Initiation, Propagation, and Termination. Journal of the American Chemical Society, 2013, 135, 17925-17942.	13.7	91
110	Rare-Earth Half-Sandwich Dialkyl and Homoleptic Trialkyl Complexes for Rapid and Stereoselective Polymerization of a Conjugated Polar Olefin. Organometallics, 2013, 32, 1459-1465.	2.3	23
111	Diesel and Alkane Fuels From Biomass by Organocatalysis and Metalâ€“Acid Tandem Catalysis. ChemSusChem, 2013, 6, 2236-2239.	6.8	89
112	Organocatalytic upgrading of the key biorefining building block by a catalytic ionic liquid and N-heterocyclic carbenes. Green Chemistry, 2012, 14, 2738.	9.0	66
113	Stereoselectivity in Metallocene-Catalyzed Coordination Polymerization of Renewable Methylene Butyrolactones: From Stereo-random to Stereo-perfect Polymers. Journal of the American Chemical Society, 2012, 134, 7278-7281.	13.7	56
114	Lewis pair polymerization by classical and frustrated Lewis pairs: acid, base and monomer scope and polymerization mechanism. Dalton Transactions, 2012, 41, 9119.	3.3	191
115	Ligand-Free Magnesium Catalyst System: Immortal Polymerization of <scp>l</scp>-Lactide with High Catalyst Efficiency and Structure of Active Intermediates. Macromolecules, 2012, 45, 6957-6965.	4.8	75
116	Polymerization by Classical and Frustrated Lewis Pairs. Topics in Current Chemistry, 2012, 334, 239-260.	4.0	66
117	In situ stereocomplexing polymerization of methyl methacrylate by diastereospecific metallocene catalyst pairs. Polymer Chemistry, 2012, 3, 3247.	3.9	9
118	<i>ansa</i>â€Rareâ€Earthâ€Metal Catalysts for Rapid and Stereoselective Polymerization of Renewable Methylene Methylbutyrolactones. Chemistry - A European Journal, 2012, 18, 3345-3354.	3.3	31
119	Conjugateâ€Addition Organopolymerization: Rapid Production of Acrylic Bioplastics by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2012, 51, 2465-2469.	13.8	125
120	Hydride-Shuttling Chain-Transfer Polymerization of Methacrylates Catalyzed by Metallocenium Enolate Metallacycleâ^'Hydridoborate Ion Pairs. Journal of the American Chemical Society, 2011, 133, 1572-1588.	13.7	19
121	Dinuclear Silylium-enolate Bifunctional Active Species: Remarkable Activity and Stereoselectivity toward Polymerization of Methacrylate and Renewable Methylene Butyrolactone Monomers. Journal of the American Chemical Society, 2011, 133, 13674-13684.	13.7	70
122	Cinchona Alkaloids as Stereoselective Organocatalysts for the Partial Kinetic Resolution Polymerization of <i>rac</i>-Lactide. Macromolecules, 2011, 44, 4116-4124.	4.8	70
123	Synthesis of highly syndiotactic polymers by discrete catalysts or initiators. Polymer Chemistry, 2011, 2, 2462.	3.9	33
124	Anionic polymerization of MMA and renewable methylene butyrolactones by resorbable potassium salts. Journal of Polymer Science Part A, 2011, 49, 2008-2017.	2.3	43
125	Synthesis of helical poly(phenylacetylene)s bearing cinchona alkaloid pendants and their application to asymmetric organocatalysis. Journal of Polymer Science Part A, 2011, 49, 5192-5198.	2.3	49
126	Highâ€Speed Living Polymerization of Polar Vinyl Monomers by Selfâ€Healing Silylium Catalysts. Chemistry - A European Journal, 2010, 16, 10462-10473.	3.3	35

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127	Alaneâ€Based Classical and Frustrated Lewis Pairs in Polymer Synthesis: Rapid Polymerization of MMA and Naturally Renewable Methylene Butyrolactones into Highâ€Molecularâ€Weight Polymers. Angewandte Chemie - International Edition, 2010, 49, 10158-10162.	13.8	264
128	Silyliumâ€"metallocenium dications derived from hydrosilyl-bridged metallocenes and roles in polymerization of polar and nonpolar vinyl monomers. Journal of Organometallic Chemistry, 2010, 695, 1464-1471.	1.8	5
129	Ionic Liquidâˆ'Water Mixtures: Enhanced <i>K</i>_w for Efficient Cellulosic Biomass Conversion. Energy & Fuels, 2010, 24, 2410-2417.	5.1	143
130	Effect of Polymer Tacticity on the Performance of Poly(<i>N</i>,<i>N</i>-dialkylacrylamide)s as Kinetic Hydrate Inhibitors. Energy & Fuels, 2010, 24, 2554-2562.	5.1	39
131	Polymerization of Naturally Renewable Methylene Butyrolactones by Half-Sandwich Indenyl Rare Earth Metal Dialkyls with Exceptional Activity. Macromolecules, 2010, 43, 9328-9336.	4.8	41
132	Catalyst-Site-Controlled Coordination Polymerization of Polar Vinyl Monomers to Highly Syndiotactic Polymers. Journal of the American Chemical Society, 2010, 132, 2695-2709.	13.7	60
133	Stereospecific Polymerization of Chiral Oxazolidinone-Functionalized Alkenes. Macromolecules, 2010, 43, 7504-7514.	4.8	22
134	Living Polymerization of Naturally Renewable Butyrolactone-Based Vinylidene Monomers by Ambiphilic Silicon Propagators. Macromolecules, 2010, 43, 4902-4908.	4.8	92
135	Coordination polymerization of renewable butyrolactone-based vinyl monomers by lanthanide and early metal catalysts. Dalton Transactions, 2010, 39, 6710.	3.3	53
136	Stereoregular Methacrylate-POSS Hybrid Polymers: Syntheses and Nanostructured Assemblies. Chemistry of Materials, 2009, 21, 5743-5753.	6.7	51
137	Coordinationâˆ'Addition Polymerization and Kinetic Resolution of Methacrylamides by Chiral Metallocene Catalysts. Macromolecules, 2009, 42, 1462-1471.	4.8	30
138	Coordination Polymerization of Polar Vinyl Monomers by Single-Site Metal Catalysts. Chemical Reviews, 2009, 109, 5157-5214.	47.7	513
139	ION-PAIRING POLYMERIZATION. Comments on Inorganic Chemistry, 2009, 30, 7-27.	5.2	6
140	Transformation of polymerization of polar vinyl monomers by discrete and hybrid metal catalysts. Dalton Transactions, 2009, , 8784.	3.3	20
141	Structureâˆ'Reactivity Relationships in Bimolecular-Activated Monomer Polymerization of (Meth)acrylates Using Oxidatively Activated Group 14 Ketene Acetals. Macromolecules, 2008, 41, 6353-6360.	4.8	58
142	Metallocene-Mediated Asymmetric Coordination Polymerization of Polar Vinyl Monomers to Optically Active, Stereoregular Polymers. Macromolecules, 2008, 41, 3405-3416.	4.8	50
143	Metallocene-Catalyzed Polymerization of Methacrylates to Highly Syndiotactic Polymers at High Temperatures. Journal of the American Chemical Society, 2008, 130, 2463-2465.	13.7	37
144	Syndioselective MMA Polymerization by Group 4 Constrained Geometry Catalysts: A Combined Experimental and Theoretical Study. Macromolecules, 2008, 41, 6910-6919.	4.8	22

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145	Controlled Polymerization of Methacrylates to High Molecular Weight Polymers Using Oxidatively Activated Group Transfer Polymerization Initiators. Macromolecules, 2008, 41, 36-42.	4.8	68
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