Donald Darensbourg

List of Publications by Year
in descending order

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433	23,676	9264 74	12272 133
papers	citations	h-index	g-index

557	557	557	10005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymerization of Epoxides. , 2022, , 431-455.		1
2	Explorations into the sustainable synthesis of cyclic and polymeric carbonates and thiocarbonates from eugenol-derived monomers and their reactions with CO₂, COS, or CS₂. Green Chemistry, 2022, 24, 2535-2541.	9.0	11
3	Kinetic and Computational Analysis of CO Substitution in a Dinuclear Osmium Carbonyl Complex: Intersection between Dissociative and Dissociative-Interchange Mechanisms. Inorganic Chemistry, 2022, 61, 246-253.	4.0	2
4	Amphiphilic Polycarbonate Micellar Rhenium Catalysts for Efficient Photocatalytic CO₂ Reduction in Aqueous Media. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
5	Studies of the Interactions of the Tungsten Pentacarbonyl Fluoride Anion with Carbon Dioxide. Polyhedron, 2022, , 115852.	2.2	0
6	Progress in the catalytic reactions of CO₂ and epoxides to selectively provide cyclic or polymeric carbonates. Green Chemistry, 2022, 24, 5007-5034.	9.0	59
7	Copolymerization of propylene oxide and 13CO2 to afford completely alternating regioregular 13C-labeled Poly(propylene carbonate). Polymer Journal, 2021, 53, 215-218.	2.7	3
8	Randomly Distributed Sulfur Atoms in the Main Chains of CO₂â€Based Polycarbonates: Enhanced Optical Properties. Angewandte Chemie, 2021, 133, 4361-4367.	2.0	7
9	Randomly Distributed Sulfur Atoms in the Main Chains of CO₂â€Based Polycarbonates: Enhanced Optical Properties. Angewandte Chemie - International Edition, 2021, 60, 4315-4321.	13.8	31
10	Sustainable synthesis of CO₂-derived polycarbonates from <scp>d</scp>-xylose. Polymer Chemistry, 2021, 12, 5271-5278.	3.9	17
11	TEMPO Containing Radical Polymonothiocarbonate Polymers with Regioâ€and Stereoâ€Regularities: Synthesis, Characterization, and Electrical Conductivity Studies. Angewandte Chemie - International Edition, 2021, 60, 20734-20738.	13.8	6
12	TEMPO Containing Radical Polymonothiocarbonate Polymers with Regioâ€and Stereoâ€Regularities: Synthesis, Characterization, and Electrical Conductivity Studies. Angewandte Chemie, 2021, 133, 20902-20906.	2.0	0
13	Metalâ€Templated, Tight Loop Conformation of a Cysâ€Xâ€Cys Biomimetic Assembles a Dimanganese Complex. Angewandte Chemie, 2020, 132, 3674-3678.	2.0	0
14	Placing Single-Metal Complexes into the Backbone of CO2-Based Polycarbonate Chains, Construction of Nanostructures for Prospective Micellar Catalysis. Organometallics, 2020, 39, 1612-1618.	2.3	17
15	Synthesis of terpyridine-containing polycarbonates with post polymerization providing water-soluble and micellar polymers and their metal complexes. Polymer Chemistry, 2020, 11, 4699-4705.	3.9	7
16	Catalysis of carbon dioxide and oxetanes to produce aliphatic polycarbonates. Green Chemistry, 2020, 22, 7707-7724.	9.0	32
17	Facile Synthesis of Wellâ€Defined Branched Sulfurâ€Containing Copolymers: Oneâ€Pot Copolymerization of Carbonyl Sulfide and Epoxide. Angewandte Chemie - International Edition, 2020, 59, 13633-13637.	13.8	23
18	Zwitterionic Alternating Polymerization to Generate Semicrystalline and Recyclable Cyclic Polythiourethanes. ACS Macro Letters, 2020, 9, 866-871.	4.8	27

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19	Facile Synthesis of Wellâ€Defined Branched Sulfurâ€Containing Copolymers: Oneâ€Pot Copolymerization of Carbonyl Sulfide and Epoxide. Angewandte Chemie, 2020, 132, 13735-13739.	2.0	5
20	Non-Isocyanate and Catalyst-Free Synthesis of a Recyclable Polythiourethane with Cyclic Structure. ACS Sustainable Chemistry and Engineering, 2020, 8, 5693-5703.	6.7	27
21	Synthetic Metallodithiolato Ligands as Pendant Bases in [Fe^IFe^I], [Fe^I[Fe(NO)]^{II}], and [(Î¼-H)Fe^{II}Fe^{II}] Complexes. Inorganic Chemistry, 2020, 59, 3753-3763.	4.0	5
22	Metalâ€Templated, Tight Loop Conformation of a Cysâ€Xâ€Cys Biomimetic Assembles a Dimanganese Complex. Angewandte Chemie - International Edition, 2020, 59, 3645-3649.	13.8	2
23	CO2-Based Block Copolymers: Present and Future Designs. Trends in Chemistry, 2020, 2, 750-763.	8.5	78
24	Approach for Introducing a Single Metal Complex into a Polymer Chain: Metallo-Chain Transfer Agents in CO₂ or COS/Epoxide Copolymerization Processes. Macromolecules, 2019, 52, 5217-5222.	4.8	13
25	Catalyst-Free Construction of Versatile and Functional CS₂-Based Polythioureas: Characteristics from Self-Healing to Heavy Metal Absorption. Macromolecules, 2019, 52, 8596-8603.	4.8	31
26	Thermal Dehydrogenation of Dimethylamine Borane Catalyzed by a Bifunctional Rhenium Complex. Organometallics, 2019, 38, 2602-2609.	2.3	12
27	Chain transfer agents utilized in epoxide and CO₂ copolymerization processes. Green Chemistry, 2019, 21, 2214-2223.	9.0	88
28	Kinetic studies of thermal dissociation of carbon monoxide ligands from manganese tri- and tetra-carbonyl derivatives containing the bulky dipiperidylmethane ligand, CH2Pip2. Inorganica Chimica Acta, 2019, 484, 443-449.	2.4	3
29	Comments on the depolymerization of polycarbonates derived from epoxides and carbon dioxide: A mini review. Polymer Degradation and Stability, 2018, 149, 45-51.	5.8	41
30	Synthesis of CO₂-Based Block Copolymers via Chain Transfer Polymerization Using Macroinitiators: Activity, Blocking Efficiency, and Nanostructure. Macromolecules, 2018, 51, 791-800.	4.8	35
31	Construction of Autonomic Self-Healing CO₂-Based Polycarbonates via One-Pot Tandem Synthetic Strategy. Macromolecules, 2018, 51, 1308-1313.	4.8	40
32	One-Pot Synthesis of Ion-Containing CO₂-Based Polycarbonates Using Protic Ionic Liquids as Chain Transfer Agents. Macromolecules, 2018, 51, 9122-9130.	4.8	20
33	Oxygen atom exchange in rhenium bipyridine and phenanthroline tetracarbonyl cations with H218O. Polyhedron, 2018, 156, 58-63.	2.2	0
34	Carbon dioxide-based functional polycarbonates: Metal catalyzed copolymerization of CO2 and epoxides. Coordination Chemistry Reviews, 2018, 372, 85-100.	18.8	196
35	Design of Betaine Functional Catalyst for Efficient Copolymerization of Oxirane and CO2. Macromolecules, 2018, 51, 6057-6062.	4.8	10
36	Cyanide Docking and Linkage Isomerism in Models for the Artificial [FeFe]-Hydrogenase Maturation Process. Journal of the American Chemical Society, 2018, 140, 9904-9911.	13.7	7

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37	Directed Self-Assembly of Polystyrene-b-poly(propylene carbonate) on Chemical Patterns via Thermal Annealing for Next Generation Lithography. Nano Letters, 2017, 17, 1233-1239.	9.1	97
38	Switchable catalytic processes involving the copolymerization of epoxides and carbon dioxide for the preparation of block polymers. Inorganic Chemistry Frontiers, 2017, 4, 412-419.	6.0	30
39	Perfectly Alternating and Regioselective Copolymerization of Carbonyl Sulfide and Epoxides by Metalâ€Free Lewis Pairs. Angewandte Chemie - International Edition, 2017, 56, 5774-5779.	13.8	162
40	Perfectly Alternating and Regioselective Copolymerization of Carbonyl Sulfide and Epoxides by Metalâ€Free Lewis Pairs. Angewandte Chemie, 2017, 129, 5868-5873.	2.0	31
41	Mechanistic Study of Regio-Defects in the Copolymerization of Propylene Oxide/Carbonyl Sulfide Catalyzed by (Salen)CrX Complexes. Macromolecules, 2017, 50, 8426-8437.	4.8	24
42	A quest for polycarbonates provided via sustainable epoxide/CO₂copolymerization processes. Green Chemistry, 2017, 19, 4990-5011.	9.0	221
43	Copolymerization of Epoxides and CO₂: Polymer Chemistry for Incorporation in Undergraduate Inorganic Chemistry. Journal of Chemical Education, 2017, 94, 1691-1695.	2.3	17
44	Copolymerization of carbon dioxide and cyclohexene oxide catalyzed by chromium complexes bearing semirigid [ONSO]-type ligands. Journal of Polymer Science Part A, 2016, 54, 1938-1944.	2.3	26
45	Poly(monothiocarbonate)s from the Alternating and Regioselective Copolymerization of Carbonyl Sulfide with Epoxides. Accounts of Chemical Research, 2016, 49, 2209-2219.	15.6	142
46	Poly(trimethylene monothiocarbonate) from the Alternating Copolymerization of COS and Oxetane: A Semicrystalline Copolymer. Macromolecules, 2016, 49, 8863-8868.	4.8	52
47	Mechanistic Insights into Water-Mediated Tandem Catalysis of Metal-Coordination CO₂/Epoxide Copolymerization and Organocatalytic Ring-Opening Polymerization: One-Pot, Two Steps, and Three Catalysis Cycles for Triblock Copolymers Synthesis. Macromolecules, 2016, 49, 807-814.	4.8	108
48	Environmentally Benign CO₂-Based Copolymers: Degradable Polycarbonates Derived from Dihydroxybutyric Acid and Their Platinumâ€“Polymer Conjugates. Journal of the American Chemical Society, 2016, 138, 4626-4633.	13.7	49
49	Synthesis of cyclic monothiocarbonates via the coupling reaction of carbonyl sulfide (COS) with epoxides. Catalysis Science and Technology, 2016, 6, 188-192.	4.1	22
50	An Investigation of the Pathways for Oxygen/Sulfur Scramblings during the Copolymerization of Carbon Disulfide and Oxetane. Macromolecules, 2015, 48, 5526-5532.	4.8	49
51	Construction of Versatile and Functional Nanostructures Derived from CO₂â€based Polycarbonates. Angewandte Chemie - International Edition, 2015, 54, 10206-10210.	13.8	84
52	Dramatic Behavioral Differences of the Copolymerization Reactions of 1,4-Cyclohexadiene and 1,3-Cyclohexadiene Oxides with Carbon Dioxide. Macromolecules, 2015, 48, 1679-1687.	4.8	40
53	Syntheses and Structures of [CH₂(NC_nH_{2n})₂]Mo(CO)₄ (n = 4,5) Complexes with Bis(cycloamine) Ligands Easily Prepared from CH₂Cl₂. Organometallics, 2015, 34, 3598-3602.	2.3	11
54	Carbon Dioxide Copolymerization Study with a Sterically Encumbering Naphthalene-Derived Oxide. ACS Catalysis, 2015, 5, 5421-5430.	11.2	20

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55	Highly regioselective and alternating copolymerization of carbonyl sulfide with phenyl glycidyl ether. Polymer Chemistry, 2015, 6, 6955-6958.	3.9	38
56	An Examination of the Steric and Electronic Effects in the Copolymerization of Carbonyl Sulfide and Styrene Oxide. Macromolecules, 2015, 48, 6057-6062.	4.8	46
57	Terpolymerization of propylene oxide and vinyl oxides with CO₂: copolymer cross-linking and surface modification via thiolâ€“ene click chemistry. Polymer Chemistry, 2015, 6, 1768-1776.	3.9	50
58	Kinetics of the (salen)Cr(<scp>iii</scp>)- and (salen)Co(<scp>iii</scp>)-catalyzed copolymerization of epoxides with CO₂, and of the accompanying degradation reactions. Polymer Chemistry, 2015, 6, 1103-1117.	3.9	37
59	Iron Complexes Containing Electrochemically Active Diazocycle-bis(di-tert-butyl-phenol) Ligands. Journal of the Brazilian Chemical Society, 2014, , .	0.6	0
60	A concise review of computational studies of the carbon dioxideâ€“epoxide copolymerization reactions. Polymer Chemistry, 2014, 5, 3949-3962.	3.9	107
61	Sequestering CO2 for Short-Term Storage in MOFs: Copolymer Synthesis with Oxiranes. ACS Catalysis, 2014, 4, 1511-1515.	11.2	47
62	Personal Adventures in the Synthesis of Copolymers from Carbon Dioxide and Cyclic Ethers. Advances in Inorganic Chemistry, 2014, , 1-23.	1.0	7
63	Copolymerization and Cycloaddition Products Derived from Coupling Reactions of 1,2-Epoxy-4-cyclohexene and Carbon Dioxide. Postpolymerization Functionalization via Thiolâ€“Ene Click Reactions. Macromolecules, 2014, 47, 7347-7353.	4.8	63
64	Hammett correlations as test of mechanism of CO-induced disulfide elimination from dinitrosyl iron complexes. Chemical Science, 2014, 5, 3795-3802.	7.4	13
65	Postpolymerization Functionalization of Copolymers Produced from Carbon Dioxide and 2-Vinyloxirane: Amphiphilic/Water-Soluble CO₂-Based Polycarbonates. Macromolecules, 2014, 47, 3806-3813.	4.8	64
66	Availability of Other Aliphatic Polycarbonates Derived from Geometric Isomers of Butene Oxide and Carbon Dioxide Coupling Reactions. Macromolecules, 2014, 47, 4943-4948.	4.8	35
67	Thermal and Photochemical Reactivity of Manganese Tricarbonyl and Tetracarbonyl Complexes with a Bulky Diazabutadiene Ligand. Inorganic Chemistry, 2014, 53, 4081-4088.	4.0	50
68	Kinetics and thermodynamics of the decarboxylation of 1,2-glycerol carbonate to produce glycidol: computational insights. Green Chemistry, 2014, 16, 247-252.	9.0	19
69	Oxygen/Sulfur Scrambling During the Copolymerization of Cyclopentene Oxide and Carbon Disulfide: Selectivity for Copolymer vs Cyclic [Thio]carbonates. Macromolecules, 2013, 46, 8102-8110.	4.8	55
70	Light-Enhanced Displacement of Methyl Acrylate from Iron Carbonyl: Investigation of the Reactive Intermediate via Rapid-Scan Fourier Transform Infrared and Computational Studies. Inorganic Chemistry, 2013, 52, 12655-12660.	4.0	3
71	Construction of Ultrastable Porphyrin Zr Metalâ€“Organic Frameworks through Linker Elimination. Journal of the American Chemical Society, 2013, 135, 17105-17110.	13.7	880
72	Catalytic Coupling of Cyclopentene Oxide and CO₂ Utilizing Bifunctional (salen)Co(III) and (salen)Cr(III) Catalysts: Comparative Processes Involving Binary (salen)Cr(III) Analogs. ACS Catalysis, 2013, 3, 3050-3057.	11.2	77

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73	Synthesis of CO₂-Derived Poly(indene carbonate) from Indene Oxide Utilizing Bifunctional Cobalt(III) Catalysts. Macromolecules, 2013, 46, 5929-5934.	4.8	47
74	An Efficient Method of Depolymerization of Poly(cyclopentene carbonate) to Its Comonomers: Cyclopentene Oxide and Carbon Dioxide. Macromolecules, 2013, 46, 5850-5855.	4.8	82
75	Kinetic and Thermodynamic Investigations of CO2Insertion Reactions into Ru-Me and Ru-H Bonds - An Experimental and Computational Study. European Journal of Inorganic Chemistry, 2013, 2013, 4024-4031.	2.0	14
76	Estimating the strength of the Mâ€“Hâ€“B interaction: a kinetic approach. Dalton Transactions, 2013, 42, 6720.	3.3	8
77	Thermodynamics of the Carbon Dioxideâ€“Epoxide Copolymerization and Kinetics of the Metal-Free Degradation: A Computational Study. Macromolecules, 2013, 46, 83-95.	4.8	73
78	Relative basicities of cyclic ethers and esters. Chemistry of importance to ring-opening co- and terpolymerization reactions. Polyhedron, 2013, 58, 139-143.	2.2	26
79	Crystalline CO2 Copolymer from Epichlorohydrin via Co(III)-Complex-Mediated Stereospecific Polymerization. Macromolecules, 2013, 46, 2128-2133.	4.8	82
80	Depolymerization of Poly(indene carbonate). A Unique Degradation Pathway. Macromolecules, 2013, 46, 3228-3233.	4.8	37
81	Carbon Monoxide Induced Reductive Elimination of Disulfide in an N-Heterocyclic Carbene (NHC)/ Thiolate Dinitrosyl Iron Complex (DNIC). Journal of the American Chemical Society, 2013, 135, 8423-8430.	13.7	25
82	Base initiated depolymerization of polycarbonates to epoxide and carbon dioxide co-monomers: a computational study. Green Chemistry, 2013, 15, 1578.	9.0	53
83	Acrylic Acid Derivatives of Group 8 Metal Carbonyls: A Structural and Kinetic Study. Inorganic Chemistry, 2013, 52, 5438-5447.	4.0	11
84	A Oneâ€Pot Synthesis of a Triblock Copolymer from Propylene Oxide/Carbon Dioxide and Lactide: Intermediacy of Polyol Initiators. Angewandte Chemie - International Edition, 2013, 52, 10602-10606.	13.8	150
85	Depolymerization of Polycarbonates Derived from Carbon Dioxide and Epoxides to Provide Cyclic Carbonates. A Kinetic Study. Macromolecules, 2012, 45, 5916-5922.	4.8	97
86	Kinetic Studies of the Alternating Copolymerization of Cyclic Acid Anhydrides and Epoxides, and the Terpolymerization of Cyclic Acid Anhydrides, Epoxides, and CO₂ Catalyzed by (salen)Cr^{III}Cl. Macromolecules, 2012, 45, 2242-2248.	4.8	207
87	Time Resolved Infrared Spectroscopy: Kinetic Studies of Weakly Binding Ligands in an Ironâ€“Iron Hydrogenase Model Compound. Inorganic Chemistry, 2012, 51, 7362-7369.	4.0	11
88	Mechanism of CO Displacement from an Unusually Labile Rhenium Complex: An Experimental and Theoretical Investigation. Inorganic Chemistry, 2012, 51, 13041-13049.	4.0	12
89	Cobalt catalysts for the coupling of CO₂and epoxides to provide polycarbonates and cyclic carbonates. Chemical Society Reviews, 2012, 41, 1462-1484.	38.1	1,017
90	Formation of Cyclic Carbonates from Carbon Dioxide and Epoxides Coupling Reactions Efficiently Catalyzed by Robust, Recyclable One-Component Aluminum-Salen Complexes. ACS Catalysis, 2012, 2, 2029-2035.	11.2	185

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91	What's new with CO2? Recent advances in its copolymerization with oxiranes. Green Chemistry, 2012, 14, 2665.	9.0	299
92	Tandem Metal-Coordination Copolymerization and Organocatalytic Ring-Opening Polymerization via Water To Synthesize Diblock Copolymers of Styrene Oxide/CO₂ and Lactide. Journal of the American Chemical Society, 2012, 134, 17739-17745.	13.7	149
93	Photochemically Generated Transients from Î²²- and Î²³-Triphos Derivatives of Group 6 Metal Carbonyls and Their Reactivity with Olefins. Organometallics, 2012, 31, 3163-3170.	2.3	4
94	Time-Resolved Infrared Spectroscopy Studies of Olefin Binding in Photogenerated CpRu(CO)X (X = Cl, I) Transients. Organometallics, 2012, 31, 3972-3979.	2.3	4
95	(Salan)CrCl, an effective catalyst for the copolymerization and terpolymerization of epoxides and carbon dioxide. Journal of Polymer Science Part A, 2012, 50, 127-133.	2.3	58
96	Synthesis of Poly(indene carbonate) from Indene Oxide and Carbon Dioxideâ€"A Polycarbonate with a Rigid Backbone. Journal of the American Chemical Society, 2011, 133, 18610-18613.	13.7	86
97	Perfectly Alternating Copolymerization of CO₂ and Epichlorohydrin Using Cobalt(III)-Based Catalyst Systems. Journal of the American Chemical Society, 2011, 133, 15191-15199.	13.7	198
98	Alternating copolymerization of CO2 and styrene oxide with Co(iii)-based catalyst systems: differences between styrene oxide and propylene oxide. Energy and Environmental Science, 2011, 4, 5084.	30.8	94
99	Aliphatic Polycarbonates Produced from the Coupling of Carbon Dioxide and Oxetanes and Their Depolymerization via Cyclic Carbonate Formation. Macromolecules, 2011, 44, 2568-2576.	4.8	62
100	Ring-Opening Polymerization of Cyclic Esters and Trimethylene Carbonate Catalyzed by Aluminum Half-Salen Complexes. Inorganic Chemistry, 2011, 50, 6775-6787.	4.0	108
101	Ligand Displacement from TpMn(CO)₂L Complexes: A Large Rate Enhancement in Comparison to the CpMn(CO)₂L Analogues. Organometallics, 2011, 30, 3054-3063.	2.3	13
102	Salen Metal Complexes as Catalysts for the Synthesis of Polycarbonates from Cyclic Ethers and Carbon Dioxide. Advances in Polymer Science, 2011, , 1-27.	0.8	12
103	Ring-Opening Polymerization of <scp>l</scp>-Lactide and Îµ-Caprolactone Utilizing Biocompatible Zinc Catalysts. Random Copolymerization of <scp>l</scp>-Lactide and Îµ-Caprolactone. Macromolecules, 2010, 43, 8880-8886.	4.8	157
104	Ligand Substitution from the (Î·⁵-DMP)Mn(CO)₂(Solv) [DMP = 2,5-dimethylpyrrole, Solv = solvent] Complexes: To Ring Slip or Not to Ring Slip?. Inorganic Chemistry, 2010, 49, 7597-7604.	4.0	9
105	Chemistry of Carbon Dioxide Relevant to Its Utilization: A Personal Perspective. Inorganic Chemistry, 2010, 49, 10765-10780.	4.0	306
106	Highly Selective Synthesis of CO₂ Copolymer from Styrene Oxide. Macromolecules, 2010, 43, 9202-9204.	4.8	138
107	Stereoselective Ring-Opening Polymerization of rac-Lactides Catalyzed by Chiral and Achiral Aluminum Half-Salen Complexes. Organometallics, 2010, 29, 5627-5634.	2.3	130
108	Ring-Opening Polymerization of Lactides Catalyzed by Natural Amino-Acid Based Zinc Catalysts. Inorganic Chemistry, 2010, 49, 2360-2371.	4.0	177

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109	A facile catalytic synthesis of trimethylene carbonate from trimethylene oxide and carbon dioxide. Green Chemistry, 2010, 12, 1376.	9.0	91
110	Tuning the Selectivity of the Oxetane and CO₂ Coupling Process Catalyzed by (Salen)CrCl/n-Bu₄NX: Cyclic Carbonate Formation vs Aliphatic Polycarbonate Production. Macromolecules, 2010, 43, 5996-6003.	4.8	80
111	Displacement Kinetics of Î·²-Bound Furan and 2,3-Dihydrofuran from Mn and Cr Centers: Evidence for the Partial Dearomatization of the Furan Ligand. Inorganic Chemistry, 2009, 48, 7787-7793.	4.0	12
112	Copolymerization of Epoxides and Carbon Dioxide. Evidence Supporting the Lack of Dual Catalysis at a Single Metal Site. Inorganic Chemistry, 2009, 48, 8668-8677.	4.0	47
113	(Salen)Co(II)/n-Bu₄NX Catalysts for the Coupling of CO₂ and Oxetane: Selectivity for Cyclic Carbonate Formation in the Production of Poly-(trimethylene carbonate). Macromolecules, 2009, 42, 4063-4070.	4.8	68
114	Investigations into the coupling of cyclohexene oxide and carbon disulfide catalyzed by (salen)CrCl. Selectivity for the production of copolymers vs. cyclic thiocarbonates. Dalton Transactions, 2009, , 8891.	3.3	66
115	Highly Selective and Reactive (salan)CrCl Catalyst for the Copolymerization and Block Copolymerization of Epoxides with Carbon Dioxide. Macromolecules, 2009, 42, 6992-6998.	4.8	139
116	Switchable-Polarity Solvents Prepared with a Single Liquid Component. Journal of Organic Chemistry, 2008, 73, 127-132.	3.2	169
117	X-Ray crystal structures of five-coordinate (salen)MnN3 derivatives and their binding abilities towards epoxides: chemistry relevant to the epoxideâ€“CO2 copolymerization process. Dalton Transactions, 2008, , 5031.	3.3	15
118	Mechanistic Studies of the Copolymerization Reaction of Oxetane and Carbon Dioxide to Provide Aliphatic Polycarbonates Catalyzed by (Salen)CrX Complexes. Journal of the American Chemical Society, 2008, 130, 6523-6533.	13.7	124
119	A phase separable polycarbonate polymerization catalyst. Chemical Communications, 2008, , 975-977.	4.1	41
120	Studies of the Carbon Dioxide and Epoxide Coupling Reaction in the Presence of Fluorinated Manganese(III) Acacen Complexes: Kinetics of Epoxide Ring-Opening. Inorganic Chemistry, 2008, 47, 4977-4987.	4.0	15
121	Ring-Opening Polymerization of Cyclic Monomers by Complexes Derived from Biocompatible Metals. Production of Poly(lactide), Poly(trimethylene carbonate), and Their Copolymers. Macromolecules, 2008, 41, 3493-3502.	4.8	233
122	An Exploration of the Coupling Reactions of Epoxides and Carbon Dioxide Catalyzed by Tetramethyltetraazaannulene Chromium(III) Derivatives: Formation of Copolymers versus Cyclic Carbonates. Inorganic Chemistry, 2008, 47, 11868-11878.	4.0	43
123	Mechanistic Insight into the Initiation Step of the Coupling Reaction of Oxetane or Epoxides and CO₂ Catalyzed by (salen)CrX Complexes. Inorganic Chemistry, 2008, 47, 10000-10008.	4.0	82
124	Tricarbonyl(Hydrido) [1,2-Bis (Diphenyl-phosphino)Ethane]Manganese as Precursor to Labile Site Derivatives. Inorganic Syntheses, 2007, , 298-302.	0.3	8
125	(S,S)-2,3-Bis[Di(m -Sodiumsulfonatophenyl)-Phosphino]Butane (Chiraphosts) and (S,S)-2,4-Bis[Di(m) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	3
126	Biomimetic study of a polymeric composite material for joint repair applications. Journal of Materials Research, 2007, 22, 1632-1639.	2.6	11

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127	Potassium Î¼-Hydrido-Bis[Pentacarbonylchromate(0)] and Potassium Î¼-Hydrido-Bis[Pentacarbonyltungstate(0)]. Inorganic Syntheses, 2007, , 27-32.	0.3	4
128	Î¼-Nitrido-Bis(Triphenylphosphorus) (1+) Î¼-Carbonyl-Decacarbonyl-Î¼-Hydridotriosmate(1-). Inorganic Syntheses, 2007, , 236-237.	0.3	2
129	Labile Copper (I) Chloride Complexes: Preparation and Handling. Inorganic Syntheses, 2007, , 222-228.	0.3	30
130	1,3,5-Triaz-7-Phosphatricyclo[3.3.1.13,7]Decane and Derivatives. Inorganic Syntheses, 2007, , 40-45.	0.3	150
131	What is the Real Steric Impact of Triphenylphosphite? Solid-State and Solution Structural Studies of cis- and trans-Isomers of M(CO)₄[P(OPh)₃]₂ (M = Mo) Tj ETQq1 1 0.784314 rgBT	4.3	44
132	(Tetramethyltetraazaannulene)chromium Chloride:Â A Highly Active Catalyst for the Alternating Copolymerization of Epoxides and Carbon Dioxide. Inorganic Chemistry, 2007, 46, 5474-5476.	4.0	61
133	Inquiry into the Formation of Cyclic Carbonates during the (Salen)CrX Catalyzed CO₂/Cyclohexene Oxide Copolymerization Process in the Presence of Ionic Initiators. Macromolecules, 2007, 40, 7727-7729.	4.8	88
134	Manganese(III) Schiff Base Complexes:Â Chemistry Relevant to the Copolymerization of Epoxides and Carbon Dioxide. Inorganic Chemistry, 2007, 46, 5967-5978.	4.0	67
135	Ring-Opening Polymerization of Cyclic Monomers by Biocompatible Metal Complexes. Production of Poly(lactide), Polycarbonates, and Their Copolymers. Macromolecules, 2007, 40, 3521-3523.	4.8	143
136	(Meta - Sulfonatophenyl) Diphenylphosphine, Sodium Salt and its Complexes with Rhodium(I), Ruthenium(II), Iridium(I). Inorganic Syntheses, 2007, , 1-8.	0.3	62
137	Making Plastics from Carbon Dioxide:â€‰ Salen Metal Complexes as Catalysts for the Production of Polycarbonates from Epoxides and CO2. Chemical Reviews, 2007, 107, 2388-2410.	47.7	1,462
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