

Jean-Francois Carpentier

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#	Paper	IF	Citations
364	Metal-catalyzed immortal ring-opening polymerization of lactones, lactides and cyclic carbonates. <i>Dalton Transactions</i> , 2010 , 39, 8363-76	4.3	409
363	Asymmetric Hydroformylation. <i>Chemical Reviews</i> , 1995 , 95, 2485-2506	68.1	394
362	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> , 2005 , 12, 169-79	4.8	363
361	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	5.6	272
360	Group 3 metal catalysts for ethylene and α -olefin polymerization. <i>Coordination Chemistry Reviews</i> , 2004 , 248, 397-410	23.2	270
359	Stereoselective ring-opening polymerization of racemic lactide using alkoxy-amino-bis(phenolate) group 3 metal complexes. <i>Chemical Communications</i> , 2004 , 330-1	5.8	229
358	Highly active, productive, and syndiospecific yttrium initiators for the polymerization of racemic beta-butyrolactone. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2782-4	16.4	227
357	Discrete cationic complexes for ring-opening polymerization catalysis of cyclic esters and epoxides. <i>Chemical Reviews</i> , 2015 , 115, 3564-614	68.1	201
356	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 , 9820-7	4.3	196
355	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	4.8	193
354	Discrete, solvent-free alkaline-earth metal cations: metal-fluorine interactions and ROP catalytic activity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9069-87	16.4	183
353	Yttrium Complexes as Catalysts for Living and Immortal Polymerization of Lactide to Highly Heterotactic PLA. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 693-697	4.8	183
352	Gallium and indium complexes for ring-opening polymerization of cyclic ethers, esters and carbonates. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 1869-1886	23.2	179
351	Exploring electronic versus steric effects in stereoselective ring-opening polymerization of lactide and β -butyrolactone with amino-alkoxy-bis(phenolate)-yttrium complexes. <i>Chemistry - A European Journal</i> , 2011 , 17, 1872-83	4.8	169
350	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, 5440-8	4.8	151
349	Discrete Metal Catalysts for Stereoselective Ring-Opening Polymerization of Chiral Racemic β -Lactones. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1696-705	4.8	143
348	Controlled ring-opening polymerization of lactide by group 3 metal complexes. <i>Pure and Applied Chemistry</i> , 2007 , 79, 2013-2030	2.1	136

347	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	1.7	136
346	When bigger is better: intermolecular hydrofunctionalizations of activated alkenes catalyzed by heteroleptic alkaline Earth complexes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4943-6	16.4	135
345	Highly syndiospecific polymerization of styrene catalyzed by allyl lanthanide complexes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12240-1	16.4	133
344	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	3.8	128
343	Syndiotactic-Enriched Poly(3-hydroxybutyrate)s via Stereoselective Ring-Opening Polymerization of Racemic β -Butyrolactone with Discrete Yttrium Catalysts. <i>Macromolecules</i> , 2009 , 42, 987-993	5.5	128
342	Nickel Complexes Based on Tridentate Pyrazolyl Ligands for Highly Efficient Dimerization of Ethylene to 1-Butene. <i>Organometallics</i> , 2006 , 25, 1213-1216	3.8	128
341	{Phenoxy-imine}aluminum versus -indium Complexes for the Immortal ROP of Lactide: Different Stereocontrol, Different Mechanisms. <i>Organometallics</i> , 2013 , 32, 1694-1709	3.8	126
340	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	3.8	118
339	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	3.8	117
338	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, 328-40	5.1	108
337	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, 523-34	4.3	107
336	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, 4258-66	5.1	102
335	Bis(dimethylsilyl)amide Complexes of the Alkaline-Earth Metals Stabilized by π - σ Agostic Interactions: Synthesis, Characterization, and Catalytic Activity. <i>Organometallics</i> , 2010 , 29, 6569-6577	3.8	100
334	[Zinc-Diamine]-Catalyzed Hydrosilylation of Ketones in Methanol. New Developments and Mechanistic Insights. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 289-302	5.6	100
333	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, 13805-13	4.8	99
332	Poly(carbonate-urethane): an isocyanate-free procedure from β , δ -di(cyclic carbonate) telechelic poly(trimethylene carbonate)s. <i>Green Chemistry</i> , 2011 , 13, 266-271	10	98
331	Discrete, Base-Free, Cationic Alkaline-Earth Complexes \square Access and Catalytic Activity in the Polymerization of Lactide. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3423-3428	2.3	95
330	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, 13445-62	4.8	92

- 329 η^5 , η^1 -Di(glycerol carbonate) telechelic polyesters and polyolefins as precursors to polyhydroxyurethanes: an isocyanate-free approach. *Green Chemistry*, **2014**, 16, 1947-1956 10 87
- 328 Recent advances in metallo/organo-catalyzed immortal ring-opening polymerization of cyclic carbonates. *Catalysis Science and Technology*, **2012**, 2, 898 5.5 87
- 327 Group 3 and 4 single-site catalysts for stereospecific polymerization of styrene. *Coordination Chemistry Reviews*, **2008**, 252, 2115-2136 23.2 87
- 326 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, 3773-88 4.8 87
- 325 New developments in zinc-catalyzed asymmetric hydrosilylation of ketones with PMHS. *Tetrahedron*, **2004**, 60, 2837-2842 2.4 84
- 324 Chiral (1,2)-diphenylethylene-salen complexes of triel metals: coordination patterns and mechanistic considerations in the isoselective ROP of lactide. *Chemistry - A European Journal*, **2014**, 20, 6131-47 4.8 83
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- 321 Heteroleptic silylamido phenolate complexes of calcium and the larger alkaline earth metals: η^5 agostic Ae-Si-H stabilization and activity in the ring-opening polymerization of L-lactide. *Chemistry - A European Journal*, **2012**, 18, 6289-301 4.8 80
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- 318 Aluminum Complexes of Fluorinated η^5 Diketonate Ligands: Syntheses, Structures, Intramolecular Reduction, and Use in Ring-Opening Polymerization of Lactide. *Organometallics*, **2010**, 29, 491-500 3.8 75
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- 314 Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids. *Tetrahedron*, **2003**, 59, 2793-2799 2.4 74
- 313 An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of ϵ -Caprolactone. *Organometallics*, **2005**, 24, 6279-6282 3.8 73
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310	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	23.2	70
309	Yttrium and Aluminum Bis(phenolate)pyridine Complexes: Catalysts and Model Compounds of the Intermediates for the Stereoselective Ring-Opening Polymerization of Racemic Lactide and ϵ -Butyrolactone. <i>Organometallics</i> , 2014 , 33, 309-321	3.8	69
308	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	4.8	69
307	Asymmetric hydrogenation of α -keto acid derivatives by rhodium- β -amidophosphine-phosphinite catalysts. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 1083-1099		69
306	Groups 3 and 4 single-site catalysts for styrene-ethylene and styrene-olefin copolymerization. <i>Coordination Chemistry Reviews</i> , 2008 , 252, 2137-2154	23.2	69
305	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, 3986-94	4.8	68
304	Zinc and enolato-magnesium complexes based on bi-, tri- and tetradentate aminophenolate ligands. <i>New Journal of Chemistry</i> , 2008 , 32, 2279	3.6	68
303	Direct Zn-diamine promoted reduction of CO and CN bonds by polymethylhydrosiloxane in methanol. <i>Chemical Communications</i> , 2003 , 332-333	5.8	68
302	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	3.8	67
301	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		67
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297	Enantiopure Isotactic PCHC Synthesized by Ring-Opening Polymerization of Cyclohexene Carbonate. <i>Macromolecules</i> , 2014 , 47, 4230-4235	5.5	62
296	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		62
295	From syndiotactic homopolymers to chemically tunable alternating copolymers: highly active yttrium complexes for stereoselective ring-opening polymerization of ϵ -malolactonates. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2687-91	16.4	61
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- 293 A dual organic/organometallic approach for catalytic ring-opening polymerization. *Chemical Communications*, **2011**, 47, 9828-30 5.8 61
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- 291 Highly selective nickel catalysts for ethylene oligomerization based on tridentate pyrazolyl ligands. *Journal of Molecular Catalysis A*, **2008**, 288, 58-62 61
- 290 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. *Dalton Transactions*, **2010**, 39, 6739-52 4.3 59
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270	Calcium, Strontium and Barium Homogeneous Catalysts for Fine Chemicals Synthesis. <i>Chemical Record</i> , 2016 , 16, 2482-2505	6.6	51
269	Poly(trimethylene carbonate) from Biometals-Based Initiators/Catalysts: Highly Efficient Immortal Ring-Opening Polymerization Processes. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 1312-1324	5.6	51
268	C2-Symmetric Fluorous Diamino-Dialkoxide Complexes of Early Transition Metals. <i>Organometallics</i> , 2004 , 23, 5450-5458	3.8	51
267	Groups 2 and 3 metal complexes incorporating fluorenyl ligands. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 1221-1248	23.2	50
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