Christophe M Thomas

List of Publications by Year
in descending order

103 papers	7,567 citations	71004 43 h-index	58552 86 g-index
119 all docs	119 docs citations	119 times ranked	5772 citing authors

#	Article	IF	Citations
1	Highly Efficient Synthesis of Poly(silylether)s: Access to Degradable Polymers from Renewable Resources. Angewandte Chemie - International Edition, 2022, 61, e202113443.	7.2	13
2	Highly Efficient Synthesis of Poly(silylether)s: Access to Degradable Polymers from Renewable Resources. Angewandte Chemie, 2022, 134, .	1.6	1
3	2,5-Furandicarboxylic Acid: An Intriguing Precursor for Monomer and Polymer Synthesis. Molecules, 2022, 27, 4071.	1.7	12
4	Collective radical oligomerisation induced by an STM tip on a silicon surface. Nanoscale, 2021, 13, 349-354.	2.8	7
5	Multicatalysis from renewable resources: a direct route to furan-based polyesters. Green Chemistry, 2021, 23, 6931-6935.	4.6	17
6	Production and Polymerization of Biobased Acrylates and Analogs. Macromolecular Rapid Communications, 2021, 42, e2000530.	2.0	35
7	Multicatalytic Transformation of (Meth)acrylic Acids: a Oneâ€Pot Approach to Biobased Poly(meth)acrylates. Angewandte Chemie - International Edition, 2021, 60, 19374-19382.	7.2	22
8	Multicatalytic Transformation of (Meth)acrylic Acids: a Oneâ€Pot Approach to Biobased Poly(meth)acrylates. Angewandte Chemie, 2021, 133, 19523-19531.	1.6	4
9	Access to Highly Stereodefined 1,4-cis-Polydienes by a [Ni/Mg] Orthogonal Tandem Catalytic Polymerization. Journal of the American Chemical Society, 2021, 143, 13401-13407.	6.6	4
10	Controlling polymer stereochemistry in ring-opening polymerization: a decade of advances shaping the future of biodegradable polyesters. Chemical Society Reviews, 2021, 50, 13587-13608.	18.7	62
11	Incorporation of Ru(II) Polypyridyl Complexes into Nanomaterials for Cancer Therapy and Diagnosis. Advanced Materials, 2020, 32, e2003294.	11.1	45
12	Encapsulation of a Ru(II) Polypyridyl Complex into Polylactide Nanoparticles for Antimicrobial Photodynamic Therapy. Pharmaceutics, 2020, 12, 961.	2.0	19
13	Catalyst Design for Alkene Epoxidation by Molecular Analogues of Heterogeneous Titanium-Silicalite Catalysts. ACS Catalysis, 2020, 10, 4737-4750.	5.5	45
14	Ruthenium-initiated polymerization of lactide: a route to remarkable cellular uptake for photodynamic therapy of cancer. Chemical Science, 2020, 11, 2657-2663.	3.7	37
15	Single-site cobalt and zinc catalysts for the ring-opening polymerization of lactide. European Polymer Journal, 2019, 120, 109208.	2.6	16
16	Enhancing intergranular conductivity in polycrystalline semiconductor assembly via polythiophene use. Materials Chemistry and Physics, 2019, 232, 400-408.	2.0	2
17	Stereoselective Ring-Opening (Co)polymerization of Î²-Butyrolactone and Îµ-Decalactone Using an Yttrium Bis(phenolate) Catalytic System. Frontiers in Chemistry, 2019, 7, 301.	1.8	10
18	Polymerization of rac â€Lactide Using Achiral Iron Complexes: Access to Thermally Stable Stereocomplexes. Angewandte Chemie, 2019, 131, 12715-12719.	1.6	7

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19	Polymerization of Cyclic Carbamates: A Practical Route to Aliphatic Polyurethanes. Macromolecules, 2019, 52, 2719-2724.	2.2	26
20	Polymerization of rac â€Lactide Using Achiral Iron Complexes: Access to Thermally Stable Stereocomplexes. Angewandte Chemie - International Edition, 2019, 58, 12585-12589.	7.2	47
21	Aluminumâ€Catalyzed Oneâ€Pot Synthesis of Polyesterâ€bâ€Polypeptide Block Copolymers by Ringâ€Opening Polymerization. Macromolecular Chemistry and Physics, 2019, 220, 1900040.	1.1	5
22	Polymer encapsulation of ruthenium complexes for biological and medicinal applications. Nature Reviews Chemistry, 2019, 3, 261-282.	13.8	119
23	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. ChemBioChem, 2019, 20, 968-973.	1.3	0
24	The development and numerical simulation of a plasma microreactor dedicated to chemical synthesis. Green Processing and Synthesis, 2017, 6, .	1.3	7
25	Mechanistic Aspects of the Polymerization of Lactide Using a Highly Efficient Aluminum(III) Catalytic System. Journal of the American Chemical Society, 2017, 139, 6217-6225.	6.6	85
26	Realâ€Time Control of the Enantioselectivity of a Supramolecular Catalyst Allows Selecting the Configuration of Consecutively Formed Stereogenic Centers. Angewandte Chemie - International Edition, 2017, 56, 14016-14019.	7.2	40
27	Realâ€Time Control of the Enantioselectivity of a Supramolecular Catalyst Allows Selecting the Configuration of Consecutively Formed Stereogenic Centers. Angewandte Chemie, 2017, 129, 14204-14207.	1.6	21
28	Transition from smectic nanofibers to smectic vesicles in the self-assemblies of PEG-b-liquid crystal polycarbonates. Polymer Chemistry, 2017, 8, 4776-4780.	1.9	21
29	Design and synthesis of biobased epoxy thermosets from biorenewable resources. Comptes Rendus Chimie, 2017, 20, 1006-1016.	0.2	57
30	Facile and efficient chemical functionalization of aliphatic polyesters by cross metathesis. Polymer Chemistry, 2016, 7, 3700-3704.	1.9	34
31	Microstructurally controlled polymers of rac-lactide by lithium complexes. Comptes Rendus Chimie, 2016, 19, 167-172.	0.2	8
32	Synthesis of heterotactic PLA from rac-lactide using hetero-bimetallic Mg/Znâ€“Li systems. Journal of Organometallic Chemistry, 2015, 796, 47-52.	0.8	24
33	Tandem catalysis: a new approach to polypeptides and cyclic carbonates. Chemical Communications, 2014, 50, 13773-13776.	2.2	20
34	Zinc and cobalt complexes based on tripodal ligands: synthesis, structure and reactivity toward lactide. Dalton Transactions, 2014, 43, 4550.	1.6	42
35	Facile and Efficient Synthesis of Cyclic Anhydrides from Dicarboxylic Acids. ACS Catalysis, 2014, 4, 3586-3589.	5.5	36
36	Sequence-Controlled Ring-Opening Polymerization: Synthesis of New Polyester Structures. ACS Symposium Series, 2014, , 349-368.	0.5	4

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37	Tandem catalysis: a new approach to polymers. Chemical Society Reviews, 2013, 42, 9392.	18.7	94
38	Polymerization of cyclic esters using N-heterocyclic carbene carboxylate catalysts. Polymer Chemistry, 2013, 4, 2414.	1.9	43
39	A joint experimental/theoretical investigation of the MMA polymerization initiated by yttrium phenoxyamine complexes. Dalton Transactions, 2013, 42, 9226.	1.6	4
40	Yttrium catalysts for syndioselective Î²-butyrolactone polymerization: on the origin of ligand-induced stereoselectivity. Polymer Chemistry, 2013, 4, 360-367.	1.9	53
41	Replacing Tin in Lactide Polymerization: Design of Highly Active Germaniumâ€Based Catalysts. Angewandte Chemie - International Edition, 2013, 52, 13584-13587.	7.2	36
42	Supported neodymium catalysts for MMA polymerization: on the origin of surface-induced stereoselectivity. Polymer Chemistry, 2012, 3, 1730-1739.	1.9	18
43	Synthesis of biodegradable polymers from renewable resources. Polymer Chemistry, 2012, 3, 836-851.	1.9	389
44	Encapsulation and controlled release of l-leuprolide from poly(Î²-hydroxyalkanoate)s: impact of microstructure and chemical functionalities. New Journal of Chemistry, 2011, 35, 876.	1.4	14
45	Polymerization of Racemic Î²-Butyrolactone Using Gold Catalysts: A Simple Access to Biodegradable Polymers. Organometallics, 2011, 30, 2650-2653.	1.1	39
46	Metalâ€Catalyzed Synthesis of Alternating Copolymers. Macromolecular Rapid Communications, 2011, 32, 169-185.	2.0	106
47	Supported Neodymium Catalysts for Isoprene and racâ€Î²â€Butyrolactone Polymerization: Modulation of Reactivity by Controlled Grafting. Macromolecular Rapid Communications, 2011, 32, 215-219.	2.0	14
48	Precision Synthesis of Biodegradable Polymers. Angewandte Chemie - International Edition, 2011, 50, 9244-9246.	7.2	91
49	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.	1.7	193
50	Tandem synthesis of alternating polyesters from renewable resources. Nature Communications, 2011, 2, 586.	5.8	224
51	Direct amination of aryl halides with ammonia. Chemical Society Reviews, 2010, 39, 4130.	18.7	200
52	Stereocontrolled ring-opening polymerization of cyclic esters: synthesis of new polyester microstructures. Chemical Society Reviews, 2010, 39, 165-173.	18.7	763
53	Efficient synthesis of aminopyridine derivatives by copper catalyzed amination reactions. Chemical Communications, 2010, 46, 925-927.	2.2	65
54	New Dipyridylamine Ruthenium Complexes for Transfer Hydrogenation of Aryl Ketones in Water. Organometallics, 2010, 29, 1992-1995.	1.1	60

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55	Polymerization of racemic Î²-butyrolactone using supported catalysts: a simple access to isotactic polymers. Chemical Communications, 2010, 46, 1032.	2.2	80
56	Design of a well-defined, silica-supported chiral Zn scaffold for enantioselective catalysis. Dalton Transactions, 2010, 39, 3802.	1.6	16
57	Copper(II) Triflate as a Source of Triflic Acid: Effective, Green Catalysis of Hydroalkoxylation Reactions. Advanced Synthesis and Catalysis, 2009, 351, 2496-2504.	2.1	68
58	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.	2.5	47
59	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.	1.1	129
60	Polymerization of Enantiopure Monomers Using Syndiospecific Catalysts: A New Approach To Sequence Control in Polymer Synthesis. Journal of the American Chemical Society, 2009, 131, 16042-16044.	6.6	233
61	Syndiotactic-Enriched Poly(3-hydroxybutyrate)s via Stereoselective Ring-Opening Polymerization of Racemic Î²-Butyrolactone with Discrete Yttrium Catalysts. Macromolecules, 2009, 42, 987-993.	2.2	150
62	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.	1.7	158
63	Functional Elastomers via Sequential Selective Diene Copolymerization/Hydrophosphorylation Catalysis. Advanced Synthesis and Catalysis, 2008, 350, 431-438.	2.1	10
64	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.	2.1	48
65	Controlled radical polymerization of conjugated 1,3-dienes with methyl 1,3-butadiene-1-phosphonate. Polymer, 2008, 49, 4344-4349.	1.8	33
66	Convenient synthesis of mono- and di-Î²-hydroxy-Î²-bis(trifluoromethyl)-(di)imines from Î²-hydroxy-Î²-bis(trifluoromethyl)-ketones and (di)amines. Tetrahedron, 2008, 64, 75-83.	1.0	18
67	Highly efficient and economic synthesis of new substituted amino-bispyridyl derivatives via copper and palladium catalysis. Tetrahedron Letters, 2008, 49, 3471-3474.	0.7	40
68	Synthesis of new dipyridinylamine and dipyridinylmethane ligands and their coordination chemistry with Mg(ii) and Zn(ii). New Journal of Chemistry, 2008, 32, 2150.	1.4	28
69	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.	1.1	118
70	Zinc and enolato-magnesium complexes based on bi-, tri- and tetradentate aminophenolate ligands. New Journal of Chemistry, 2008, 32, 2279.	1.4	76
71	Controlled ring-opening polymerization of lactide by group 3 metal complexes. Pure and Applied Chemistry, 2007, 79, 2013-2030.	0.9	142
72	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.	1.9	110

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73	Chromium Catalysts Based on Tridentate Pyrazolyl Ligands for Ethylene Oligomerization. Organometallics, 2007, 26, 4010-4014.	1.1	61
74	â€œConstrained Geometryâ€•Titanium Complexes:â€‰ Exceptionally Robust Systems for Living Polymerization of Methacrylates at High Temperature and Model Studies toward Chain Transfer Polymerization with Thiols. Organometallics, 2007, 26, 187-195.	1.1	26
75	Highly Effective Polymerization of Acrylate Catalyzed by a â€œConstrained Geometryâ€•Titanium Complex/B(C6F5)3System. Macromolecules, 2007, 40, 2293-2294.	2.2	7
76	Chiral Fluorous Dialkoxy-Diamino Zirconium Complexes: Synthesis and Use in Stereospecific Polymerization of 1-Hexene. Chemistry - A European Journal, 2007, 13, 923-935.	1.7	43
77	Yttrium Complexes as Catalysts for Living and Immortal Polymerization of Lactide to Highly Heterotactic PLA. Macromolecular Rapid Communications, 2007, 28, 693-697.	2.0	186
78	Magnesium complexes based on an amido-bis(pyrazolyl) ligand: Synthesis, crystal structures, and use in lactide polymerization. Polyhedron, 2007, 26, 3817-3824.	1.0	34
79	Ring-opening polymerization of 3,6-dimethyl-2,5-morpholinedione with discrete amino-alkoxy-bis(phenolate) yttrium initiators: mechanistic insights. Chemical Communications, 2006, , 4509.	2.2	22
80	Copolymerization of cyclohexene oxide and carbon dioxide using (salen)Co(iii) complexes: synthesis and characterization of syndiotactic poly(cyclohexene carbonate). Dalton Transactions, 2006, , 237-249.	1.6	133
81	Nickel Complexes Based on Tridentate Pyrazolyl Ligands for Highly Efficient Dimerization of Ethylene to 1-Butene. Organometallics, 2006, 25, 1213-1216.	1.1	132
82	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.	1.7	388
83	Highly Active, Productive, and Syndiospecific Yttrium Initiators for the Polymerization of Racemic Î²-Butyrolactone. Angewandte Chemie - International Edition, 2006, 45, 2782-2784.	7.2	265
84	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.	1.0	61
85	Mixed Aluminum-Magnesium-Rare Earth Allyl Catalysts for Controlled Isoprene Polymerization: Modulation of Stereocontrol. Macromolecular Rapid Communications, 2006, 27, 338-343.	2.0	78
86	Efficient and Selective Rhodium-Catalyzed Hydrophosphorylation of Dienes. Advanced Synthesis and Catalysis, 2006, 348, 1093-1100.	2.1	20
87	Aqueous oxidation of alcohols catalyzed by artificial metalloenzymes based on the biotinâ€“avidin technology. Journal of Organometallic Chemistry, 2005, 690, 4488-4491.	0.8	42
88	Design of artificial metalloenzymes. Applied Organometallic Chemistry, 2005, 19, 35-39.	1.7	20
89	Microstructurally Controlled Polyisoprene or Polystyrene Diblock Copolymers ofrac-Lactide. Macromolecular Rapid Communications, 2005, 26, 1145-1150.	2.0	9
90	Artificial Metalloenzymes: Proteins as Hosts for Enantioselective Catalysis. ChemInform, 2005, 36, no.	0.1	0

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91	Artificial metalloenzymes: proteins as hosts for enantioselective catalysis. Chemical Society Reviews, 2005, 34, 337.	18.7	241
92	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.	1.1	75
93	Cobalt-Based Complexes for the Copolymerization of Propylene Oxide and CO2: Active and Selective Catalysts for Polycarbonate Synthesis. Angewandte Chemie - International Edition, 2003, 42, 5484-5487.	7.2	370
94	Ligand effects in the rhodium-catalyzed carbonylation of methanol. Coordination Chemistry Reviews, 2003, 243, 125-142.	9.5	197
95	Specific reactivity of SH versus OH functions towards dinuclear arene ruthenium units: synthesis of cationic complexes of the type [(arene)2Ru2(SR)3]+. Polyhedron, 2003, 22, 543-548.	1.0	20
96	New Diphosphine Ligands Containing Ethyleneglycol and Amino Alcohol Spacers for the Rhodium-Catalyzed Carbonylation of Methanol. Chemistry - A European Journal, 2002, 8, 3343.	1.7	56
97	Dendritic Systems Based on Dinuclear Ruthenium or Rhodium Units Generating Peripheral Catalytic Sites. Chemistry - A European Journal, 2002, 8, 4377-4382.	1.7	21
98	New benzotriazole derivatives as multifunctional ligands. Journal of Organometallic Chemistry, 2002, 658, 251-258.	0.8	11
99	[CoI2(C6H4N3CH2CO2C4H2SCO2CH2C6H4N3)], a coordination polymer containing the thiophene-2,5-di(carboxylatomethylenebenzotriazole) bridging ligand: synthesis, structure, redox properties. Inorganic Chemistry Communication, 2002, 5, 264-266.	1.8	3
100	Synthesis and structure of [(C5H5)Fe(C5H4PS2OCH2C6H4N3)]â^', a new phosphonodithioate derivative, and its coordination chemistry with rhodium(I) and nickel(II). Journal of Organometallic Chemistry, 2001, 633, 85-90.	0.8	25
101	Catalytic oxidation of alcohols into aldehydes and ketones by an osmium-copper bifunctional system using molecular oxygen. Tetrahedron Letters, 1999, 40, 3723-3726.	0.7	81
102	Fixation and spontaneous dehydrogenation of methanol on a triruthenium–iridium framework: synthesis and structure of the cluster anion [HRu3Ir(CO)12(OMe)]â^'. Chemical Communications, 1999, , 1959-1960.	2.2	7
103	Ambient Temperature Polymerization of Methyl Methacrylate Mediated by Ate Complexes. ChemCatChem, 0, , e202101673.	1.8	2