

# Metallocene Catalysts Initiate New Era In Polymer Synt

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis, Structure, and Reactivity of rac-Me <sub>2</sub> Si(indenyl) <sub>2</sub> Zr(NMe <sub>2</sub> ) <sub>2</sub> . Organometallics, 1996, 15, 4038-4044.	1.1	125
2	Efficient Synthesis of Chiralansa-Metallocenes by Amine Elimination. Synthesis, Structure, and Reactivity of rac-(EBI)Zr(NMe <sub>2</sub> ) <sub>2</sub> . Journal of the American Chemical Society, 1996, 118, 8024-8033.	6.6	184
3	Synthesis of Group 4 Metal rac-(EBI)M(NR <sub>2</sub> ) <sub>2</sub> Complexes by Amine Elimination. Scope and Limitations. Organometallics, 1996, 15, 4030-4037.	1.1	122
4	Synthesis of Me <sub>2</sub> Si-Bridged ansa-Zirconocenes by Amine Elimination. Organometallics, 1996, 15, 4045-4053.	1.1	92
5	Cationic Group 4 metallocene complexes and their role in polymerisation catalysis: the chemistry of well defined Ziegler catalysts. Journal of the Chemical Society Dalton Transactions, 1996, , 255.	1.1	677
6	Strukturdynamische <i>ansa</i> -Metallocene von Niob und Tantal. Angewandte Chemie, 1996, 108, 2098-2100.	1.6	9
7	Structure Dynamics in Novelansa-Metallocenes of Niobium and Tantalum. Angewandte Chemie International Edition in English, 1996, 35, 1951-1953.	4.4	43
8	(Phenylboratabenzene)zirconium Complexes: Tuning the Reactivity of an Olefin Polymerization Catalyst. Organometallics, 1997, 16, 2492-2494.	1.1	126
9	Intramolecular Ion-Ion Interactions in Zwitterionic Metallocene Olefin Polymerization Catalysts Derived from <i>ansa</i> -Catalyst Precursors and the Highly Electrophilic Boranes XB(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (X = H, )	0.0	0
10	Sustainable Consumption and Production of Plastics?. Technological Forecasting and Social Change, 1998, 58, 105-124.	6.2	32
11	Solvent-Free Organic Syntheses. Angewandte Chemie - International Edition, 1998, 37, 2975-2978.	7.2	277
12	Triazamethylenemethane complexes of zirconium and tantalum. Journal of Molecular Catalysis A, 1998, 128, 5-28.	4.8	7
13	Zwitterionic alkene polymerization catalyst derived from Cp <sub>2</sub> Zr( <i>i</i> -C <sub>2</sub> H <sub>4</sub> )PPh <sub>2</sub> Me and B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . Chemical Communications, 1998, , 127-128.	2.2	12
14	Computer Design of Living Olefin Polymerization Catalysts: A Combined Density Functional Theory and Molecular Mechanics Study. Organometallics, 1998, 17, 3240-3253.	1.1	71
15	Synthesis and characterisation of enantiomerically pure zirconium complexes containing a linked amido-cyclopentadienyl ligand; X-ray structures of [Zr( <i>i</i> -C <sub>5</sub> Me <sub>4</sub> SiMe <sub>2</sub> NCH(Me)(Ph)) <sub>2</sub> ] <sub>2</sub> (X=NMe <sub>2</sub> and )	0.8	0
16	Rheological and molecular characterization of linear backbone flexible polymers with the Cole-Cole model relaxation spectrum. Rheologica Acta, 1999, 38, 34-47.	1.1	36
17	Kinetics of propylene polymerization initiated by rac-Me <sub>2</sub> Si(1-C <sub>5</sub> H <sub>2</sub> -2-Me-4-tBu) <sub>2</sub> Zr(NMe <sub>2</sub> ) <sub>2</sub> /MAO catalyst. Journal of Polymer Science Part A, 1999, 37, 737-750.	2.5	14
18	Incorporation of Ziegler-Natta catalyst components. Structures and reactivity of the intermediates. Dalton Transactions RSC, 2001, , 1379-1386.	2.3	19

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19	Structure and Reactivity of Ziegler–Natta Catalyst Intermediates. <i>Chemistry - A European Journal</i> , 2003, 9, 4854-4860.	1.7	14
20	The First Structurally Characterized Nonorganometallic Titanium(III) Alkoxo-Bridged Dinuclear Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 267-269.	1.9	13
23	Design of Strong, Neutral Organic Superacids: DFT-B3LYP Calculations on Some Isobenzofulvene Derivatives. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1940-1045.	1.2	22
24	Tailoring of strong neutral organic superacids: DFT-B3LYP calculations on some fulvene derivatives. <i>New Journal of Chemistry</i> , 2004, 28, 843.	1.4	29
25	Studies of the Nature of the Catalytic Species in the $\alpha$ -Olefin Polymerisation Processes Generated by the Reaction of Diamido(cyclopentadienyl)titanium Complexes with Aluminium Reagents as Cocatalysts. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 338-346.	1.0	12
26	Detailed mechanisms on insertion of cis-2-butene into the Zr–H bond of Cp <sub>2</sub> ZrH <sub>2</sub> : A DFT study. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2052-2060.	0.8	5
27	Studies on the active species in olefin polymerisation generated from phenoxo-amido titanium $\alpha$ -chiral-at-metal compounds. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2330-2337.	0.8	5
28	Polyethylenes and Their Blends. , 2014, , 1559-1732.		6
29	Methyl branching in polyethylene from homopolymerization of ethylene with $\text{Ni}(\text{Cp})\text{C}(\text{C}_6\text{F}_5)_3$ and nickelacyanoacrylate methallyl nickel $\text{B}(\text{C}_6\text{F}_5)_3$ . <i>Journal of Polymer Science Part A</i> , 2015, 53, 452-458.	2.5	9
31	Unexpected Reactions between Ziegler–Natta Catalyst Components and Structural Characterization of Resulting Intermediates. <i>Inorganic Chemistry</i> , 2016, 55, 4636-4642.	1.9	10
33	Polyolefins, a Success Story. <i>Polymers</i> , 2017, 9, 185.	2.0	156
34	Improving the use of polyolefins in nonwovens. , 2017, , 285-311.		5
35	Topology Analysis of Chain Walking Polymerized Polyethylene: An Alternative Approach for the Branching Characterization by Thermal FFF. <i>Macromolecules</i> , 2019, 52, 8662-8671.	2.2	21