Donald Darensbourg

List of Publications by Year in Descending Order

424 papers	20,323 citations	70 h-index	124 g-index
557 ext. papers	21,820 ext. citations	7 avg, IF	7.35 L-index

#	Paper	IF	Citations
424	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	10	1
423	Studies of the Interactions of the Tungsten Pentacarbonyl Fluoride Anion with Carbon Dioxide. *Polyhedron*, **2022**, 115852	2.7	
422	Carbon Disulfide Derived Polymers **2021**, 39-79		1
421	Copolymerization of propylene oxide and 13CO2 to afford completely alternating regioregular 13C-labeled Poly(propylene carbonate). *Polymer Journal*, **2021**, 53, 215-218	2.7	1
420	Randomly Distributed Sulfur Atoms in the Main Chains of CO2-Based Polycarbonates: Enhanced Optical Properties. *Angewandte Chemie*, **2021**, 133, 4361-4367	3.6	3
419	Randomly Distributed Sulfur Atoms in the Main Chains of CO -Based Polycarbonates: Enhanced Optical Properties. *Angewandte Chemie - International Edition*, **2021**, 60, 4315-4321	16.4	8
418	Sustainable synthesis of CO2-derived polycarbonates from D-xylose. *Polymer Chemistry*, **2021**, 12, 5271-5278	4.7	7
417	TEMPO Containing Radical Polymonothiocarbonate Polymers with Regio- and Stereo-Regularities: Synthesis, Characterization, and Electrical Conductivity Studies. *Angewandte Chemie - International Edition*, **2021**, 60, 20734-20738	16.4	0
416	TEMPO Containing Radical Polymonothiocarbonate Polymers with Regio- and Stereo-Regularities: Synthesis, Characterization, and Electrical Conductivity Studies. *Angewandte Chemie*, **2021**, 133, 20902-20906	3.6	
415	Facile Synthesis of Well-Defined Branched Sulfur-Containing Copolymers: One-Pot Copolymerization of Carbonyl Sulfide and Epoxide. *Angewandte Chemie - International Edition*, **2020** , 59, 13633-13637	16.4	8
414	Zwitterionic Alternating Polymerization to Generate Semicrystalline and Recyclable Cyclic Polythiourethanes. *ACS Macro Letters*, **2020**, 9, 866-871	6.6	13
413	Facile Synthesis of Well-Defined Branched Sulfur-Containing Copolymers: One-Pot Copolymerization of Carbonyl Sulfide and Epoxide. *Angewandte Chemie*, **2020**, 132, 13735-13739	3.6	2
412	Non-Isocyanate and Catalyst-Free Synthesis of a Recyclable Polythiourethane with Cyclic Structure. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5693-5703	8.3	14
411	Synthetic Metallodithiolato Ligands as Pendant Bases in [FeFe], [Fe[Fe(NO)]], and [(Ħ)FeFe] Complexes. *Inorganic Chemistry*, **2020**, 59, 3753-3763	5.1	4
410	Metal-Templated, Tight Loop Conformation of a Cys-X-Cys Biomimetic Assembles a Dimanganese Complex. *Angewandte Chemie - International Edition*, **2020**, 59, 3645-3649	16.4	1
409	CO2-Based Block Copolymers: Present and Future Designs. *Trends in Chemistry*, **2020**, 2, 750-763	14.8	34
408	Metal-Templated, Tight Loop Conformation of a Cys-X-Cys Biomimetic Assembles a Dimanganese Complex. *Angewandte Chemie*, **2020**, 132, 3674-3678	3.6	

407	Placing Single-Metal Complexes into the Backbone of CO2-Based Polycarbonate Chains, Construction of Nanostructures for Prospective Micellar Catalysis. *Organometallics*, **2020**, 39, 1612-1618	3.8	6
406	Synthesis of terpyridine-containing polycarbonates with post polymerization providing water-soluble and micellar polymers and their metal complexes. *Polymer Chemistry*, **2020**, 11, 4699-4705	4.9	1
405	Catalysis of carbon dioxide and oxetanes to produce aliphatic polycarbonates. *Green Chemistry*, **2020**, 22, 7707-7724	10	18
404	Thermal Dehydrogenation of Dimethylamine Borane Catalyzed by a Bifunctional Rhenium Complex. *Organometallics*, **2019**, 38, 2602-2609	3.8	8
403	Chain transfer agents utilized in epoxide and CO2 copolymerization processes. *Green Chemistry*, **2019**, 21, 2214-2223	10	48
402	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	5.5	7
401	Catalyst-Free Construction of Versatile and Functional CS2-Based Polythioureas: Characteristics from Self-Healing to Heavy Metal Absorption. *Macromolecules*, **2019**, 52, 8596-8603	5.5	18
400	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	2.7	3
399	Comments on the depolymerization of polycarbonates derived from epoxides and carbon dioxide: A mini review. *Polymer Degradation and Stability*, **2018**, 149, 45-51	4.7	23
398	Synthesis of CO2-Based Block Copolymers via Chain Transfer Polymerization Using Macroinitiators: Activity, Blocking Efficiency, and Nanostructure. *Macromolecules*, **2018**, 51, 791-800	5.5	20
397	Construction of Autonomic Self-Healing CO2-Based Polycarbonates via One-Pot Tandem Synthetic Strategy. *Macromolecules*, **2018**, 51, 1308-1313	5.5	24
396	Design of Betaine Functional Catalyst for Efficient Copolymerization of Oxirane and CO2. *Macromolecules*, **2018**, 51, 6057-6062	5.5	9
395	Cyanide Docking and Linkage Isomerism in Models for the Artificial [FeFe]-Hydrogenase Maturation Process. *Journal of the American Chemical Society*, **2018**, 140, 9904-9911	16.4	5
394	One-Pot Synthesis of Ion-Containing CO2-Based Polycarbonates Using Protic Ionic Liquids as Chain Transfer Agents. *Macromolecules*, **2018**, 51, 9122-9130	5.5	8
393	Oxygen atom exchange in rhenium bipyridine and phenanthroline tetracarbonyl cations with H218O. *Polyhedron*, **2018**, 156, 58-63	2.7	
392	Carbon dioxide-based functional polycarbonates: Metal catalyzed copolymerization of CO2 and epoxides. *Coordination Chemistry Reviews*, **2018**, 372, 85-100	23.2	122
391	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	11.5	73
390	Switchable catalytic processes involving the copolymerization of epoxides and carbon dioxide for the preparation of block polymers. *Inorganic Chemistry Frontiers*, **2017**, 4, 412-419	6.8	25

389	Perfectly Alternating and Regioselective Copolymerization of Carbonyl Sulfide and Epoxides by Metal-Free Lewis Pairs. *Angewandte Chemie - International Edition*, **2017**, 56, 5774-5779	16.4	115
388	Perfectly Alternating and Regioselective Copolymerization of Carbonyl Sulfide and Epoxides by Metal-Free Lewis Pairs. *Angewandte Chemie*, **2017**, 129, 5868-5873	3.6	27
387	Mechanistic Study of Regio-Defects in the Copolymerization of Propylene Oxide/Carbonyl Sulfide Catalyzed by (Salen)CrX Complexes. *Macromolecules*, **2017**, 50, 8426-8437	5.5	20
386	A quest for polycarbonates provided via sustainable epoxide/CO2 copolymerization processes. *Green Chemistry*, **2017**, 19, 4990-5011	10	160
385	Copolymerization of Epoxides and CO2: Polymer Chemistry for Incorporation in Undergraduate Inorganic Chemistry. *Journal of Chemical Education*, **2017**, 94, 1691-1695	2.4	16
384	Synthesis of cyclic monothiocarbonates via the coupling reaction of carbonyl sulfide (COS) with epoxides. *Catalysis Science and Technology*, **2016**, 6, 188-192	5.5	15
383	Poly(trimethylene monothiocarbonate) from the Alternating Copolymerization of COS and Oxetane: A Semicrystalline Copolymer. *Macromolecules*, **2016**, 49, 8863-8868	5.5	37
382	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	5.5	86
381	Environmentally Benign CO2-Based Copolymers: Degradable Polycarbonates Derived from Dihydroxybutyric Acid and Their Platinum-Polymer Conjugates. *Journal of the American Chemical Society*, **2016**, 138, 4626-33	16.4	39
380	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	2.5	19
379	Poly(monothiocarbonate)s from the Alternating and Regioselective Copolymerization of Carbonyl Sulfide with Epoxides. *Accounts of Chemical Research*, **2016**, 49, 2209-2219	24.3	100
378	Dramatic Behavioral Differences of the Copolymerization Reactions of 1,4-Cyclohexadiene and 1,3-Cyclohexadiene Oxides with Carbon Dioxide. *Macromolecules*, **2015**, 48, 1679-1687	5.5	32
377	Syntheses and Structures of [CH2(NCnH2n)2]Mo(CO)4 (n = 4,5) Complexes with Bis(cycloamine) Ligands Easily Prepared from CH2Cl2. *Organometallics*, **2015**, 34, 3598-3602	3.8	10
376	Carbon Dioxide Copolymerization Study with a Sterically Encumbering Naphthalene-Derived Oxide. *ACS Catalysis*, **2015**, 5, 5421-5430	13.1	14
375	Highly regioselective and alternating copolymerization of carbonyl sulfide with phenyl glycidyl ether. *Polymer Chemistry*, **2015**, 6, 6955-6958	4.9	32
374	An Examination of the Steric and Electronic Effects in the Copolymerization of Carbonyl Sulfide and Styrene Oxide. *Macromolecules*, **2015**, 48, 6057-6062	5.5	39
373	Terpolymerization of propylene oxide and vinyl oxides with CO2: copolymer cross-linking and surface modification via thiol‐ene click chemistry. *Polymer Chemistry*, **2015**, 6, 1768-1776	4.9	42
372	Kinetics of the (salen)Cr(III)- and (salen)Co(III)-catalyzed copolymerization of epoxides with CO2, and of the accompanying degradation reactions. *Polymer Chemistry*, **2015**, 6, 1103-1117	4.9	29

371	An Investigation of the Pathways for Oxygen/Sulfur Scramblings during the Copolymerization of Carbon Disulfide and Oxetane. *Macromolecules*, **2015**, 48, 5526-5532	5.5	36
370	Construction of Versatile and Functional Nanostructures Derived from CO2-based Polycarbonates. *Angewandte Chemie*, **2015**, 127, 10344-10348	3.6	14
369	Construction of Versatile and Functional Nanostructures Derived from CO2 -based Polycarbonates. *Angewandte Chemie - International Edition*, **2015**, 54, 10206-10	16.4	61
368	A concise review of computational studies of the carbon dioxide–epoxide copolymerization reactions. *Polymer Chemistry*, **2014**, 5, 3949-3962	4.9	89
367	Sequestering CO2 for Short-Term Storage in MOFs: Copolymer Synthesis with Oxiranes. *ACS Catalysis*, **2014**, 4, 1511-1515	13.1	45
366	Personal Adventures in the Synthesis of Copolymers from Carbon Dioxide and Cyclic Ethers. *Advances in Inorganic Chemistry*, **2014**, 1-23	2.1	7
365	Copolymerization and Cycloaddition Products Derived from Coupling Reactions of 1,2-Epoxy-4-cyclohexene and Carbon Dioxide. Postpolymerization Functionalization via Thiol–Ene Click Reactions. *Macromolecules*, **2014**, 47, 7347-7353	5.5	59
364	Hammett correlations as test of mechanism of CO-induced disulfide elimination from dinitrosyl iron complexes. *Chemical Science*, **2014**, 5, 3795-3802	9.4	10
363	Postpolymerization Functionalization of Copolymers Produced from Carbon Dioxide and 2-Vinyloxirane: Amphiphilic/Water-Soluble CO2-Based Polycarbonates. *Macromolecules*, **2014**, 47, 3806-3813	5.5	55
362	Availability of Other Aliphatic Polycarbonates Derived from Geometric Isomers of Butene Oxide and Carbon Dioxide Coupling Reactions. *Macromolecules*, **2014**, 47, 4943-4948	5.5	30
361	Thermal and photochemical reactivity of manganese tricarbonyl and tetracarbonyl complexes with a bulky diazabutadiene ligand. *Inorganic Chemistry*, **2014**, 53, 4081-8	5.1	41
360	Kinetics and thermodynamics of the decarboxylation of 1,2-glycerol carbonate to produce glycidol: computational insights. *Green Chemistry*, **2014**, 16, 247-252	10	17
359	Oxygen/Sulfur Scrambling During the Copolymerization of Cyclopentene Oxide and Carbon Disulfide: Selectivity for Copolymer vs Cyclic [Thio]carbonates. *Macromolecules*, **2013**, 46, 8102-8110	5.5	45
358	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, 12655-60	5.1	3
357	Construction of ultrastable porphyrin Zr metal-organic frameworks through linker elimination. *Journal of the American Chemical Society*, **2013**, 135, 17105-10	16.4	700
356	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	13.1	59
355	Synthesis of CO2-Derived Poly(indene carbonate) from Indene Oxide Utilizing Bifunctional Cobalt(III) Catalysts. *Macromolecules*, **2013**, 46, 5929-5934	5.5	41
354	An Efficient Method of Depolymerization of Poly(cyclopentene carbonate) to Its Comonomers: Cyclopentene Oxide and Carbon Dioxide. *Macromolecules*, **2013**, 46, 5850-5855	5.5	54

353	Kinetic and Thermodynamic Investigations of CO2 Insertion Reactions into Ru–Me and Ru–H Bonds—An Experimental and Computational Study. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4024-4031	2.3	14
352	Estimating the strength of the M-H-B interaction: a kinetic approach. *Dalton Transactions*, **2013**, 42, 6720-3	4.3	8
351	Thermodynamics of the Carbon Dioxide–Epoxide Copolymerization and Kinetics of the Metal-Free Degradation: A Computational Study. *Macromolecules*, **2013**, 46, 83-95	5.5	56
350	Relative basicities of cyclic ethers and esters. Chemistry of importance to ring-opening co- and terpolymerization reactions. *Polyhedron*, **2013**, 58, 139-143	2.7	22
349	Crystalline CO2 Copolymer from Epichlorohydrin via Co(III)-Complex-Mediated Stereospecific Polymerization. *Macromolecules*, **2013**, 46, 2128-2133	5.5	73
348	Depolymerization of Poly(indene carbonate). A Unique Degradation Pathway. *Macromolecules*, **2013**, 46, 3228-3233	5.5	28
347	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, 8423-30	16.4	24
346	Base initiated depolymerization of polycarbonates to epoxide and carbon dioxide co-monomers: a computational study. *Green Chemistry*, **2013**, 15, 1578	10	43
345	Acrylic acid derivatives of group 8 metal carbonyls: a structural and kinetic study. *Inorganic Chemistry*, **2013**, 52, 5438-47	5.1	11
344	A one-pot synthesis of a triblock copolymer from propylene oxide/carbon dioxide and lactide: intermediacy of polyol initiators. *Angewandte Chemie - International Edition*, **2013**, 52, 10602-6	16.4	105
343	A One-Pot Synthesis of a Triblock Copolymer from Propylene Oxide/Carbon Dioxide and Lactide: Intermediacy of Polyol Initiators. *Angewandte Chemie*, **2013**, 125, 10796-10800	3.6	21
342	Depolymerization of Polycarbonates Derived from Carbon Dioxide and Epoxides to Provide Cyclic Carbonates. A Kinetic Study. *Macromolecules*, **2012**, 45, 5916-5922	5.5	78
341	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)CrIIICl. *Macromolecules*, **2012**, 45, 2242-2248	5.5	167
340	Time resolved infrared spectroscopy: kinetic studies of weakly binding ligands in an iron-iron hydrogenase model compound. *Inorganic Chemistry*, **2012**, 51, 7362-9	5.1	8
339	Mechanism of CO displacement from an unusually labile rhenium complex: an experimental and theoretical investigation. *Inorganic Chemistry*, **2012**, 51, 13041-9	5.1	12
338	Cobalt catalysts for the coupling of CO2 and epoxides to provide polycarbonates and cyclic carbonates. *Chemical Society Reviews*, **2012**, 41, 1462-84	58.5	901
337	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	13.1	163
336	What's new with CO2? Recent advances in its copolymerization with oxiranes. *Green Chemistry*, **2012**, 14, 2665	10	280

335	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, 17739-45	16.4	118
334	Photochemically Generated Transients from 2- and 3-Triphos Derivatives of Group 6 Metal Carbonyls and Their Reactivity with Olefins. *Organometallics*, **2012**, 31, 3163-3170	3.8	4
333	Time-Resolved Infrared Spectroscopy Studies of Olefin Binding in Photogenerated CpRu(CO)X (X = Cl, I) Transients. *Organometallics*, **2012**, 31, 3972-3979	3.8	3
332	(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	2.5	55
331	Perfectly alternating copolymerization of CO2 and epichlorohydrin using cobalt(III)-based catalyst systems. *Journal of the American Chemical Society*, **2011**, 133, 15191-9	16.4	173
330	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	25.4	88
329	Aliphatic Polycarbonates Produced from the Coupling of Carbon Dioxide and Oxetanes and Their Depolymerization via Cyclic Carbonate Formation. *Macromolecules*, **2011**, 44, 2568-2576	5.5	54
328	Ring-opening polymerization of cyclic esters and trimethylene carbonate catalyzed by aluminum half-salen complexes. *Inorganic Chemistry*, **2011**, 50, 6775-87	5.1	107
327	Ligand Displacement from TpMn(CO)2L Complexes: A Large Rate Enhancement in Comparison to the CpMn(CO)2L Analogues. *Organometallics*, **2011**, 30, 3054-3063	3.8	10
326	Ring-Opening Polymerization of Renewable Six-Membered Cyclic Carbonates. Monomer Synthesis and Catalysis **2011**, 163-200		0
325	Salen Metal Complexes as Catalysts for the Synthesis of Polycarbonates from Cyclic Ethers and Carbon Dioxide. *Advances in Polymer Science*, **2011**, 1-27	1.3	8
324	Synthesis of poly(indene carbonate) from indene oxide and carbon dioxide--a polycarbonate with a rigid backbone. *Journal of the American Chemical Society*, **2011**, 133, 18610-3	16.4	73
323	Ring-Opening Polymerization ofl-Lactide and Caprolactone Utilizing Biocompatible Zinc Catalysts. Random Copolymerization ofl-Lactide and Caprolactone. *Macromolecules*, **2010**, 43, 8880-8886	5.5	138
322	Ligand substitution from the (eta5-DMP)Mn(CO)2(Solv) [DMP = 2,5-dimethylpyrrole, Solv = solvent] complexes: to ring slip or not to ring slip?. *Inorganic Chemistry*, **2010**, 49, 7597-604	5.1	8
321	Chemistry of carbon dioxide relevant to its utilization: a personal perspective. *Inorganic Chemistry*, **2010**, 49, 10765-80	5.1	299
320	Highly Selective Synthesis of CO2 Copolymer from Styrene Oxide. *Macromolecules*, **2010**, 43, 9202-9204	5.5	127
319	Stereoselective Ring-Opening Polymerization of rac-Lactides Catalyzed by Chiral and Achiral Aluminum Half-Salen Complexes *Organometallics*, **2010**, 29, 5627-5634	3.8	126
318	Ring-opening polymerization of lactides catalyzed by natural amino-acid based zinc catalysts. *Inorganic Chemistry*, **2010**, 49, 2360-71	5.1	169

317	A facile catalytic synthesis of trimethylene carbonate from trimethylene oxide and carbon dioxide. *Green Chemistry*, **2010**, 12, 1376	10	78
316	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	5.5	72
315	Displacement kinetics of eta(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, 7787-93	5.1	10
314	Copolymerization of epoxides and carbon dioxide. Evidence supporting the lack of dual catalysis at a single metal site. *Inorganic Chemistry*, **2009**, 48, 8668-77	5.1	45
313	(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	5.5	62
312	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**, 8891-9	4.3	49
311	Highly Selective and Reactive (salan)CrCl Catalyst for the Copolymerization and Block Copolymerization of Epoxides with Carbon Dioxide. *Macromolecules*, **2009**, 42, 6992-6998	5.5	126
310	X-Ray crystal structures of five-coordinate (salen)MnN3 derivatives and their binding abilities towards epoxides: chemistry relevant to the epoxide-CO2 copolymerization process. *Dalton Transactions*, **2008**, 5031-6	4.3	12
309	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, 6523-33	16.4	113
308	A phase separable polycarbonate polymerization catalyst. *Chemical Communications*, **2008**, 975-7	5.8	38
307	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, 4977-87	5.1	11
306	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	5.5	222
305	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, 11868-78	5.1	38
304	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, 10000-8	5.1	74
303	Switchable-polarity solvents prepared with a single liquid component. *Journal of Organic Chemistry*, **2008**, 73, 127-32	4.2	149
302	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 and W). *Organometallics*, **2007**, 26, 6832-6838	3.8	14
301	(Tetramethyltetraazaannulene)chromium chloride: a highly active catalyst for the alternating copolymerization of epoxides and carbon dioxide. *Inorganic Chemistry*, **2007**, 46, 5474-6	5.1	55
300	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	5.5	83

299	Manganese(III) Schiff base complexes: chemistry relevant to the copolymerization of epoxides and carbon dioxide. *Inorganic Chemistry*, **2007**, 46, 5967-78	5.1	59
298	Ring-Opening Polymerization of Cyclic Monomers by Biocompatible Metal Complexes. Production of Poly(lactide), Polycarbonates, and Their Copolymers. *Macromolecules*, **2007**, 40, 3521-3523	5.5	136
297	(Meta- Sulfonatophenyl) Diphenylphosphine, Sodium Salt and its Complexes with Rhodium(I), Ruthenium(II), Iridium(I). *Inorganic Syntheses*, **2007**, 1-8		41
296	Making plastics from carbon dioxide: salen metal complexes as catalysts for the production of polycarbonates from epoxides and CO2. *Chemical Reviews*, **2007**, 107, 2388-410	68.1	1326
295	Methylene (Carbene) Complexes of Transition Metals. *Inorganic Syntheses*, **2007**, 164-172		11
294	-Nitrido-Bis(Triphenylphosphorus)(1 +)- -Carbonyl-Decacarbonyl- -Hydridotriosmate(1) *Inorganic Syntheses*, **2007**, 193-194		
293	Further studies related to the copolymerization of cyclohexene oxide and carbon dioxide catalyzed by chromium Schiff base complexes. Crystal structures of two -hydroxo-bridged Schiff base dimers of chromium(III). *Inorganica Chimica Acta*, **2007**, 360, 523-528	2.7	22
292	Tricarbonyl(Hydrido) [1,2-Bis (Diphenyl-phosphino)Ethane]Manganese as Precursor to Labile Site Derivatives. *Inorganic Syntheses*, **2007**, 298-302		7
291	(S,S)-2,3-Bis[Di(m-Sodiumsulfonatophenyl)-Phosphino]Butane (Chiraphosts) and (S,S)-2,4-Bis[Di(m-Sodiumsulfonatophenyl)- Phosphino]Pentane (BDPPts). *Inorganic Syntheses*, **2007** , 36-40		2
290	Biomimetic study of a polymeric composite material for joint repair applications. *Journal of Materials Research*, **2007**, 22, 1632-1639	2.5	10
289	Potassium -Hydrido-Bis[Pentacarbonylchromate(0)] and Potassium -Hydrido-Bis[Pentacarbonyltungstate(0)]. *Inorganic Syntheses*, **2007**, 27-32		4
288	-Nitrido-Bis(Triphenylphosphorus) (1+) -Carbonyl-Decacarbonyl- -Hydridotriosmate(1-). *Inorganic Syntheses*, **2007**, 236-237		2
287	Labile Copper (I) Chloride Complexes: Preparation and Handling. *Inorganic Syntheses*, **2007**, 222-228		26
286	1,3,5-Triaz-7-Phosphatricyclo[3.3.1.13,7]Decane and Derivatives. *Inorganic Syntheses*, **2007**, 40-45		112
285	Biometal Derivatives as Catalysts for the Ring-Opening Polymerization of Trimethylene Carbonate. Optimization of the Ca(II) Salen Catalyst System. *Macromolecules*, **2006**, 39, 4374-4379	5.5	79
284	Metal salen derivatives as catalysts for the alternating copolymerization of oxetanes and carbon dioxide to afford polycarbonates. *Inorganic Chemistry*, **2006**, 45, 3831-3	5.1	45
283	A kinetic study of the ring-opening process in tungsten carbonyl complexes containing hemilabile metallodithiolate ligands. *Inorganic Chemistry*, **2006**, 45, 119-26	5.1	12
282	Role of the cocatalyst in the copolymerization of CO2 and cyclohexene oxide utilizing chromium salen complexes. *Journal of the American Chemical Society*, **2005**, 127, 14026-38	16.4	232

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