

# Jean-Francois Carpentier

## List of Publications by Year in descending order

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365  
papers

17,655  
citations

12303

69  
h-index

25716

108  
g-index

398  
all docs

398  
docs citations

398  
times ranked

7123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Hydroformylation. <i>Chemical Reviews</i> , 1995, 95, 2485-2506.	23.0	459
2	Metal-catalyzed immortal ring-opening polymerization of lactones, lactides and cyclic carbonates. <i>Dalton Transactions</i> , 2010, 39, 8363.	1.6	449
3	Ring-Opening Polymerization of Lactide with Group 3 Metal Complexes Supported by Dianionic Alkoxy-Amino-Bisphenolate Ligands: Combining High Activity, Productivity, and Selectivity. <i>Chemistry - A European Journal</i> , 2006, 12, 169-179.	1.7	388
4	Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Carbonyl Compounds with 2-Propanol and Ephedrine-Type Ligands. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 67-77.	2.1	298
5	Group 3 metal catalysts for ethylene and $\alpha$ -olefin polymerization. <i>Coordination Chemistry Reviews</i> , 2004, 248, 397-410.	9.5	281
6	Highly Active, Productive, and Syndiospecific Yttrium Initiators for the Polymerization of Racemic $\beta$ -Butyrolactone. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2782-2784.	7.2	265
7	Discrete Cationic Complexes for Ring-Opening Polymerization Catalysis of Cyclic Esters and Epoxides. <i>Chemical Reviews</i> , 2015, 115, 3564-3614.	23.0	244
8	Stereoselective ring-opening polymerization of racemic lactide using alkoxy-amino-bis(phenolate) group 3 metal complexes. <i>Chemical Communications</i> , 2004, , 330.	2.2	243
9	Beyond Stereoselectivity, Switchable Catalysis: Some of the Last Frontier Challenges in Ring-Opening Polymerization of Cyclic Esters. <i>Chemistry - A European Journal</i> , 2015, 21, 7988-8003.	1.7	218
10	Versatile catalytic systems based on complexes of zinc, magnesium and calcium supported by a bulky bis(morpholinomethyl)phenoxy ligand for the large-scale immortal ring-opening polymerisation of cyclic esters. <i>Dalton Transactions</i> , 2009, , 9820.	1.6	208
11	Discrete, Solvent-Free Alkaline-Earth Metal Cations: Metal-Fluorine Interactions and ROP Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2011, 133, 9069-9087.	6.6	202
12	Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Carbonyl Compounds with 2-Propanol and Ephedrine-Type Ligands.. <i>ChemInform</i> , 2003, 34, no.	0.1	193
13	Exploring Electronic versus Steric Effects in Stereoselective Ring-Opening Polymerization of Lactide and $\beta$ -Butyrolactone with Amino-alkoxy-bis(phenolate)-Yttrium Complexes. <i>Chemistry - A European Journal</i> , 2011, 17, 1872-1883.	1.7	193
14	Gallium and indium complexes for ring-opening polymerization of cyclic ethers, esters and carbonates. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1869-1886.	9.5	190
15	Yttrium Complexes as Catalysts for Living and Immortal Polymerization of Lactide to Highly Heterotactic PLA. <i>Macromolecular Rapid Communications</i> , 2007, 28, 693-697.	2.0	186
16	Discrete Metal Catalysts for Stereoselective Ring-Opening Polymerization of Chiral Racemic $\beta$ -Lactones. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1696-1705.	2.0	165
17	Bis(guanidinate) Alkoxide Complexes of Lanthanides: Synthesis, Structures and Use in Immortal and Stereoselective Ring-Opening Polymerization of Cyclic Esters. <i>Chemistry - A European Journal</i> , 2008, 14, 5440-5448.	1.7	158
18	When Bigger Is Better: Intermolecular Hydrofunctionalizations of Activated Alkenes Catalyzed by Heteroleptic Alkaline Earth Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4943-4946.	7.2	157

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19	Rare-Earth Complexes Supported by Tripodal Tetradentate Bis(phenolate) Ligands: A Privileged Class of Catalysts for Ring-Opening Polymerization of Cyclic Esters. <i>Organometallics</i> , 2015, 34, 4175-4189.	1.1	154
20	Syndiotactic-Enriched Poly(3-hydroxybutyrate)s via Stereoselective Ring-Opening Polymerization of Racemic Î²-Butyrolactone with Discrete Yttrium Catalysts. <i>Macromolecules</i> , 2009, 42, 987-993.	2.2	150
21	Chemo- and Enantioselective Hydrosilylation of Carbonyl and Imino Groups. An Emphasis on Non-Traditional Catalyst Systems. <i>Current Organic Chemistry</i> , 2002, 6, 913-936.	0.9	144
22	Highly Syndiospecific Polymerization of Styrene Catalyzed by Allyl Lanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 12240-12241.	6.6	143
23	Controlled ring-opening polymerization of lactide by group 3 metal complexes. <i>Pure and Applied Chemistry</i> , 2007, 79, 2013-2030.	0.9	142
24	Nickel Complexes Based on Tridentate Pyrazolyl Ligands for Highly Efficient Dimerization of Ethylene to 1-Butene. <i>Organometallics</i> , 2006, 25, 1213-1216.	1.1	132
25	{Phenoxy-imine}aluminum versus -indium Complexes for the Immortal ROP of Lactide: Different Stereocontrol, Different Mechanisms. <i>Organometallics</i> , 2013, 32, 1694-1709.	1.1	131
26	Aluminum and Yttrium Complexes of an Unsymmetrical Mixed Fluorous Alkoxy/Phenoxy-Diimino Ligand: Synthesis, Structure, and Ring-Opening Polymerization Catalysis. <i>Organometallics</i> , 2009, 28, 1469-1475.	1.1	129
27	Aluminum Complexes of Fluorinated Dialkoxy-Diimino Salen-like Ligands: Syntheses, Structures, and Use in Ring-Opening Polymerization of Cyclic Esters. <i>Organometallics</i> , 2008, 27, 5815-5825.	1.1	118
28	Organocatalysts for the Controlled "Immortal" Ring-Opening Polymerization of Six-Membered Ring Cyclic Carbonates: A Metal-Free, Green Process. <i>Chemistry - A European Journal</i> , 2010, 16, 13805-13813.	1.7	113
29	Yttrium Complexes Supported by Linked Bis(amide) Ligand: Synthesis, Structure, and Catalytic Activity in the Ring-Opening Polymerization of Cyclic Esters. <i>Inorganic Chemistry</i> , 2009, 48, 4258-4266.	1.9	112
30	Zinc and magnesium complexes supported by bulky multidentate amino-ether phenolate ligands: potent pre-catalysts for the immortal ring-opening polymerisation of cyclic esters. <i>Dalton Transactions</i> , 2011, 40, 523-534.	1.6	111
31	Aluminum and Zinc Complexes Based on an Amino-Bis(pyrazolyl) Ligand: Synthesis, Structures, and Use in MMA and Lactide Polymerization. <i>Inorganic Chemistry</i> , 2007, 46, 328-340.	1.9	110
32	Heteroleptic Alkyl and Amide Iminoanilide Alkaline Earth and Divalent Rare Earth Complexes for the Catalysis of Hydrophosphination and (Cyclo)Hydroamination Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 13445-13462.	1.7	109
33	Bis(dimethylsilyl)amide Complexes of the Alkaline-Earth Metals Stabilized by Î²-Si-H Agostic Interactions: Synthesis, Characterization, and Catalytic Activity. <i>Organometallics</i> , 2010, 29, 6569-6577.	1.1	108
34	[Zinc-Diamine]-Catalyzed Hydrosilylation of Ketones in Methanol. New Developments and Mechanistic Insights. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 289-302.	2.1	106
35	Poly(carbonate-urethane): an isocyanate-free procedure from Î±,Î±'-di(cyclic carbonate) telechelic poly(trimethylene carbonate)s. <i>Green Chemistry</i> , 2011, 13, 266-271.	4.6	104
36	Group 3 and 4 single-site catalysts for stereospecific polymerization of styrene. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2115-2136.	9.5	100

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37	Discrete, Base-Free, Cationic Alkaline-Earth Complexes - Access and Catalytic Activity in the Polymerization of Lactide. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3423-3428.	1.0	98
38	The aminophosphine-phosphinites and related ligands: synthesis, coordination chemistry and enantioselective catalysis. Dedicated to the memory of Professor Francis Petit. <i>Coordination Chemistry Reviews</i> , 1998, 178-180, 1615-1645.	9.5	96
39	Recent advances in metallo/organo-catalyzed immortal ring-opening polymerization of cyclic carbonates. <i>Catalysis Science and Technology</i> , 2012, 2, 898.	2.1	96
40	Enantiopure Isotactic PCHC Synthesized by Ring-Opening Polymerization of Cyclohexene Carbonate. <i>Macromolecules</i> , 2014, 47, 4230-4235.	2.2	95
41	New developments in zinc-catalyzed asymmetric hydrosilylation of ketones with PMHS. <i>Tetrahedron</i> , 2004, 60, 2837-2842.	1.0	94
42	Di(glycerol carbonate) telechelic polyesters and polyolefins as precursors to polyhydroxyurethanes: an isocyanate-free approach. <i>Green Chemistry</i> , 2014, 16, 1947-1956.	4.6	93
43	Recent Advances in Metal-Mediated Stereoselective Ring-Opening Polymerization of Functional Cyclic Esters towards Well-Defined Poly(hydroxy acid)s: From Stereoselectivity to Sequence-Control. <i>Chemistry - A European Journal</i> , 2020, 26, 128-138.	1.7	92
44	Neodymium Alkoxides: Synthesis, Characterization and Their Combinations with Dialkylmagnesiums as Unique Systems for Polymerization and Block Copolymerization of Ethylene and Methyl Methacrylate. <i>Chemistry - A European Journal</i> , 2002, 8, 3773.	1.7	89
45	Chiral (1,2)-Diphenylethylene-Salen Complexes of Tritel Metals: Coordination Patterns and Mechanistic Considerations in the Isolelective ROP of Lactide. <i>Chemistry - A European Journal</i> , 2014, 20, 6131-6147.	1.7	89
46	Synthesis, structure and reactivity of new yttrium bis(dimethylsilyl)amido and bis(trimethylsilyl)methyl complexes of a tetradentate bis(phenoxide) ligand. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 131-136.	0.8	87
47	Indium Complexes of Fluorinated Dialkoxy-Diimino Salen-like Ligands for Ring-Opening Polymerization of Lactide: How Does Indium Compare to Aluminum?. <i>Organometallics</i> , 2012, 31, 1448-1457.	1.1	87
48	A novel and convenient method for palladium-catalysed alkoxy-carbonylation of aryl and vinyl halides using HCO <sub>2</sub> R/NaOR system. <i>Tetrahedron Letters</i> , 1991, 32, 4705-4708.	0.7	85
49	Metal Olefin Complexes. Synthesis, Structures, and Dynamic Properties of (C <sub>5</sub> R <sub>5</sub> ) <sub>2</sub> Zr(OCMe <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> Complexes: Models for the Elusive (C <sub>5</sub> R <sub>5</sub> ) <sub>2</sub> Zr(R)(Olefin)+Intermediates in Metallocene-Based Olefin Polymerization Catalysis. <i>Journal of the American Chemical Society</i> , 2000, 122, 7750-7767.	6.6	82
50	Ultraproductive, Zinc-Mediated, Immortal Ring-Opening Polymerization of Trimethylene Carbonate. <i>Chemistry - A European Journal</i> , 2008, 14, 8772-8775.	1.7	82
51	Heteroleptic Silylamido Phenolate Complexes of Calcium and the Larger Alkaline Earth Metals: Agostic A <sub>2</sub> H Stabilization and Activity in the Ring-Opening Polymerization of Lactide. <i>Chemistry - A European Journal</i> , 2012, 18, 6289-6301.		81
52	Enhancement of Catalytic Activity for Hydroformylation of Methyl Acrylate by Using Biphasic and Supported Aqueous Phase-Systems. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1474-1476.	4.4	79
53	( <sup>η</sup> -Amino alcohol)(arene)ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Functionalized Ketones - Scope, Isolation of the Catalytic Intermediates, and Deactivation Processes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 275-291.	1.2	79
54	Aluminum Complexes of Fluorinated <sup>η</sup> -Diketonate Ligands: Syntheses, Structures, Intramolecular Reduction, and Use in Ring-Opening Polymerization of Lactide. <i>Organometallics</i> , 2010, 29, 491-500.	1.1	79

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55	Mixed Aluminum-Magnesium-Rare Earth Allyl Catalysts for Controlled Isoprene Polymerization: Modulation of Stereocontrol. <i>Macromolecular Rapid Communications</i> , 2006, 27, 338-343.	2.0	78
56	Asymmetric hydrogenation of $\alpha$ -keto acid derivatives by rhodium- $\beta$ -amidophosphine-phosphinite catalysts. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1083-1099.	1.8	77
57	Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids. <i>Tetrahedron</i> , 2003, 59, 2793-2799.	1.0	77
58	Allylansa-Lanthanidocenes: Single-Component, Single-Site Catalysts for Controlled Syndiospecific Styrene and Styrene- $\alpha$ -Ethylene (Co) Polymerization. <i>Chemistry - A European Journal</i> , 2007, 13, 5548-5565.	1.7	77
59	From Syndiotactic Homopolymers to Chemically Tunable Alternating Copolymers: Highly Active Yttrium Complexes for Stereoselective Ring-Opening Polymerization of $\beta$ -Malolactonates. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2687-2691.	7.2	77
60	Chiral aminophosphine phosphinite ligands and related auxiliaries Recent advances in their design, coordination chemistry, and use in enantioselective catalysis. <i>Coordination Chemistry Reviews</i> , 2003, 242, 145-158.	9.5	76
61	Zinc and enolato-magnesium complexes based on bi-, tri- and tetradentate aminophenolate ligands. <i>New Journal of Chemistry</i> , 2008, 32, 2279.	1.4	76
62	An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of $\beta$ -Caprolactone. <i>Organometallics</i> , 2005, 24, 6279-6282.	1.1	75
63	Yttrium- and Aluminum- $\beta$ -Bis(phenolate)pyridine Complexes: Catalysts and Model Compounds of the Intermediates for the Stereoselective Ring-Opening Polymerization of Racemic Lactide and $\beta$ -Butyrolactone. <i>Organometallics</i> , 2014, 33, 309-321.	1.1	75
64	Groups 3 and 4 single-site catalysts for styrene- $\alpha$ -ethylene and styrene- $\alpha$ -olefin copolymerization. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2137-2154.	9.5	74
65	Synthetic and Mechanistic Aspects of the Immortal Ring-Opening Polymerization of Lactide and Trimethylene Carbonate with New Homo- and Heteroleptic Tin(II)-Phenolate Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 2998-3013.	1.7	74
66	Dinuclear vs. mononuclear complexes: accelerated, metal-dependent ring-opening polymerization of lactide. <i>Chemical Communications</i> , 2013, 49, 11692.	2.2	74
67	Nickel vs. palladium catalysts for coupling reactions of allyl alcohol with soft nucleophiles: activities and deactivation processes. <i>Journal of Molecular Catalysis A</i> , 1998, 136, 243-251.	4.8	73
68	Direct Zn- $\beta$ -diamine promoted reduction of C=O and C=N bonds by polymethylhydrosiloxane in methanol. <i>Chemical Communications</i> , 2003, , 332-333.	2.2	72
69	Calcium, Strontium and Barium Homogeneous Catalysts for Fine Chemicals Synthesis. <i>Chemical Record</i> , 2016, 16, 2482-2505.	2.9	71
70	Palladium-catalyzed carbonylative cross-coupling reactions of pyridine halides and aryl boronic acids: a convenient access to $\beta$ -pyridyl ketones. <i>Tetrahedron Letters</i> , 2001, 42, 3689-3691.	0.7	69
71	Aluminum Complexes of Bidentate Fluorinated Alkoxy-Imino Ligands: Syntheses, Structures, and Use in Ring-Opening Polymerization of Cyclic Esters. <i>Organometallics</i> , 2012, 31, 1458-1466.	1.1	69
72	Discrete Divalent Rare-Earth Cationic ROP Catalysts: Ligand-Dependent Redox Behavior and Discrepancies with Alkaline-Earth Analogues in a Ligand-Assisted Activated Monomer Mechanism. <i>Chemistry - A European Journal</i> , 2013, 19, 3986-3994.	1.7	69

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73	Copper(II) Triflate as a Source of Triflic Acid: Effective, Green Catalysis of Hydroalkoxylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2496-2504.	2.1	68
74	Alkali aminoether-phenolate complexes: synthesis, structural characterization and evidence for an activated monomer ROP mechanism. <i>Dalton Transactions</i> , 2013, 42, 9361.	1.6	68
75	Stereoselective synthesis of 3-substituted phthalides via asymmetric transfer hydrogenation using well-defined ruthenium catalysts under neutral conditions. <i>Tetrahedron Letters</i> , 2001, 42, 1899-1901.	0.7	67
76	Group 3 metal complexes based on a chiral tetradentate diamine-diamide ligand: Synthesis and use in polymerization of (d,l)-lactide and intramolecular alkene hydroamination catalysis. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 163-168.	4.8	66
77	Group 3 metal complexes supported by tridentate pyridine- and thiophene-linked bis(naphtholate) ligands: synthesis, structure, and use in stereoselective ring-opening polymerization of racemic lactide and $\beta$ -butyrolactone. <i>Dalton Transactions</i> , 2010, 39, 6739.	1.6	66
78	A dual organic/organometallic approach for catalytic ring-opening polymerization. <i>Chemical Communications</i> , 2011, 47, 9828.	2.2	66
79	Pentacoordinated Carboxylate $\pi$ -Allyl Nickel Complexes as Key Intermediates for the Ni-Catalyzed Direct Amination of Allylic Alcohols. <i>Chemistry - A European Journal</i> , 2015, 21, 14571-14578.	1.7	66
80	Amidophosphine $\pi$ -Phosphinites: Synthesis and Use in Rhodium-Based Asymmetric Hydrogenation of Activated Keto Compounds. Crystal Structure of Bis[(1/4-chloro)((S)-2-((diphenylphosphino)oxy)-2-phenyl)-]Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (N-(diphenylphosphino)-N-methyl-2-phenylamino)phosphine oxide. <i>Journal of Molecular Catalysis A</i> , 2014, 328, 103-111.	1.1	65
81	Highly selective nickel catalysts for ethylene oligomerization based on tridentate pyrazolyl ligands. <i>Journal of Molecular Catalysis A</i> , 2008, 288, 58-62.	4.8	65
82	Aluminum, Indium, and Mixed Yttrium-Lithium Complexes Supported by a Chiral Binap-Based Fluorinated Dialkoxide: Structural Features and Heteroselective ROP of Lactide. <i>Organometallics</i> , 2014, 33, 5740-5748.	1.1	65
83	Barium-Mediated Cross-Dehydrocoupling of Hydrosilanes with Amines: A Theoretical and Experimental Approach. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7679-7683.	7.2	65
84	New Chiral 1,2-Diamines and Their Use in Zinc-Catalyzed Asymmetric Hydrosilylation of Acetophenone. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3040-3045.	1.2	63
85	Highly Isospecific Styrene Polymerization Catalyzed by Single-Component Bridged Bis(indenyl) Allyl Yttrium and Neodymium Complexes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7240-7243.	7.2	63
86	Rare-Earth Complexes with Multidentate Tethered Phenoxy-Amidinate Ligands: Synthesis, Structure, and Activity in Ring-Opening Polymerization of Lactide. <i>Organometallics</i> , 2011, 30, 5509-5523.	1.1	63
87	Lewis Acid/Hexafluoroisopropanol: A Promoter System for Selective <i>ortho</i> -C-Alkylation of Anilines with Deactivated Styrene Derivatives and Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 10794-10802.	5.5	63
88	Divalent Heteroleptic Ytterbium Complexes as Effective Catalysts for Intermolecular Styrene Hydrophosphination and Hydroamination. <i>Inorganic Chemistry</i> , 2014, 53, 1654-1661.	1.9	62
89	Bis[bis(oxazolinato)] Complexes of Yttrium and Lanthanum: Molecular Structure and Use in Polymerization of dl-Lactide and $\beta$ -Butyrolactone. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3652-3658.	1.0	61
90	Chromium Catalysts Based on Tridentate Pyrazolyl Ligands for Ethylene Oligomerization. <i>Organometallics</i> , 2007, 26, 4010-4014.	1.1	61

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91	Group 3 Metal Complexes of Salen-like Fluorous Dialkoxy <sup>π</sup> -Diimino Ligands: Synthesis, Structure, and Application in Ring-Opening Polymerization of <i>rac</i> -Lactide and <i>rac</i> - $\beta$ -Butyrolactone. <i>Organometallics</i> , 2008, 27, 5691-5698.	1.1	61
92	Cyclohydroamination of Aminoalkenes Catalyzed by Disilazide Alkaline-Earth Metal Complexes: Reactivity Patterns and Deactivation Pathways. <i>Chemistry - A European Journal</i> , 2013, 19, 2784-2802.	1.7	61
93	Are Solvent and Dispersion Effects Crucial in Olefin Polymerization DFT Calculations? Some Insights from Propylene Coordination and Insertion Reactions with Group 3 and 4 Metallocenes. <i>ACS Catalysis</i> , 2015, 5, 416-425.	5.5	61
94	Controlled ROP of $\beta$ -Butyrolactone Simply Mediated by Amidine, Guanidine, and Phosphazene Organocatalysts. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1938-1944.	2.0	60
95	Polycarbonates Derived from Green Acids: Ring-Opening Polymerization of Seven-Membered Cyclic Carbonates. <i>Macromolecules</i> , 2010, 43, 8007-8017.	2.2	59
96	Macromolecular engineering viaring-opening polymerization (1):<sc> </sc>-lactide/trimethylene carbonate block copolymers as thermoplastic elastomers. <i>Polymer Chemistry</i> , 2013, 4, 1095-1106.	1.9	59
97	Steric <i>vs.</i> electronic stereocontrol in syndio- or iso-selective ROP of functional chiral $\beta$ -lactones mediated by achiral yttrium-bisphenolate complexes. <i>Chemical Communications</i> , 2018, 54, 8024-8031.	2.2	59
98	Lanthanide Borohydride Complexes of Bulky Guanidinate Ligands [(Me <sub>3</sub> Si) <sub>2</sub> NC(N-Cy) <sub>2</sub> ] <sub>2</sub> Ln( $\eta$ -4-BH <sub>4</sub> ) <sub>2</sub> Li(THF) <sub>2</sub> (Ln = Nd, Sm, Yb): Synthesis, Structure and Catalytic Activity in Lactide Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3260-3267.	1.0	58
99	Zinc complexes of fluorous alkoxide-imino ligands: Synthesis, structure, and use in ring-opening polymerization of lactide and $\beta$ -butyrolactone. <i>Dalton Transactions</i> , 2009, , 9010.	1.6	58
100	Discrete Cationic Zinc and Magnesium Complexes for Dual Organic/Organometallic $\epsilon$ -Catalyzed Ring $\epsilon$ -Opening Polymerization of Trimethylene Carbonate. <i>Chemistry - A European Journal</i> , 2012, 18, 9360-9370.	1.7	58
101	Poly(hydroxyalkanoate) Block or Random Copolymers of $\beta$ -Butyrolactone and Benzyl $\beta$ -Malolactone: A Matter of Catalytic Tuning. <i>Macromolecules</i> , 2013, 46, 6765-6776.	2.2	58
102	Chromium(III) Complexes of Sterically Crowded Bidentate {ON<sup>R</sup>} and Tridentate {ONN<sup>R</sup>} Naphthoxy-Imine Ligands: Syntheses, Structures, and Use in Ethylene Oligomerization. <i>Organometallics</i> , 2009, 28, 2401-2409.	1.1	56
103	Heteroleptic Tin(II) Initiators for the Ring $\epsilon$ -Opening (Co)Polymerization of Lactide and Trimethylene Carbonate: Mechanistic Insights from Experiments and Computations. <i>Chemistry - A European Journal</i> , 2013, 19, 13463-13478.	1.7	56
104	Bis(aminophosphine)-nickel complexes as efficient catalysts for alkylation of allylic acetates with stabilized nucleophiles. <i>Tetrahedron Letters</i> , 1996, 37, 6105-6108.	0.7	55
105	$\epsilon$ -Constrained Geometry $\epsilon$ -Group 3 Metal Complexes of the Fluorenyl-Based Ligands [(3,6-tBu <sub>2</sub> Flu)SiR <sub>2</sub> NtBu]: $\epsilon$ Synthesis, Structural Characterization, and Polymerization Activity. <i>Organometallics</i> , 2003, 22, 4467-4479.	1.1	55
106	Solution Structures and Dynamic Properties of Chelated d <sup>0</sup> Metal Olefin Complexes { $\eta$ -5- $\Delta$ -1-C <sub>5</sub> R <sub>4</sub> SiMe <sub>2</sub> NtBu}Ti(OCMe <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> )+(R = H, Me): $\epsilon$ Models for the { $\eta$ -5- $\Delta$ -1-C <sub>5</sub> R <sub>4</sub> SiMe <sub>2</sub> NtBu}Ti(R $\epsilon$ <sup>-</sup> )(olefin)+Intermediates in $\epsilon$ -Constrained Geometry $\epsilon$ -Catalysts. <i>Journal of the American Chemical Society</i> , 2001, 123, 898-909.	6.6	54
107	Groups 2 and 3 metal complexes incorporating fluorenyl ligands. <i>Coordination Chemistry Reviews</i> , 2005, 249, 1221-1248.	9.5	54
108	Poly(trimethylene carbonate) from Biometals $\epsilon$ -Based Initiators/Catalysts: Highly Efficient Immortal Ring $\epsilon$ -Opening Polymerization Processes. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1312-1324.	2.1	54

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109	C2-Symmetric Fluorous Diamino-Dialkoxide Complexes of Early Transition Metals. <i>Organometallics</i> , 2004, 23, 5450-5458.	1.1	53
110	Diamido-Ether Actinide Complexes as Initiators for Lactide Ring-Opening Polymerization. <i>Organometallics</i> , 2013, 32, 1183-1192.	1.1	53
111	Palladium-catalyzed carbon-carbon bond formation from (1-6-chloroarene)Cr(CO) <sub>3</sub> complexes an example of bimetallic activation in homogeneous catalysis. <i>Journal of Molecular Catalysis</i> , 1993, 81, 1-15.	1.2	50
112	Neodymium alk(aryl)oxides-dialkylmagnesium systems for butadiene polymerization and copolymerization with styrene and glycidyl methacrylate. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 44-55.	0.8	50
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