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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	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
2	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
3	Construction of Ultrastable Porphyrin Zr Metalâ€“Organic Frameworks through Linker Elimination. Journal of the American Chemical Society, 2013, 135, 17105-17110.	13.7	880
4	Catalysts for the reactions of epoxides and carbon dioxide. Coordination Chemistry Reviews, 1996, 153, 155-174.	18.8	777
5	Copolymerization of CO2 and Epoxides Catalyzed by Metal Salen Complexes. Accounts of Chemical Research, 2004, 37, 836-844.	15.6	450
6	Mechanistic Aspects of the Copolymerization Reaction of Carbon Dioxide and Epoxides, Using a Chiral Salen Chromium Chloride Catalyst. Journal of the American Chemical Society, 2002, 124, 6335-6342.	13.7	362
7	Comparative Kinetic Studies of the Copolymerization of Cyclohexene Oxide and Propylene Oxide with Carbon Dioxide in the Presence of Chromium Salen Derivatives. In Situ FTIR Measurements of Copolymer vs Cyclic Carbonate Production. Journal of the American Chemical Society, 2003, 125, 7586-7591.	13.7	315
8	Catalytic Activity of a Series of Zn(II) Phenoxides for the Copolymerization of Epoxides and Carbon Dioxide. Journal of the American Chemical Society, 1999, 121, 107-116.	13.7	314
9	Chemistry of Carbon Dioxide Relevant to Its Utilization: A Personal Perspective. Inorganic Chemistry, 2010, 49, 10765-10780.	4.0	306
10	What's new with CO2? Recent advances in its copolymerization with oxiranes. Green Chemistry, 2012, 14, 2665.	9.0	299
11	Catalytic Activity of Zinc(II) Phenoxides Which Possess Readily Accessible Coordination Sites. Copolymerization and Terpolymerization of Epoxides and Carbon Dioxide. Macromolecules, 1995, 28, 7577-7579.	4.8	298
12	A convenient synthesis of cis-Mo(CO)4L2 derivatives (L = Group 5a ligand) and a qualitative study of their thermal reactivity toward ligand dissociation. Inorganic Chemistry, 1978, 17, 2680-2682.	4.0	261
13	Bis2,6-difluorophenoxide Dimeric Complexes of Zinc and Cadmium and Their Phosphine Adducts:Â Lessons Learned Relative to Carbon Dioxide/Cyclohexene Oxide Alternating Copolymerization Processes Catalyzed by Zinc Phenoxides. Journal of the American Chemical Society, 2000, 122, 12487-12496.	13.7	257
14	Role of the Cocatalyst in the Copolymerization of CO2and Cyclohexene Oxide Utilizing Chromium Salen Complexes. Journal of the American Chemical Society, 2005, 127, 14026-14038.	13.7	254
15	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
16	A quest for polycarbonates provided via sustainable epoxide/CO₂copolymerization processes. Green Chemistry, 2017, 19, 4990-5011.	9.0	221
17	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
18	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

#	Article	IF	Citations
19	Carbon dioxide-based functional polycarbonates: Metal catalyzed copolymerization of CO2 and epoxides. Coordination Chemistry Reviews, 2018, 372, 85-100.	18.8	196
20	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
21	The Activation of Carbon Dioxide by Metai Complexes. Advances in Organometallic Chemistry, 1983, 22, 129-168.	1.0	181
22	Ring-Opening Polymerization of Lactides Catalyzed by Natural Amino-Acid Based Zinc Catalysts. Inorganic Chemistry, 2010, 49, 2360-2371.	4.0	177
23	Cyclohexene Oxide/CO2Copolymerization Catalyzed by Chromium(III) Salen Complexes andN-Methylimidazole:Â Effects of Varying Salen Ligand Substituents and Relative Cocatalyst Loading. Inorganic Chemistry, 2004, 43, 6024-6034.	4.0	170
24	Switchable-Polarity Solvents Prepared with a Single Liquid Component. Journal of Organic Chemistry, 2008, 73, 127-132.	3.2	169
25	Synthesis and physical characterization of poly(cyclohexane carbonate), synthesized from CO2 and cyclohexene oxide. Polymer, 2001, 42, 3995-4004.	3.8	167
26	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
27	Aluminum Salen Complexes and Tetrabutylammonium Salts:Â A Binary Catalytic System for Production of Polycarbonates from CO2and Cyclohexene Oxide. Inorganic Chemistry, 2005, 44, 1433-1442.	4.0	157
28	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
29	Water-soluble organometallic compounds. 4. Catalytic hydrogenation of aldehydes in an aqueous two-phase solvent system using a 1,3,5-triaza-7-phosphaadamantane complex of ruthenium. Inorganic Chemistry, 1994, 33, 200-208.	4.0	150
30	1,3,5-Triaz-7-Phosphatricyclo[3.3.1.13,7]Decane and Derivatives. Inorganic Syntheses, 2007, , 40-45.	0.3	150
31	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
32	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
33	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
34	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
35	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
36	Highly Selective Synthesis of CO₂ Copolymer from Styrene Oxide. Macromolecules, 2010, 43, 9202-9204.	4.8	138

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37	Stereoselective Ring-Opening Polymerization of rac-Lactides Catalyzed by Chiral and Achiral Aluminum Half-Salen Complexes. Organometallics, 2010, 29, 5627-5634.	2.3	130
38	Water-soluble organometallic compounds. 2. Catalytic hydrogenation of aldehydes and olefins by new water-soluble 1,3,5-triaza-7-phosphaadamantane complexes of ruthenium and rhodium. Organometallics, 1992, 11, 1990-1993.	2.3	129
39	Pressure Dependence of the Carbon Dioxide/Cyclohexene Oxide Coupling Reaction Catalyzed by Chromium Salen Complexes. Optimization of the Comonomer-Alternating Enchainment Pathway. Organometallics, 2005, 24, 144-148.	2.3	124
40	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
41	Reactions of transition metal carbonyls with organolithium compounds. II. Prediction of nucleophilic attack at carbon and resultant stereochemistry. Inorganic Chemistry, 1970, 9, 1691-1694.	4.0	121
42	(Salen)CrIIIX Catalysts for the Copolymerization of Carbon Dioxide and Epoxides:Â Role of the Initiator and Cocatalyst. Inorganic Chemistry, 2004, 43, 1831-1833.	4.0	116
43	Intensities of CO stretching modes in the infrared spectra of adsorbed CO and metal carbonyls. Inorganic Chemistry, 1967, 6, 971-977.	4.0	113
44	Carbon Dioxide/Epoxide Coupling Reactions Utilizing Lewis Base Adducts of Zinc Halides as Catalysts. Cyclic Carbonate versus Polycarbonate Production. Inorganic Chemistry, 2003, 42, 581-589.	4.0	112
45	Ring-Opening Polymerization of Trimethylene Carbonate Using Aluminum(III) and Tin(IV) Salen Chloride Catalysts. Macromolecules, 2005, 38, 5406-5410.	4.8	111
46	Ring-Opening Polymerization of Cyclic Esters and Trimethylene Carbonate Catalyzed by Aluminum Half-Salen Complexes. Inorganic Chemistry, 2011, 50, 6775-6787.	4.0	108
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	A concise review of computational studies of the carbon dioxideâ€“epoxide copolymerization reactions. Polymer Chemistry, 2014, 5, 3949-3962.	3.9	107
49	Bis-Salicylaldiminato Complexes of Zinc. Examination of the Catalyzed Epoxide/CO2Copolymerization. Inorganic Chemistry, 2001, 40, 986-993.	4.0	104
50	Water-soluble organometallic compounds. 5. The regio-selective catalytic hydrogenation of unsaturated aldehydes to saturated aldehydes in an aqueous two-phase solvent system using 1,3,5-triaza-7-phosphaadamantane complexes of rhodium. Journal of Organometallic Chemistry, 1995, 488, 99-108.	1.8	100
51	Supercritical carbon dioxide as solvent for the copolymerization of carbon dioxide and propylene oxide using a heterogeneous zinc carboxylate catalyst. Journal of Molecular Catalysis A, 1995, 104, L1-L4.	4.8	98
52	Depolymerization of Polycarbonates Derived from Carbon Dioxide and Epoxides to Provide Cyclic Carbonates. A Kinetic Study. Macromolecules, 2012, 45, 5916-5922.	4.8	97
53	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
54	Solid-State Structures of Zinc(II) Benzoate Complexes. Catalyst Precursors for the Coupling of Carbon Dioxide and Epoxides. Inorganic Chemistry, 2002, 41, 973-980.	4.0	96

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55	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
56	Facile reduction of carbon dioxide by anionic Group 6b metal hydrides. Chemistry relevant to catalysis of the water-gas shift reaction. Journal of the American Chemical Society, 1981, 103, 3223-3224.	13.7	93
57	Mechanistic Pathways for Ligand Substitution Processes in Metal Carbonyls. Advances in Organometallic Chemistry, 1982, 21, 113-150.	1.0	91
58	A facile catalytic synthesis of trimethylene carbonate from trimethylene oxide and carbon dioxide. Green Chemistry, 2010, 12, 1376.	9.0	91
59	Water-Soluble Organometallic Compounds. 6.1Synthesis, Spectral Properties, and Crystal Structures of Complexes of 1,3,5-Triaza-7-phosphaadamantane with Group 10 Metals. Inorganic Chemistry, 1997, 36, 4218-4226.	4.0	89
60	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
61	Chain transfer agents utilized in epoxide and CO₂ copolymerization processes. Green Chemistry, 2019, 21, 2214-2223.	9.0	88
62	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
63	Anionic Group 6B metal carbonyl hydrides and formates. Chemistry relevant to catalysis of the water-gas shift reaction by Group 6B metal hexacarbonyls. Organometallics, 1982, 1, 1685-1693.	2.3	85
64	Mechanistic Aspects of the Copolymerization of CO2and Epoxides by Soluble Zinc Bis(phenoxide) Catalysts as Revealed by Their Cadmium Analogues. Journal of the American Chemical Society, 1998, 120, 4690-4698.	13.7	84
65	Construction of Versatile and Functional Nanostructures Derived from CO₂â€based Polycarbonates. Angewandte Chemie - International Edition, 2015, 54, 10206-10210.	13.8	84
66	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.	4.8	83
67	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
68	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
69	Crystalline CO2 Copolymer from Epichlorohydrin via Co(III)-Complex-Mediated Stereospecific Polymerization. Macromolecules, 2013, 46, 2128-2133.	4.8	82
70	Responses of the Fe(CN)2(CO) Unit to Electronic Changes as Related to Its Role in [NiFe]Hydrogenase. Journal of the American Chemical Society, 1998, 120, 10103-10114.	13.7	81
71	Water-Soluble Organometallic Compounds. 7.1Further Studies of 1,3,5-Triaza-7-Phosphaadamantane Derivatives of Group 10 Metals, Including Metal Carbonyls and Hydrides. Inorganic Chemistry, 1999, 38, 2473-2481.	4.0	81
72	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

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73	CO2-Based Block Copolymers: Present and Future Designs. Trends in Chemistry, 2020, 2, 750-763.	8.5	78
74	.pi. Acidity of tris(2-cyanoethyl)phosphine. X-ray structural studies of M(CO)5P(CH2CH2CN)3 (M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	77
75	Synthesis, structure, and reactivity of zerovalent group 6 metal pentacarbonyl aryl oxide complexes. Reactions with carbon dioxide. Journal of the American Chemical Society, 1989, 111, 7094-7103.	13.7	77
76	Toward the Design of Double Metal Cyanides for the Copolymerization of CO2and Epoxides. Inorganic Chemistry, 2001, 40, 6543-6544.	4.0	77
77	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
78	Infrared and kinetic studies of Group VI metal pentacarbonyl amine compounds. Inorganic Chemistry, 1972, 11, 72-77.	4.0	76
79	Anionic Group 6B metal carbonyls as homogeneous catalysts for carbon dioxide/hydrogen activation. The production of alkyl formates. Journal of the American Chemical Society, 1984, 106, 3750-3754.	13.7	76
80	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
81	A New Water-Soluble Phosphine Derived from 1,3,5-Triaza-7-phosphaadamantane (PTA),â€3,7-Diacetyl-1,3,7-triaza-5-phosphabicyclo[3.3.1]nonane. Structural, Bonding, and Solubility Properties. Organometallics, 2004, 23, 1747-1754.	2.3	72
82	Effective, Selective Coupling of Propylene Oxide and Carbon Dioxide to Poly(Propylene Carbonate) Using (Salen)CrN3Catalysts. Inorganic Chemistry, 2005, 44, 4622-4629.	4.0	71
83	Synthesis, spectral properties, and reactions of manganese and rhenium pentacarbonyl phosphine and phosphite cation derivatives and related complexes. Inorganic Chemistry, 1975, 14, 1579-1584.	4.0	70
84	Homogeneous catalysts for carbon dioxide/hydrogen activation. Alkyl formate production using anionic ruthenium carbonyl clusters as catalysts. Journal of the American Chemical Society, 1983, 105, 5937-5939.	13.7	68
85	Insertion reactions of carbon dioxide with square-planar rhodium alkyl and aryl complexes. Inorganic Chemistry, 1987, 26, 3827-3830.	4.0	68
86	Analysis of an Organometallic Iron Site Model for the Heterodimetallic Unit of [NiFe]Hydrogenase. Journal of the American Chemical Society, 1997, 119, 7903-7904.	13.7	68
87	(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
88	Spectroscopic studies of some carbene pentacarbonyl complexes of chromium(0) and tungsten(0). Inorganic Chemistry, 1970, 9, 32-39.	4.0	67
89	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
90	Electronic and steric control of reactions of benzylmagnesium chloride with substituted metal carbonyls. Journal of the American Chemical Society, 1973, 95, 5919-5924.	13.7	66

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91	Infrared, conductance, and kinetic evidence for alkali metal ion interactions with derivatives of manganese carbonylates. Journal of the American Chemical Society, 1976, 98, 3127-3136.	13.7	66
92	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
93	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
94	Solution and Solid-State Structures of Phosphine Adducts of Monomeric Zinc Bisphenoxide Complexes. Importance of These Derivatives in CO2/Epoxide Copolymerization Processesâ€. Inorganic Chemistry, 2000, 39, 1578-1585.	4.0	63
95	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
96	Infrared intensities of the carbonyl stretching modes and electronic spectra of substituted molybdenum carbonyls. Inorganic Chemistry, 1968, 7, 959-966.	4.0	62
97	Synthesis and Structural Characterization of Double Metal Cyanides of Iron and Zinc:Â Catalyst Precursors for the Copolymerization of Carbon Dioxide and Epoxides. Inorganic Chemistry, 2003, 42, 7809-7818.	4.0	62
98	(Meta - Sulfonatophenyl) Diphenylphosphine, Sodium Salt and its Complexes with Rhodium(I), Ruthenium(II), Iridium(I). Inorganic Syntheses, 2007, , 1-8.	0.3	62
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	Water-Soluble Organometallic Compounds. 9.1 Catalytic Hydrogenation and Selective Isomerization of Olefins by Water-Soluble Analogues of Vaska's Complex. Organometallics, 2000, 19, 3963-3969.	2.3	61
101	(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
102	Detailed analysis of the carbonyl stretching vibrations in axial and equatorial substituted iron carbonyl compounds. Absolute infrared intensities and force constants of the carbonyl ligands. Inorganic Chemistry, 1974, 13, 2135-2145.	4.0	59
103	Aqueous organometallic chemistry: the mechanism of catalytic hydrogenations with chlorotris(1,3,5-triaza-7-phosphaadamantane) rhodium(I). Journal of Organometallic Chemistry, 1996, 512, 45-50.	1.8	59
104	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
105	(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
106	Solution structure and reactivity of hydridoiron tetracarbonyl anion, [HFe(CO)4]-. Inorganic Chemistry, 1978, 17, 297-301.	4.0	57
107	A kinetic investigation of carbon dioxide insertion processes involving anionic tungsten-alkyl and -aryl derivatives: effects of carbon dioxide pressure, counterions, and ancillary ligands. Comparisons with migratory carbon monoxide insertion processes. Journal of the American Chemical Society, 1985, 107, 7463-7473.	13.7	57
108	Catalytic Coupling of Carbon Dioxide and 2,3-Epoxy-1,2,3,4-tetrahydronaphthalene in the Presence of a (Salen)CrIIICl Derivative. Organometallics, 2004, 23, 924-927.	2.3	56

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109	Mechanistic Studies of the Copolymerization Reaction of Aziridines and Carbon Monoxide to Produce Poly-Î²-peptoids. Journal of the American Chemical Society, 2004, 126, 13808-13815.	13.7	55
110	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
111	Characterization of Steric and Electronic Properties of NiN2S2Complexes as S-Donor Metallodithiolate Ligands. Journal of the American Chemical Society, 2005, 127, 17323-17334.	13.7	54
112	Water-soluble organometallic compounds. 3. Kinetic investigations of dissociative phosphine substitution processes involving water-soluble Group 6 metal derivatives in miscible aqueous/organic media. Inorganic Chemistry, 1993, 32, 47-53.	4.0	53
113	Base initiated depolymerization of polycarbonates to epoxide and carbon dioxide co-monomers: a computational study. Green Chemistry, 2013, 15, 1578.	9.0	53
114	Length of a tungsten-phosphine bond free of excessive steric interactions: crystal structure of pentacarbonyl(trimethylphosphine)tungsten. Inorganic Chemistry, 1981, 20, 4440-4442.	4.0	52
115	Poly(trimethylene monothiocarbonate) from the Alternating Copolymerization of COS and Oxetane: A Semicrystalline Copolymer. Macromolecules, 2016, 49, 8863-8868.	4.8	52
116	Syntheses and Structures of Epoxide Adducts of Soluble Cadmium(II) Carboxylates. Models for the Initiation Process in Epoxide/CO2 Coupling Reactions. Journal of the American Chemical Society, 1995, 117, 538-539.	13.7	51
117	Probing the mechanistic aspects of the chromium salen catalyzed carbon dioxide/epoxide copolymerization process using in situ ATR/FTIR. Catalysis Today, 2004, 98, 485-492.	4.4	51
118	Anionic group 6 hydrides and carboxylates as homogeneous catalysts for reduction of aldehydes and ketones. Journal of the American Chemical Society, 1986, 108, 5465-5470.	13.7	50
119	Investigations into the steric influences on the reaction mechanism of carbon dioxide insertion into metal-oxygen bonds. Carbonyl sulfide activation as a model for CO2. Inorganic Chemistry, 1991, 30, 2418-2424.	4.0	50
120	Solution and Solid-State Structural Studies of Epoxide Adducts of Cadmium Phenoxides. Chemistry Relevant to Epoxide Activation for Ring-Opening Reactions. Journal of the American Chemical Society, 2002, 124, 7075-7083.	13.7	50
121	Metal Salen Derivatives as Catalysts for the Alternating Copolymerization of Oxetanes and Carbon Dioxide To Afford Polycarbonates. Inorganic Chemistry, 2006, 45, 3831-3833.	4.0	50
122	Thermal and Photochemical Reactivity of Manganese Tricarbonyl and Tetracarbonyl Complexes with a Bulky Diazabutadiene Ligand. Inorganic Chemistry, 2014, 53, 4081-4088.	4.0	50
123	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
124	Intramolecular isomerization of an octahedral complex: bis(tri-n-butylphosphine)molybdenum tetracarbonyl. Inorganic Chemistry, 1979, 18, 14-17.	4.0	49
125	Reduction of carbon dioxide and carbonyl sulfide by anionic Group VIB metal hydrides and alkyls. Carbon-hydrogen and carbon-carbon bond formation processes and the structure of [PNP][Cr(CO)5SC(O)H]. Journal of the American Chemical Society, 1982, 104, 349-350.	13.7	49
126	Mechanistic studies of carbon dioxide insertion into metal hydrides and extrusion from the corresponding metal formates utilizing Group 6 metal carbonyl derivatives as reaction probes. Journal of the American Chemical Society, 1990, 112, 9252-9257.	13.7	49

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127	Copolymerization and Terpolymerization of CO2and Epoxides Using a Soluble Zinc Crotonate Catalyst Precursor. Macromolecules, 1999, 32, 2137-2140.	4.8	49
128	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
129	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
130	Steric contributions to the solid-state structures of bis(phosphine) derivatives of molybdenum carbonyl. X-ray structural studies of cis-Mo(CO)4[PPh3-nMen]2 (n = 0, 1, 2). Inorganic Chemistry, 1982, 21, 294-299.	4.0	48
131	Reaction of (Cy3P)2Ni(H)(CH3) with carbon dioxide. Formation of an hydridonickel formate complex, HNi(O2CH)(Cy3P)2. Journal of the American Chemical Society, 1987, 109, 7539-7540.	13.7	48
132	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
133	Synthesis of CO₂-Derived Poly(indene carbonate) from Indene Oxide Utilizing Bifunctional Cobalt(III) Catalysts. Macromolecules, 2013, 46, 5929-5934.	4.8	47
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