Jean-Francois Carpentier

List of Publications by Year
in descending order

366 papers	17,655 citations	12330 69 h-index	25787 108 g-index
398 all docs	398 docs citations	398 times ranked	7123 citing authors

#	Article	IF	Citations
1	Asymmetric Hydroformylation. Chemical Reviews, 1995, 95, 2485-2506.	47.7	459
2	Metal-catalyzed immortal ring-opening polymerization of lactones, lactides and cyclic carbonates. Dalton Transactions, 2010, 39, 8363.	3.3	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. Chemistry - A European Journal, 2006, 12, 169-179.	3.3	388
4	Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Carbonyl Compounds with 2-Propanol and Ephedrine-Type Ligands. Advanced Synthesis and Catalysis, 2003, 345, 67-77.	4.3	298
5	Group 3 metal catalysts for ethylene and Î±-olefin polymerization. Coordination Chemistry Reviews, 2004, 248, 397-410.	18.8	281
6	Highly Active, Productive, and Syndiospecific Yttrium Initiators for the Polymerization of Racemic Î²-Butyrolactone. Angewandte Chemie - International Edition, 2006, 45, 2782-2784.	13.8	265
7	Discrete Cationic Complexes for Ring-Opening Polymerization Catalysis of Cyclic Esters and Epoxides. Chemical Reviews, 2015, 115, 3564-3614.	47.7	244
8	Stereoselective ring-opening polymerization of racemic lactide using alkoxy-amino-bis(phenolate) group 3 metal complexes. Chemical Communications, 2004, , 330.	4.1	243
9	Beyond Stereoselectivity, Switchable Catalysis: Some of the Last Frontier Challenges in Ringâ€Opening Polymerization of Cyclic Esters. Chemistry - A European Journal, 2015, 21, 7988-8003.	3.3	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. Dalton Transactions, 2009, , 9820.	3.3	208
11	Discrete, Solvent-Free Alkaline-Earth Metal Cations: MetalÂ·Â·Â·Fluorine Interactions and ROP Catalytic Activity. Journal of the American Chemical Society, 2011, 133, 9069-9087.	13.7	202
12	Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Carbonyl Compounds with 2-Propanol and Ephedrine-Type Ligands.. ChemInform, 2003, 34, no.	0.0	193
13	Exploring Electronic versus Steric Effects in Stereoselective Ringâ€Opening Polymerization of Lactide and Î²â€Butyrolactone with Aminoâ€alkoxyâ€bis(phenolate)â€“Yttrium Complexes. Chemistry - A European Journal, 2011, 17, 1872-1883.	3.3	193
14	Gallium and indium complexes for ring-opening polymerization of cyclic ethers, esters and carbonates. Coordination Chemistry Reviews, 2013, 257, 1869-1886.	18.8	190
15	Yttrium Complexes as Catalysts for Living and Immortal Polymerization of Lactide to Highly Heterotactic PLA. Macromolecular Rapid Communications, 2007, 28, 693-697.	3.9	186
16	Discrete Metal Catalysts for Stereoselective Ringâ€Opening Polymerization of Chiral Racemic Î²â€Lactones. Macromolecular Rapid Communications, 2010, 31, 1696-1705.	3.9	165
17	Bis(guanidinate) Alkoxide Complexes of Lanthanides: Synthesis, Structures and Use in Immortal and Stereoselective Ringâ€Opening Polymerization of Cyclic Esters. Chemistry - A European Journal, 2008, 14, 5440-5448.	3.3	158
18	When Bigger Is Better: Intermolecular Hydrofunctionalizations of Activated Alkenes Catalyzed by Heteroleptic Alkaline Earth Complexes. Angewandte Chemie - International Edition, 2012, 51, 4943-4946.	13.8	157

#	Article	IF	Citations
19	Rare-Earth Complexes Supported by Tripodal Tetradentate Bis(phenolate) Ligands: A Privileged Class of Catalysts for Ring-Opening Polymerization of Cyclic Esters. Organometallics, 2015, 34, 4175-4189.	2.3	154
20	Syndiotactic-Enriched Poly(3-hydroxybutyrate)s via Stereoselective Ring-Opening Polymerization of Racemic Î²-Butyrolactone with Discrete Yttrium Catalysts. Macromolecules, 2009, 42, 987-993.	4.8	150
21	Chemo- and Enantioselective Hydrosilylation of Carbonyl and Imino Groups. An Emphasis on Non-Traditional Catalyst Systems. Current Organic Chemistry, 2002, 6, 913-936.	1.6	144
22	Highly Syndiospecific Polymerization of Styrene Catalyzed by Allyl Lanthanide Complexes. Journal of the American Chemical Society, 2004, 126, 12240-12241.	13.7	143
23	Controlled ring-opening polymerization of lactide by group 3 metal complexes. Pure and Applied Chemistry, 2007, 79, 2013-2030.	1.9	142
24	Nickel Complexes Based on Tridentate Pyrazolyl Ligands for Highly Efficient Dimerization of Ethylene to 1-Butene. Organometallics, 2006, 25, 1213-1216.	2.3	132
25	{Phenoxy-imine}aluminum versus -indium Complexes for the Immortal ROP of Lactide: Different Stereocontrol, Different Mechanisms. Organometallics, 2013, 32, 1694-1709.	2.3	131
26	Aluminum and Yttrium Complexes of an Unsymmetrical Mixed Fluorous Alkoxy/Phenoxy-Diimino Ligand: Synthesis, Structure, and Ring-Opening Polymerization Catalysis. Organometallics, 2009, 28, 1469-1475.	2.3	129
27	Aluminum Complexes of Fluorinated Dialkoxy-Diimino Salen-like Ligands: Syntheses, Structures, and Use in Ring-Opening Polymerization of Cyclic Esters. Organometallics, 2008, 27, 5815-5825.	2.3	118
28	Organocatalysts for the Controlled â€œImmortalâ€•Ringâ€Opening Polymerization of Sixâ€Memberedâ€Ring Cyclic Carbonates: A Metalâ€Free, Green Process. Chemistry - A European Journal, 2010, 16, 13805-13813.	3.3	113
29	Yttrium Complexes Supported by Linked Bis(amide) Ligand: Synthesis, Structure, and Catalytic Activity in the Ring-Opening Polymerization of Cyclic Esters. Inorganic Chemistry, 2009, 48, 4258-4266.	4.0	112
30	Zinc and magnesium complexes supported by bulky multidentate amino-ether phenolate ligands: potent pre-catalysts for the immortalring-opening polymerisation of cyclic esters. Dalton Transactions, 2011, 40, 523-534.	3.3	111
31	Aluminum and Zinc Complexes Based on an Amino-Bis(pyrazolyl) Ligand:Â Synthesis, Structures, and Use in MMA and Lactide Polymerization. Inorganic Chemistry, 2007, 46, 328-340.	4.0	110
32	Heteroleptic Alkyl and Amide Iminoanilide Alkaline Earth and Divalent Rare Earth Complexes for the Catalysis of Hydrophosphination and (Cyclo)Hydroamination Reactions. Chemistry - A European Journal, 2013, 19, 13445-13462.	3.3	109
33	Bis(dimethylsilyl)amide Complexes of the Alkaline-Earth Metals Stabilized by Î²-Siâ‹¯H Agostic Interactions: Synthesis, Characterization, and Catalytic Activity. Organometallics, 2010, 29, 6569-6577.	2.3	108
34	[Zinc-Diamine]-Catalyzed Hydrosilylation of Ketones in Methanol. New Developments and Mechanistic Insights. Advanced Synthesis and Catalysis, 2005, 347, 289-302.	4.3	106
35	Poly(carbonate-urethane): an isocyanate-free procedure from Î±,Ï‰-di(cyclic carbonate) telechelic poly(trimethylene carbonate)s. Green Chemistry, 2011, 13, 266-271.	9.0	104
36	Group 3 and 4 single-site catalysts for stereospecific polymerization of styrene. Coordination Chemistry Reviews, 2008, 252, 2115-2136.	18.8	100

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37	Discrete, Base-Free, Cationic Alkaline-Earth Complexes - Access and Catalytic Activity in the Polymerization of Lactide. European Journal of Inorganic Chemistry, 2010, 2010, 3423-3428.	2.0	98
38	The aminophosphine-phosphinites and related ligands: synthesis, coordination chemistry and enantioselective catalysis1Dedicated to the memory of Professor Francis Petit1. Coordination Chemistry Reviews, 1998, 178-180, 1615-1645.	18.8	96
39	Recent advances in metallo/organo-catalyzed immortal ring-opening polymerization of cyclic carbonates. Catalysis Science and Technology, 2012, 2, 898.	4.1	96
40	Enantiopure Isotactic PCHC Synthesized by Ring-Opening Polymerization of Cyclohexene Carbonate. Macromolecules, 2014, 47, 4230-4235.	4.8	95
41	New developments in zinc-catalyzed asymmetric hydrosilylation of ketones with PMHS. Tetrahedron, 2004, 60, 2837-2842.	1.9	94
42	Î±,Ï‰-Di(glycerol carbonate) telechelic polyesters and polyolefins as precursors to polyhydroxyurethanes: an isocyanate-free approach. Green Chemistry, 2014, 16, 1947-1956.	9.0	93
43	Recent Advances in Metalâ€Mediated Stereoselective Ringâ€Opening Polymerization of Functional Cyclic Esters towards Wellâ€Defined Poly(hydroxy acid)s: From Stereoselectivity to Sequenceâ€Control. Chemistry - A European Journal, 2020, 26, 128-138.	3.3	92
44	Neodymium Alkoxides: Synthesis, Characterization and Their Combinations with Dialkylmagnesiums as Unique Systems for Polymerization and Block Copolymerization of Ethylene and Methyl Methacrylate. Chemistry - A European Journal, 2002, 8, 3773.	3.3	89
45	Chiral (1,2)â€Diphenylethyleneâ€Salen Complexes of Triel Metals: Coordination Patterns and Mechanistic Considerations in the Isoselective ROP of Lactide. Chemistry - A European Journal, 2014, 20, 6131-6147.	3.3	89
46	Synthesis, structure and reactivity of new yttrium bis(dimethylsilyl)amido and bis(trimethylsilyl)methyl complexes of a tetradentate bis(phenoxide) ligand. Journal of Organometallic Chemistry, 2003, 683, 131-136.	1.8	87
47	Indium Complexes of Fluorinated Dialkoxy-Diimino Salen-like Ligands for Ring-Opening Polymerization ofrac-Lactide: How Does Indium Compare to Aluminum?. Organometallics, 2012, 31, 1448-1457.	2.3	87
48	A novel and convenient method for palladium-catalysed alkoxycarbonylation of aryl and vinyl halides using HCO2R/NaOR system. Tetrahedron Letters, 1991, 32, 4705-4708.	1.4	85
49	d0Metal Olefin Complexes. Synthesis, Structures, and Dynamic Properties of (C5R5)2Zr(OCMe2CH2CH2CHCH2)+Complexes:Â Models for the Elusive (C5R5)2Zr(R)(Olefin)+Intermediates in Metallocene-Based Olefin Polymerization Catalysis. Journal of the American Chemical Society, 2000, 122, 7750-7767.	13.7	82
50	Ultraproductive, Zincâ€Mediated, Immortal Ringâ€Opening Polymerization of Trimethylene Carbonate. Chemistry - A European Journal, 2008, 14, 8772-8775.	3.3	82
51	Heteroleptic Silylamido Phenolate Complexes of Calcium and the Larger Alkaline Earth Metals: Î²â€Agostic Aeâ‹…â‹…â‹…Siï£¿H Stabilization and Activity in the Ringâ€Opening Polymerization of <scp>L</scp>â€Lactide. Chemistry - A European Journal, 2012, 18, 6289-6301.	3.3	81
52	Enhancement of Catalytic Activity for Hydroformylation of Methyl Acrylate by Using Biphasic andâ€œSupported Aqueous Phaseâ€•Systems. Angewandte Chemie International Edition in English, 1995, 34, 1474-1476.	4.4	79
53	(Î²-Amino alcohol)(arene)ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Functionalized Ketones â^' Scope, Isolation of the Catalytic Intermediates, and Deactivation Processes. European Journal of Organic Chemistry, 2001, 2001, 275-291.	2.4	79
54	Aluminum Complexes of Fluorinated Î²-Diketonate Ligands: Syntheses, Structures, Intramolecular Reduction, and Use in Ring-Opening Polymerization of Lactide. Organometallics, 2010, 29, 491-500.	2.3	79

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55	Mixed Aluminum-Magnesium-Rare Earth Allyl Catalysts for Controlled Isoprene Polymerization: Modulation of Stereocontrol. Macromolecular Rapid Communications, 2006, 27, 338-343.	3.9	78
56	Asymmetric hydrogenation of Î±-keto acid derivatives by rhodium-}amidophosphine-phosphinite{ catalysts. Tetrahedron: Asymmetry, 1997, 8, 1083-1099.	1.8	77
57	Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids. Tetrahedron, 2003, 59, 2793-2799.	1.9	77
58	Allylansa-Lanthanidocenes: Single-Component, Single-Site Catalysts for Controlled Syndiospecific Styrene and Styreneâ€“Ethylene (Co)Polymerization. Chemistry - A European Journal, 2007, 13, 5548-5565.	3.3	77
59	From Syndiotactic Homopolymers to Chemically Tunable Alternating Copolymers: Highly Active Yttrium Complexes for Stereoselective Ringâ€Opening Polymerization of Î²â€Malolactonates. Angewandte Chemie - International Edition, 2014, 53, 2687-2691.	13.8	77
60	Chiral aminophosphine phosphinite ligands and related auxiliaries Recent advances in their design, coordination chemistry, and use in enantioselective catalysis. Coordination Chemistry Reviews, 2003, 242, 145-158.	18.8	76
61	Zinc and enolato-magnesium complexes based on bi-, tri- and tetradentate aminophenolate ligands. New Journal of Chemistry, 2008, 32, 2279.	2.8	76
62	An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of Îµ-Caprolactone. Organometallics, 2005, 24, 6279-6282.	2.3	75
63	Yttriumâ€“ and Aluminumâ€“Bis(phenolate)pyridine Complexes: Catalysts and Model Compounds of the Intermediates for the Stereoselective Ring-Opening Polymerization of Racemic Lactide and Î²-Butyrolactone. Organometallics, 2014, 33, 309-321.	2.3	75
64	Groups 3 and 4 single-site catalysts for styreneâ€“ethylene and styreneâ€“Î±-olefin copolymerization. Coordination Chemistry Reviews, 2008, 252, 2137-2154.	18.8	74
65	Synthetic and Mechanistic Aspects of the Immortal Ringâ€Opening Polymerization of Lactide and Trimethylene Carbonate with New Homoâ€and Heteroleptic Tin(II)â€Phenolate Catalysts. Chemistry - A European Journal, 2012, 18, 2998-3013.	3.3	74
66	Dinuclear vs. mononuclear complexes: accelerated, metal-dependent ring-opening polymerization of lactide. Chemical Communications, 2013, 49, 11692.	4.1	74
67	Nickel vs. palladium catalysts for coupling reactions of allyl alcohol with soft nucleophiles: activities and deactivation processes. Journal of Molecular Catalysis A, 1998, 136, 243-251.	4.8	73
68	Direct Znâ€“diamine promoted reduction of Cî€O and Cî€N bonds by polymethylhydrosiloxane in methanol. Chemical Communications, 2003, , 332-333.	4.1	72
69	Calcium, Strontium and Barium Homogeneous Catalysts for Fine Chemicals Synthesis. Chemical Record, 2016, 16, 2482-2505.	5.8	71
70	Palladium-catalyzed carbonylative cross-coupling reactions of pyridine halides and aryl boronic acids: a convenient access to Î±-pyridyl ketones. Tetrahedron Letters, 2001, 42, 3689-3691.	1.4	69
71	Aluminum Complexes of Bidentate Fluorinated Alkoxy-Imino Ligands: Syntheses, Structures, and Use in Ring-Opening Polymerization of Cyclic Esters. Organometallics, 2012, 31, 1458-1466.	2.3	69
72	Discrete Divalent Rareâ€Earth Cationic ROP Catalysts: Ligandâ€Dependent Redox Behavior and Discrepancies with Alkalineâ€Earth Analogues in a Ligandâ€Assisted Activated Monomer Mechanism. Chemistry - A European Journal, 2013, 19, 3986-3994.	3.3	69

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73	Copper(II) Triflate as a Source of Triflic Acid: Effective, Green Catalysis of Hydroalkoxylation Reactions. Advanced Synthesis and Catalysis, 2009, 351, 2496-2504.	4.3	68
74	Alkali aminoether-phenolate complexes: synthesis, structural characterization and evidence for an activated monomer ROP mechanism. Dalton Transactions, 2013, 42, 9361.	3.3	68
75	Stereoselective synthesis of 3-substituted phtalides via asymmetric transfer hydrogenation using well-defined ruthenium catalysts under neutral conditions. Tetrahedron Letters, 2001, 42, 1899-1901.	1.4	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. Journal of Molecular Catalysis A, 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 Î²-butyrolactone. Dalton Transactions, 2010, 39, 6739.	3.3	66
78	A dual organic/organometallic approach for catalytic ring-opening polymerization. Chemical Communications, 2011, 47, 9828.	4.1	66
79	Pentacoordinated Carboxylate Ï€â€Allyl Nickel Complexes as Key Intermediates for the Niâ€Catalyzed Direct Amination of Allylic Alcohols. Chemistry - A European Journal, 2015, 21, 14571-14578.	3.3	66
80	Amidophosphineâ^'Phosphinites:â€‰ Synthesis and Use in Rhodium-Based Asymmetric Hydrogenation of Activated Keto Compounds. Crystal Structure of Bis[(Î¼-chloro)((S)-2-((diphenylphosphino)oxy)-2-phenyl-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (N-(diphenylphosphino)-N-methy	2.3	65
81	Highly selective nickel catalysts for ethylene oligomerization based on tridentate pyrazolyl ligands. Journal of Molecular Catalysis A, 2008, 288, 58-62.	4.8	65
82	Aluminum, Indium, and Mixed Yttriumâ€“Lithium Complexes Supported by a Chiral Binap-Based Fluorinated Dialkoxide: Structural Features and Heteroselective ROP of Lactide. Organometallics, 2014, 33, 5740-5748.	2.3	65
83	Bariumâ€Mediated Crossâ€Dehydrocoupling of Hydrosilanes with Amines: A Theoretical and Experimental Approach. Angewandte Chemie - International Edition, 2015, 54, 7679-7683.	13.8	65
84	New Chiral 1,2-Diamines and Their Use in Zinc-Catalyzed Asymmetric Hydrosilylation of Acetophenone. European Journal of Organic Chemistry, 2004, 2004, 3040-3045.	2.4	63
85	Highly Isospecific Styrene Polymerization Catalyzed by Singleâ€Component Bridged Bis(indenyl) Allyl Yttrium and Neodymium Complexes. Angewandte Chemie - International Edition, 2007, 46, 7240-7243.	13.8	63
86	Rare-Earth Complexes with Multidentate Tethered Phenoxy-Amidinate Ligands: Synthesis, Structure, and Activity in Ring-Opening Polymerization of Lactide. Organometallics, 2011, 30, 5509-5523.	2.3	63
87	Lewis Acid/Hexafluoroisopropanol: A Promoter System for Selective ortho-C-Alkylation of Anilines with Deactivated Styrene Derivatives and Unactivated Alkenes. ACS Catalysis, 2020, 10, 10794-10802.	11.2	63
88	Divalent Heteroleptic Ytterbium Complexes â€“ Effective Catalysts for Intermolecular Styrene Hydrophosphination and Hydroamination. Inorganic Chemistry, 2014, 53, 1654-1661.	4.0	62
89	Bis[bis(oxazolinato)] Complexes of Yttrium and Lanthanum: Molecular Structure and Use in Polymerization ofdl-Lactide anddl-Î²-Butyrolactone. European Journal of Inorganic Chemistry, 2006, 2006, 3652-3658.	2.0	61
90	Chromium Catalysts Based on Tridentate Pyrazolyl Ligands for Ethylene Oligomerization. Organometallics, 2007, 26, 4010-4014.	2.3	61

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91	Group 3 Metal Complexes of Salen-like Fluorous Dialkoxyâ^'Diimino Ligands: Synthesis, Structure, and Application in Ring-Opening Polymerization of rac-Lactide and rac-Î²-Butyrolactone. Organometallics, 2008, 27, 5691-5698.	2.3	61
92	Cyclohydroamination of Aminoalkenes Catalyzed by Disilazide Alkalineâ€Earth Metal Complexes: Reactivity Patterns and Deactivation Pathways. Chemistry - A European Journal, 2013, 19, 2784-2802.	3.3	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. ACS Catalysis, 2015, 5, 416-425.	11.2	61
94	Controlled ROP of Î²â€Butyrolactone Simply Mediated by Amidine, Guanidine, and Phosphazene Organocatalysts. Macromolecular Rapid Communications, 2012, 33, 1938-1944.	3.9	60
95	Polycarbonates Derived from Green Acids: Ring-Opening Polymerization of Seven-Membered Cyclic Carbonates. Macromolecules, 2010, 43, 8007-8017.	4.8	59
96	Macromolecular engineering viaring-opening polymerization (1):<scp>l</scp>-lactide/trimethylene carbonate block copolymers as thermoplastic elastomers. Polymer Chemistry, 2013, 4, 1095-1106.	3.9	59
97	Steric vs. electronic stereocontrol in syndio- or iso-selective ROP of functional chiral Î²-lactones mediated by achiral yttrium-bisphenolate complexes. Chemical Communications, 2018, 54, 8024-8031.	4.1	59
98	Lanthanide Borohydride Complexes of Bulky Guanidinate Ligands [(Me3Si)2NC(N-Cy)2]2Ln(Î¼-BH4)2Li(THF)2 (Ln = Nd, Sm, Yb): Synthesis, Structure and Catalytic Activity in Lactide Polymerization. European Journal of Inorganic Chemistry, 2007, 2007, 3260-3267.	2.0	58
99	Zinc complexes of fluorous alkoxide-imino ligands: Synthesis, structure, and use in ring-opening polymerization of lactide and Î²-butyrolactone. Dalton Transactions, 2009, , 9010.	3.3	58
100	Discrete Cationic Zinc and Magnesium Complexes for Dual Organic/Organometallicâ€Catalyzed Ringâ€Opening Polymerization of Trimethylene Carbonate. Chemistry - A European Journal, 2012, 18, 9360-9370.	3.3	58
101	Poly(hydroxyalkanoate) Block or Random Copolymers of Î²-Butyrolactone and Benzyl Î²-Malolactone: A Matter of Catalytic Tuning. Macromolecules, 2013, 46, 6765-6776.	4.8	58
102	Chromium(III) Complexes of Sterically Crowded Bidentante {ON^R} and Tridentate {ONN^R} Naphthoxy-Imine Ligands: Syntheses, Structures, and Use in Ethylene Oligomerization. Organometallics, 2009, 28, 2401-2409.	2.3	56
103	Heteroleptic Tin(II) Initiators for the Ringâ€Opening (Co)Polymerization of Lactide and Trimethylene Carbonate: Mechanistic Insights from Experiments and Computations. Chemistry - A European Journal, 2013, 19, 13463-13478.	3.3	56
104	Bis(aminophosphine)-nickel complexes as efficient catalysts for alkylation of allylic acetates with stabilized nucleophiles. Tetrahedron Letters, 1996, 37, 6105-6108.	1.4	55
105	â€œConstrained Geometryâ€•Group 3 Metal Complexes of the Fluorenyl-Based Ligands [(3,6-tBu2Flu)SiR2NtBu]:Â Synthesis, Structural Characterization, and Polymerization Activity. Organometallics, 2003, 22, 4467-4479.	2.3	55
106	Solution Structures and Dynamic Properties of Chelated d0Metal Olefin Complexes {Î·5:Â·Î·1-C5R4SiMe2NtBu}Ti(OCMe2CH2CH2CHCH2)+(R = H, Me):Â Models for the {Î·5:Â·Î·1-C5R4SiMe2NtBu}Ti(Râ€¯)(olefin)+Intermediates in â€œConstrained Geometryâ€•Catalysts. Journal of the American Chemical Society, 2001, 123, 898-909.	13.7	54
107	Groups 2 and 3 metal complexes incorporating fluorenyl ligands. Coordination Chemistry Reviews, 2005, 249, 1221-1248.	18.8	54
108	Poly(trimethylene carbonate) from Biometalsâ€Based Initiators/Catalysts: Highly Efficient Immortal Ringâ€Opening Polymerization Processes. Advanced Synthesis and Catalysis, 2009, 351, 1312-1324.	4.3	54

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109	C2-Symmetric Fluorous Diamino-Dialkoxide Complexes of Early Transition Metals. Organometallics, 2004, 23, 5450-5458.	2.3	53
110	Diamido-Ether Actinide Complexes as Initiators for Lactide Ring-Opening Polymerization. Organometallics, 2013, 32, 1183-1192.	2.3	53
111	Palladium-catalyzed carbonâ€"carbon bond formation from (Î·6-chloroarene)Cr(CO)3 complexes an example of bimetallic activation in homogeneous catalysis. Journal of Molecular Catalysis, 1993, 81, 1-15.	1.2	50
112	Neodymium alk(aryl)oxidesâ€"dialkylmagnesium systems for butadiene polymerization and copolymerization with styrene and glycidyl methacrylate. Journal of Organometallic Chemistry, 2003, 683, 44-55.	1.8	50
113	Immortal ring-opening polymerization of Î²-butyrolactone with zinc catalysts: Catalytic approach to poly(3-hydroxyalkanoate). Polymer, 2009, 50, 5909-5917.	3.8	50
114	Metal Triflates as Highly Stable and Active Catalysts for the â€œImmortalâ€•Ringâ€Opening Polymerization of Trimethylene Carbonate. ChemCatChem, 2010, 2, 306-313.	3.7	50
115	Expanded Scope of Supported Aqueous Phase Catalysis: Efficient Rhodium-Catalyzed Hydroformylation of Î±,Î²-Unsaturated Esters. Journal of Catalysis, 1996, 162, 339-348.	6.2	49
116	Highly Effective and Green Catalytic Approach Toward Î±,Ï‰â€Dihydroxyâ€Telechelic Poly(trimethylenecarbonate). Macromolecular Rapid Communications, 2009, 30, 2128-2135.	3.9	49
117	Stable divalent germanium, tin and lead amino(ether)-phenolate monomeric complexes: structural features, inclusion heterobimetallic complexes, and ROP catalysis. Dalton Transactions, 2014, 43, 4268-4286.	3.3	49
118	Alkalineâ€Earthâ€Catalysed Crossâ€Dehydrocoupling of Amines and Hydrosilanes: Reactivity Trends, Scope and Mechanism. Chemistry - A European Journal, 2016, 22, 4564-4583.	3.3	49
119	Highly Syndiotactic or Isotactic Polyhydroxyalkanoates by Ligandâ€Controlled Yttriumâ€Catalyzed Stereoselective Ringâ€Opening Polymerization of Functional Racemic Î²â€Lactones. Angewandte Chemie - International Edition, 2017, 56, 10388-10393.	13.8	49
120	Homogeneous and Biphasic Nickel-Catalyzed Isomerization of Allylic Alcohols. European Journal of Inorganic Chemistry, 1998, 1998, 1739-1744.	2.0	48
121	Discrete versus In Situâ€Generated Aluminumâ€Salen Catalysts in Enantioselective Cyanosilylation of Ketones: Role of Achiral Ligands. Advanced Synthesis and Catalysis, 2008, 350, 731-740.	4.3	48
122	Alkaliâ€Metalâ€Catalyzed Crossâ€Dehydrogenative Couplings of Hydrosilanes with Amines. ChemCatChem, 2016, 8, 1373-1378.	3.7	48
123	Stereocontrolled styreneâ€"isoprene copolymerization and styreneâ€"ethyleneâ€"isoprene terpolymerization with a single-component allyl ansa-neodymocene catalyst. Polymer, 2008, 49, 2039-2045.	3.8	47
124	Functional syndiotactic poly(Î²â€hydroxyalkanoate)s via stereoselective ringâ€opening copolymerization of racâ€Î²â€butyrolactone and racâ€allylâ€Î²â€butyrolactone. Journal of Polymer Science Part A, 2009, 47, 3177-3189.	2.3	47
125	Chain Growth Polymerization of Isoprene and Stereoselective Isopreneâ€"Styrene Copolymerization Promoted by an ansa-Bis(indenyl)allylâ€"Yttrium Complex. Macromolecules, 2011, 44, 7158-7166.	4.8	47
126	Highly Effective Alkaline Earth Catalysts for the Sterically Governed Hydrophosphonylation of Aldehydes and Nonactivated Ketones. Chemistry - A European Journal, 2012, 18, 13259-13264.	3.3	46

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