

Novel olefin polymerization catalysts based on iron and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Iron-Based Catalysts with Exceptionally High Activities and Selectivities for Oligomerization of Ethylene to Linear \pm -Olefins. <i>Journal of the American Chemical Society</i> , 1998, 120, 7143-7144.	6.6	669
2	Dicationic chelating N-heterocyclic carbene complexes of palladium: new catalysts for the copolymerisation of C ₂ H ₄ and CO. <i>Journal of Organometallic Chemistry</i> , 1999, 572, 239-247.	0.8	290
3	Synthesis and single-crystal X-ray structure of [(DMPE) ₂ Ru(C ₂ H ₄)CH ₃]+[(3,5-(CF ₃) ₂ C ₆ H ₃) ₄ B]â ⁻ . <i>Journal of Organometallic Chemistry</i> , 1999, 579, 122-125.	0.8	9
4	The influence of electronic and steric factors on chain branching in ethylene polymerization by Brookhart-type Ni(II) diimine catalysts: a combined density functional theory and molecular mechanics study. <i>Journal of Organometallic Chemistry</i> , 1999, 591, 204-213.	0.8	48
5	Palladium-catalyzed arylation of ethylene. A synthetic route to styrenes, stilbenes, and poly(phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	12
6	Tetra-, penta-, and hexacoordination in iron (II) adducts of aliphatic bidentate amines. Crystal and molecular structure of the mononuclear complexes Fe(dienMe)Cl ₂ and Fe(tmeda)I ₂ . <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1999, 2, 311-319.	0.1	2
7	Synthesis and dynamic NMR studies of stereochemical non-rigidity in rhenium(I) complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine derivatives. <i>Inorganica Chimica Acta</i> , 1999, 295, 56-63.	1.2	19
8	Palladium(II) complexes with hemilabile etherdiphos ligands in the alternating copolymerization of carbon monoxide with olefins. <i>Inorganica Chimica Acta</i> , 1999, 296, 103-113.	1.2	27
9	Theoretical studies of the Cp ₂ ZrR ⁺ -catalyzed propylene polymerization reactions and a comparison with ethylene polymerization. <i>Computational and Theoretical Chemistry</i> , 1999, 461-462, 121-135.	1.5	9
10	Polymerization with TMA-protected polar vinyl comonomers. II. Catalyzed by nickel complexes containing η^2 -diimine-type ligands. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2471-2480.	2.5	73
11	A Unified View of Ethylene Polymerization by d ⁰ and d ⁰ fnTransition Metals. 3. Termination of the Growing Polymer Chain. <i>Journal of the American Chemical Society</i> , 1999, 121, 154-162.	6.6	144
12	Mechanistic Aspects of Ethylene Polymerization by Iron(II)â ⁻ Bisimine Pyridine Catalysts: A Combined Density Functional Theory and Molecular Mechanics Study. <i>Journal of the American Chemical Society</i> , 1999, 121, 6479-6487.	6.6	150
13	Living Polymerization of [o-(Trifluoromethyl)phenyl]acetylene by WOCl ₄ -Based Catalysts Such as WOCl ₄ â ⁻ n-Bu ₄ Snâ ⁻ t-BuOH (1:1:1). <i>Macromolecules</i> , 1999, 32, 7344-7348.	2.2	19
14	Synthesis and Characterization of O,N-Chelated Vanadium(IV) Oxo Phenolate Complexes:â ⁻ Electronic Effect of Meta and Para Substituents on the Vanadium Center. <i>Inorganic Chemistry</i> , 1999, 38, 4079-4086.	1.9	28
15	Cobalt(II) Imino Pyridine Assisted Ethylene Polymerization:â ⁻ A Quantum-Mechanical/Molecular-Mechanical Density Functional Theory Investigation. <i>Organometallics</i> , 1999, 18, 5701-5708.	1.1	68
16	Synthesis of Dialkylscandium Complexes Supported by η^2 -Diketiminato Ligands and Activation with Tris(pentafluorophenyl)borane. <i>Organometallics</i> , 1999, 18, 2947-2949.	1.1	161
17	Polymerization of Propylene by a New Generation of Iron Catalysts:â ⁻ Mechanisms of Chain Initiation, Propagation, and Termination. <i>Macromolecules</i> , 1999, 32, 2120-2130.	2.2	312
18	Life and Death of an Active Ethylene Polymerization Catalyst. Ligand Involvement in Catalyst Activation and Deactivation. Isolation and Characterization of Two Unprecedented Neutral and Anionic Vanadium(I) Alkyls. <i>Journal of the American Chemical Society</i> , 1999, 121, 9318-9325.	6.6	207

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19	Synthesis and Characterization of Cyclohexadienyl-Based Constrained Geometry Complexes. <i>Organometallics</i> , 1999, 18, 1159-1167.	1.1	39
20	Amide-Stabilized, Diamagnetic Chromium(II) Nitrosyl Complexes. <i>Organometallics</i> , 1999, 18, 1994-2004.	1.1	23
21	Anorganische Chemie 1998. <i>Nachrichten Aus Der Chemie</i> , 1999, 47, 111-142.	0.0	1
22	A new iron-based catalyst for ethylene polymerization. <i>Polymer International</i> , 2000, 49, 5-7.	1.6	10
23	Zirconium-chelate and mono- η^5 -cyclopentadienyl zirconium-chelate/ methylalumoxane systems as soluble Ziegler-Natta olefin polymerization catalysts. <i>Applied Organometallic Chemistry</i> , 2000, 14, 316-324.	1.7	16
24	Coordination Polymerization in Water Affording Amorphous Polyethylenes. <i>Chemistry - A European Journal</i> , 2000, 6, 4623-4629.	1.7	75
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26	Catalytic activity of cationic diphosphapalladium(II) complexes in the alkene/CO copolymerization in organic solvents and water in dependence on the length of the alkyl chain at the phosphine ligands. <i>Journal of Organometallic Chemistry</i> , 2000, 602, 173-187.	0.8	57
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30	Diiminates and Diamides as Ligands in Polymerization Catalysts with M(III) (M = Ti, V, Cr) Metal Centers. A Theoretical Study. <i>Organometallics</i> , 2000, 19, 3069-3076.	1.1	25
31	Transition Metal Complexes with Sterically Demanding Ligands. 2.1 Meisenheimer Complex Formation and Deprotonation Reactions of a Sterically Demanding Aromatic Diimine. <i>Organometallics</i> , 2000, 19, 3305-3311.	1.1	24
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33	Modeling Metal-Catalyzed Olefin Polymerization. <i>Chemical Reviews</i> , 2000, 100, 1435-1456.	23.0	259
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35	Polymerization Catalysts with d^n Electrons (n = 1-4): A Theoretical Study. <i>Organometallics</i> , 2000, 19, 2756-2765.	1.1	41
36	Synthesis of Branched Polyethylene Using $\hat{1}\pm$ -Diimine nickel(II) Catalysts: Influence of Temperature, Ethylene Pressure, and Ligand Structure on Polymer Properties. <i>Macromolecules</i> , 2000, 33, 2320-2334.	2.2	678

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38	AN OVERVIEW OF TRANSITION METAL-MEDIATED POLYMERIZATIONS: CATALYSTS FOR THE 21st CENTURY. , 2000, , 1021-1042.		2
40	Stereoselective Formation of (Aminoalkyl)platinum Complexes from Imines. <i>Organometallics</i> , 2001, 20, 408-417.	1.1	18
41	Theoretical Study on Bis(imino)pyridyl π -Fe(II) Olefin Poly- and Oligomerization Catalysts. Dominance of Different Spin States in Propagation and σ -Hydride Transfer Pathways. <i>Organometallics</i> , 2001, 20, 2007-2026.	1.1	102
42	Iron Catalysts for the Head-to-Head Dimerization of α -Olefins and Mechanistic Implications for the Production of Linear α -Olefins. <i>Organometallics</i> , 2001, 20, 5738-5744.	1.1	89
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49	Very Active Neutral P,O-Chelated Nickel Catalysts for Ethylene Polymerization. <i>Macromolecules</i> , 2001, 34, 2438-2442.	2.2	84
50	Chain End-Groups Reveal Two States for Palladium-Based Polyketone Catalyst Species. <i>Journal of the American Chemical Society</i> , 2001, 123, 5350-5351.	6.6	35
51	The Nature of the Active Catalyst in Late Transition Metal-Mediated Ring-Opening Polymerization (ROP) Reactions: A Mechanistic Studies of the Platinum-Catalyzed ROP of Silicon-Bridged [1]Ferrocenophanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 1355-1364.	6.6	104
52	Insertion Aptitudes and Insertion Regiochemistry of Various Alkenes Coordinated to Cationic (η -R)(diimine)palladium(II) (R = η -CH3, η -C6H5). A Theoretical Study. <i>Organometallics</i> , 2001, 20, 2813-2819.	1.1	81
53	Preparation of long-branched polyethylene by in situ polymerization using late transition metal and metallocene catalysts. <i>Science Bulletin</i> , 2001, 46, 2054-2057.	1.7	11
54	Synthesis, characterization and reactivity of ReOMe2(bipy)X complexes. <i>Polyhedron</i> , 2001, 20, 2129-2136.	1.0	3
55	Early transition metal and lanthanide bis(iminophosphorano)methanide complexes; α pincer α ™ and bridging bis(phosphorus) metal carbenes. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 158-169.	0.8	145

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56	Trimethylammonium[tetrakis(pentafluorophenoxy)borate], a safe way to synthesize novel co-catalysts for olefin polymerization. <i>Journal of Organometallic Chemistry</i> , 2001, 621, 184-189.	0.8	13
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58	FI Catalysts: super active new ethylene polymerization catalysts. <i>Catalysis Today</i> , 2001, 66, 63-73.	2.2	199
59	Ethylene oligomerization by cobalt(II) diimine complexes/EAO. <i>Applied Catalysis A: General</i> , 2001, 209, 11-15.	2.2	20
60	Decomposition pathways of homogeneous catalysts. <i>Applied Catalysis A: General</i> , 2001, 212, 61-81.	2.2	166
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69	Four-coordinate iron complexes bearing π -diimine ligands: efficient catalysts for Atom Transfer Radical Polymerisation (ATRP). <i>Chemical Communications</i> , 2002, , 1850-1851.	2.2	119
70	Participation of the π -Diiminopyridine Ligand System in Reduction of the Metal Center during Alkylation. <i>Journal of the American Chemical Society</i> , 2002, 124, 12268-12274.	6.6	140
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72	Mono- and Zerovalent Manganese Alkyl Complexes Supported by the π -Diiminato Pyridine Ligand: Alkyl Stabilization at the Expense of Catalytic Performance. <i>Organometallics</i> , 2002, 21, 786-788.	1.1	85
73	A rare ether-bridged cobalt complex which gives rise to an unusual π -serpentine TM metal-ligand binding motif. <i>Chemical Communications</i> , 2002, , 2990-2991.	2.2	17
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82	Stereochemical Pseudohexad ¹³ C NMR Resonances and Regioregular Propylene/Ethylene-1- ¹³ C Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2604-2615.	1.1	9
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96	New bis(imino)pyridine-iron(II)- and cobalt(II)-based catalysts: synthesis, characterization and activity towards polymerization of ethylene. <i>Journal of Organometallic Chemistry</i> , 2002, 648, 55-61.	0.8	108
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99	Density functional investigation of incorporation of functional additives to neutral salicylaldiminato Ni(II) polymerization catalyst. <i>Journal of Organometallic Chemistry</i> , 2002, 654, 132-139.	0.8	6
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106	Homogeneous vanadium-based catalysts for the Ziegler \hat{I}^{\pm} -Natta polymerization of \hat{I}^{\pm} -olefins. <i>Chemical Society Reviews</i> , 2002, 31, 357-364.	18.7	230
107	Pyridine bis(imine) cobalt or iron complexes for ethylene and 1-hexene (co)polymerisation. <i>Comptes Rendus Chimie</i> , 2002, 5, 43-48.	0.2	28
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115	Polymerization of Norbornene with CoCl ₂ and Pyridine Bisimine Cobalt(II) Complexes Activated with MAO. <i>Macromolecular Rapid Communications</i> , 2003, 24, 768-771.	2.0	43
116	Influence of Alkylaluminium Activators and Mixtures thereof on Ethylene Polymerization with a Tridentate Bis(imino)pyridinyliron Complex. <i>Macromolecular Rapid Communications</i> , 2003, 24, 251-254.	2.0	42
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124	Synthesis and structural characterization of iron(II) derivatives of heterocyclic tridentate amines. <i>Inorganica Chimica Acta</i> , 2003, 344, 197-206.	1.2	37
125	Boron trifluoride activation of ethylene oligomerization and polymerization catalysts. <i>Inorganica Chimica Acta</i> , 2003, 345, 95-102.	1.2	17
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