Emil Lobkovsky

List of Publications by Year
in descending order

114 papers	10,753 citations	20817 60 h-index	30087 103 g-index
129 all docs	129 docs citations	129 times ranked	6602 citing authors

#	Article	IF	Citations
1	Preparation and Molecular and Electronic Structures of Iron(0) Dinitrogen and Silane Complexes and Their Application to Catalytic Hydrogenation and Hydrosilation. Journal of the American Chemical Society, 2004, 126, 13794-13807.	13.7	765
2	Hydrogenation and cleavage of dinitrogen to ammonia with a zirconium complex. Nature, 2004, 427, 527-530.	27.8	572
3	Electronic Structure of Bis(imino)pyridine Iron Dichloride, Monochloride, and Neutral Ligand Complexes:Â A Combined Structural, Spectroscopic, and Computational Study. Journal of the American Chemical Society, 2006, 128, 13901-13912.	13.7	457
4	Pestalone, a New Antibiotic Produced by a Marine Fungus in Response to Bacterial Challenge. Journal of Natural Products, 2001, 64, 1444-1446.	3.0	327
5	Iron-Catalyzed [2Ï€ + 2Ï€] Cycloaddition of Î±,Ï‰-Dienes:Â The Importance of Redox-Active Supporting Ligands. Journal of the American Chemical Society, 2006, 128, 13340-13341.	13.7	314
6	Cyclomarins Aâ^'C, New Antiinflammatory Cyclic Peptides Produced by a Marine Bacterium (Streptomycessp.). Journal of the American Chemical Society, 1999, 121, 11273-11276.	13.7	231
7	Bis(imino)pyridine Iron Complexes for Aldehyde and Ketone Hydrosilylation. Organic Letters, 2008, 10, 2789-2792.	4.6	198
8	Synthesis and Hydrogenation of Bis(imino)pyridine Iron Imides. Journal of the American Chemical Society, 2006, 128, 5302-5303.	13.7	197
9	Enantiopure Pyridine Bis(oxazoline) â€œPyboxâ€•and Bis(oxazoline) â€œBoxâ€•Iron Dialkyl Complexes: Comparison to Bis(imino)pyridine Compounds and Application to Catalytic Hydrosilylation of Ketones. Organometallics, 2009, 28, 3928-3940.	2.3	193
10	Dysidiolide:Â A Novel Protein Phosphatase Inhibitor from the Caribbean SpongeDysidea etheriade Laubenfels. Journal of the American Chemical Society, 1996, 118, 8759-8760.	13.7	191
11	Arene Coordination in Bis(imino)pyridine Iron Complexes:Â Identification of Catalyst Deactivation Pathways in Iron-Catalyzed Hydrogenation and Hydrosilation. Organometallics, 2006, 25, 4269-4278.	2.3	183
12	Torreyanic Acid:Â A Selectively Cytotoxic Quinone Dimer from the Endophytic FungusPestalotiopsismicrospora. Journal of Organic Chemistry, 1996, 61, 3232-3233.	3.2	181
13	Functional Group Tolerance and Substrate Scope in Bis(imino)pyridine Iron Catalyzed Alkene Hydrogenation. Organometallics, 2008, 27, 1470-1478.	2.3	181
14	Dinitrogen cleavage and functionalization by carbon monoxide promoted by a hafnium complex. Nature Chemistry, 2010, 2, 30-35.	13.6	181
15	Amineborane dehydrogenation promoted by isolable zirconium sandwich, titanium sandwich and N2 complexes. Chemical Communications, 2007, , 3297.	4.1	177
16	Synthesis and Molecular and Electronic Structures of Reduced Bis(imino)pyridine Cobalt Dinitrogen Complexes: Ligand versus Metal Reduction. Journal of the American Chemical Society, 2010, 132, 1676-1684.	13.7	175
17	Catalytic Esterâ^'Amide Exchange Using Group (IV) Metal Alkoxideâ^'Activator Complexes. Journal of the American Chemical Society, 2005, 127, 10039-10044.	13.7	164
18	Low-Valent Î±-Diimine Iron Complexes for Catalytic Olefin Hydrogenation. Organometallics, 2005, 24, 5518-5527.	2.3	163

#	Article	IF	Citations
19	Cryptocin, a Potent Tetramic Acid Antimycotic from the Endophytic FungusCryptosporiopsis cf.quercina. Organic Letters, 2000, 2, 767-770.	4.6	159
20	Synthesis and Electronic Structure of Cationic, Neutral, and Anionic Bis(imino)pyridine Iron Alkyl Complexes: Evaluation of Redox Activity in Single-Component Ethylene Polymerization Catalysts. Journal of the American Chemical Society, 2010, 132, 15046-15059.	13.7	155
21	Bis(imino)pyridine Iron(II) Alkyl Cations for Olefin Polymerization. Journal of the American Chemical Society, 2005, 127, 9660-9661.	13.7	154
22	Bis(diisopropylphosphino)pyridine Iron Dicarbonyl, Dihydride, and Silyl Hydride Complexes. Inorganic Chemistry, 2006, 45, 7252-7260.	4.0	150
23	Iron-Catalyzed Intermolecular [2Ï€ + 2Ï€] Cycloaddition. Journal of the American Chemical Society, 2011, 133, 8858-8861.	13.7	142
24	Synthesis, Electronic Structure, and Alkene Hydrosilylation Activity of Terpyridine and Bis(imino)pyridine Iron Dialkyl Complexes. Organometallics, 2012, 31, 4886-4893.	2.3	139
25	Oxidative Addition of Carbonâ€“Carbon Bonds with a Redox-Active Bis(imino)pyridine Iron Complex. Journal of the American Chemical Society, 2012, 134, 17125-17137.	13.7	131
26	Synthesis of a Base-Free Titanium Imido and a Transient Alkylidene from a Titanocene Dinitrogen Complex. Studies on TiNR Hydrogenation, Nitrene Group Transfer, and Comparison of 1,2-Addition Rates. Organometallics, 2004, 23, 3448-3458.	2.3	130
27	Synthesis of Aryl-Substituted Bis(imino)pyridine Iron Dinitrogen Complexes. Inorganic Chemistry, 2010, 49, 2782-2792.	4.0	124
28	Square Planar vs Tetrahedral Geometry in Four Coordinate Iron(II) Complexes. Inorganic Chemistry, 2005, 44, 3103-3111.	4.0	119
29	Photolysis and Thermolysis of Bis(imino)pyridine Cobalt Azides: Câ^'H Activation from Putative Cobalt Nitrido Complexes. Journal of the American Chemical Society, 2010, 132, 16343-16345.	13.7	114
30	Neutral-Ligand Complexes of Bis(imino)pyridine Iron:â€‰ Synthesis, Structure, and Spectroscopy. Inorganic Chemistry, 2007, 46, 7055-7063.	4.0	111
31	Synthesis, Reactivity, and Solid State Structures of Four-Coordinate Iron(II) and Manganese(II) Alkyl Complexes. Organometallics, 2004, 23, 237-246.	2.3	109
32	Square planar bis(imino)pyridine iron halide and alkyl complexes. Chemical Communications, 2005, , 3406.	4.1	104
33	Total Synthesis of (Â±)-Torreyanic Acid. Journal of the American Chemical Society, 2000, 122, 10484-10485.	13.7	101
34	Cyclopentadienyl Substituent Effects on Reductive Elimination Reactions in Group 4 Metallocenes:Â Kinetics, Mechanism, and Application to Dinitrogen Activation. Journal of the American Chemical Society, 2003, 125, 2241-2251.	13.7	101
35	ReducedN-Alkyl Substituted Bis(imino)pyridine Cobalt Complexes: Molecular and Electronic Structures for Compounds Varying by Three Oxidation States. Inorganic Chemistry, 2010, 49, 6110-6123.	4.0	94
36	Synthesis and Electronic Structure Determination of N-Alkyl-Substituted Bis(imino)pyridine Iron Imides Exhibiting Spin Crossover Behavior. Journal of the American Chemical Society, 2011, 133, 17353-17369.	13.7	94

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37	Unusual C25 Steroids Produced by a Sponge-DerivedPenicillium citrinum. Organic Letters, 2003, 5, 4393-4396.	4.6	92
38	Iron Diazoalkane Chemistry:Â Nâ^'N Bond Hydrogenation and Intramolecular Câ^'H Activation. Journal of the American Chemical Society, 2007, 129, 7212-7213.	13.7	91
39	Nitrogenâ€"Carbon Bond Formation from N2 and CO2 Promoted by a Hafnocene Dinitrogen Complex Yields a Substituted Hydrazine. Angewandte Chemie - International Edition, 2007, 46, 2858-2861.	13.8	91
40	Carbonâ^'Oxygen Bond Cleavage by Bis(imino)pyridine Iron Compounds: Catalyst Deactivation Pathways and Observation of Acyl Câ^'O Bond Cleavage in Esters. Organometallics, 2008, 27, 6264-6278.	2.3	90
41	Kinetics and Mechanism of N2Hydrogenation in Bis(cyclopentadienyl) Zirconium Complexes and Dinitrogen Functionalization by 1,2-Addition of a Saturated Câ^'H Bond. Journal of the American Chemical Society, 2005, 127, 14051-14061.	13.7	88
42	Synthesis of Bis(imino)pyridine Iron Di- and Monoalkyl Complexes: Stability Differences between FeCH₂SiMe₃ and FeCH₂CMe₃ Derivatives. Organometallics, 2008, 27, 109-118.	2.3	87
43	Dinitrogen Activation by Titanium Sandwich Complexes. Journal of the American Chemical Society, 2004, 126, 14688-14689.	13.7	85
44	Nâ^'C Bond Formation Promoted by a Hafnocene Dinitrogen Complex:Â Comparison of Zirconium and Hafnium Congeners. Journal of the American Chemical Society, 2006, 128, 10696-10697.	13.7	83
45	Carbon Monoxide-Induced Dinitrogen Cleavage with Group 4 Metallocenes: Reaction Scope and Coupling to Nâ^'H Bond Formation and CO Deoxygenation. Journal of the American Chemical Society, 2010, 132, 10553-10564.	13.7	83
46	N2Hydrogenation Promoted by a Side-On Bound Hafnocene Dinitrogen Complex. Organometallics, 2006, 25, 1021-1027.	2.3	82
47	Exploring Chemical Diversity of Epoxyquinoid Natural Products:â€‰ Synthesis and Biological Activity of (â^')-Jesterone and Related Molecules. Organic Letters, 2001, 3, 1649-1652.	4.6	79
48	Bis(imino)pyridine Iron Alkyls Containing Î²-Hydrogens: Synthesis, Evaluation of Kinetic Stability, and Decomposition Pathways Involving Chelate Participation. Journal of the American Chemical Society, 2008, 130, 11631-11640.	13.7	78
49	Oxidation and Reduction of Bis(imino)pyridine Iron Dinitrogen Complexes: Evidence for Formation of a Chelate Trianion.. Inorganic Chemistry, 2013, 52, 635-646.	4.0	77
50	Reduction Chemistry of Aryl- and Alkyl-Substituted Bis(imino)pyridine Iron Dihalide Compounds: Molecular and Electronic Structures of [(PDI)₂Fe] Derivatives. Inorganic Chemistry, 2009, 48, 4190-4200.	4.0	76
51	Dinitrogen Silylation and Cleavage with a Hafnocene Complex. Journal of the American Chemical Society, 2011, 133, 10406-10409.	13.7	73
52	Zirconium Sandwich Complexes with Î·9Indenyl Ligands:Â Well-Defined Precursors for Zirconocene-Mediated Coupling Reactions. Journal of the American Chemical Society, 2004, 126, 16937-16950.	13.7	69
53	Synthesis, Electronic Structure, and Catalytic Activity of Reduced Bis(aldimino)pyridine Iron Compounds: Experimental Evidence for Ligand Participation. Inorganic Chemistry, 2011, 50, 3159-3169.	4.0	69
54	Synthesis of a Zirconium Sandwich Complex and Crystallographic Characterization of Its Adduct with Tetrahydrofuran. Journal of the American Chemical Society, 2003, 125, 8110-8111.	13.7	68

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55	Electronic Effects in 4-Substituted Bis(imino)pyridines and the Corresponding Reduced Iron Compounds. Organometallics, 2012, 31, 2275-2285.	2.3	68
56	Bis(imino)pyridine Ligand Deprotonation Promoted by a Transient Iron Amide. Inorganic Chemistry, 2006, 45, 2-4.	4.0	67
57	Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations. Angewandte Chemie - International Edition, 2011, 50, 8143-8147.	13.8	67
58	Structures and Cytotoxic Properties of Sponge-Derived Bisannulated Acridines. Journal of Organic Chemistry, 2002, 67, 9384-9391.	3.2	66
59	Dinitrogen Functionalization with Terminal Alkynes, Amines, and Hydrazines Promoted by [(Î·5-C5Me4H)2Zr]2(Î¼2,Î·2,Î·2-N2):Â Observation of Side-On and End-On Diazenido Complexes in the Reduction of N2to Hydrazine. Journal of the American Chemical Society, 2005, 127, 7901-7911.	13.7	62
60	Bis(cyclopentadienyl) Titanium Dinitrogen Chemistry:Â Synthesis and Characterization of a Side-on Bound Haptomer. Organometallics, 2007, 26, 2431-2438.	2.3	62
61	Oxidation and Reduction of Bis(imino)pyridine Iron Dicarbonyl Complexes. Inorganic Chemistry, 2011, 50, 9888-9895.	4.0	62
62	Nâ^'N Bond Cleavage in Diazoalkanes by a Bis(imino)pyridine Iron Complex. Journal of the American Chemical Society, 2009, 131, 36-37.	13.7	60
63	N₂ Hydrogenation from Activated End-On Bis(indenyl) Zirconium Dinitrogen Complexes. Journal of the American Chemical Society, 2008, 130, 14046-14047.	13.7	59
64	Stereochemical Diversity through Cyclodimerization:â€‰ Synthesis of Polyketide-like Macrodiolides. Organic Letters, 2003, 5, 2149-2152.	4.6	58
65	Carbonâ^'Oxygen Bond Cleavage with Î·9,Î·5-Bis(indenyl)zirconium Sandwich Complexes. Journal of the American Chemical Society, 2006, 128, 16600-16612.	13.7	58
66	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. European Journal of Inorganic Chemistry, 2012, 2012, 535-545.	2.0	57
67	Total Synthesis of the NF-ÎºB Inhibitor (â^')-Cycloepoxydon:â€‰ Utilization of Tartrate-Mediated Nucleophilic Epoxidation. Journal of the American Chemical Society, 2001, 123, 11308-11309.	13.7	56
68	Indenyl Zirconium Dinitrogen Chemistry: N₂ Coordination to an Isolated Zirconium Sandwich and Synthesis of Side-on, End-on Dinitrogen Compounds. Journal of the American Chemical Society, 2008, 130, 6047-6054.	13.7	55
69	Functionalization of Hafnium Oxamidide Complexes Prepared from CO-Induced N₂ Cleavage. Journal of the American Chemical Society, 2010, 132, 15340-15350.	13.7	55
70	Synthesis of a Î²-diiminate iridium tetrahydride for arene Câ€“H bond activation. Chemical Communications, 2004, , 764-765.	4.1	54
71	Studies into the Mechanism of CO-Induced N₂ Cleavage Promoted by an Ansa-Hafnocene Complex and Câ€“C Bond Formation from an Observed Intermediate. Journal of the American Chemical Society, 2012, 134, 3377-3386.	13.7	54
72	A Further Study of the Cytotoxic Constituents of a Milnamide-Producing Sponge. Organic Letters, 2004, 6, 779-782.	4.6	52

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73	A Chemical Study of Cyclic Depsipeptides Produced by a Sponge-Derived Fungus. Journal of Natural Products, 2006, 69, 1560-1565.	3.0	52
74	Enediolateâ€“Dilithium Amide Mixed Aggregates in the Enantioselective Alkylation of Arylacetic Acids: Structural Studies and a Stereochemical Model. Journal of the American Chemical Society, 2013, 135, 16853-16864.	13.7	51
75	Mono(dinitrogen) and Carbon Monoxide Adducts of Bis(cyclopentadienyl) Titanium Sandwiches. Journal of the American Chemical Society, 2006, 128, 6018-6019.	13.7	50
76	Discorhabdin P, a New Enzyme Inhibitor from a Deep-Water Caribbean Sponge of the Genus Batzella. Journal of Natural Products, 1999, 62, 173-175.	3.0	49
77	Ancillary Ligand Effects on Câˆ'H Bond Activation Reactions Promoted by Î²-Diiminate Iridium Complexes. Organometallics, 2005, 24, 6250-6259.	2.3	49
78	Ambewelamides A and B, antineoplastic epidithiapiperazinediones isolated from the lichen Usnea sp.. Tetrahedron Letters, 1998, 39, 9579-9582.	1.4	48
79	BF3-Mediated Additions of Organolithiums to Ketimines:Â X-ray Crystal Structures of BF3âˆ'Ketimine Complexes. Journal of Organic Chemistry, 2005, 70, 2335-2337.	3.2	46
80	Synthesis and Characterization of Zirconium and Iron Complexes Containing Substituted Indenyl Ligands:Â Evaluation of Steric and Electronic Parameters. Organometallics, 2004, 23, 5332-5346.	2.3	43
81	Dihydrogen and Silane Addition to Base-Free, Monomeric Bis(cyclopentadienyl)titanium Oxides. Inorganic Chemistry, 2007, 46, 2359-2361.	4.0	43
82	Tuning redox potentials of bis(imino)pyridine cobalt complexes: an experimental and theoretical study involving solvent and ligand effects. Dalton Transactions, 2012, 41, 3562.	3.3	41
83	Ligand-Induced Haptotropic Rearrangements in Bis(indenyl)zirconium Sandwich Complexes. Journal of the American Chemical Society, 2005, 127, 10291-10304.	13.7	40
84	Addition of Methyl Triflate to a Hafnocene Dinitrogen Complex: Stepwise N₂ Methylation and Conversion to a Hafnocene Hydrazonato Compound. Journal of the American Chemical Society, 2009, 131, 14903-14912.	13.7	39
85	Dinitrogen Complexes of Bis(cyclopentadienyl) Titanium Derivatives: Structural Diversity Arising from Substituent Manipulation. Organometallics, 2009, 28, 4079-4088.	2.3	37
86	Diazene Dehydrogenation Follows H2Addition to Coordinated Dinitrogen in anansa-Zirconocene Complex. Inorganic Chemistry, 2007, 46, 1675-1683.	4.0	36
87	Functionalization of Elemental Phosphorus with [Zr(5-C5Me5)(5-C5H4tBu)H2]2. Angewandte Chemie - International Edition, 2002, 41, 3463-3465.	13.8	33
88	The â€œIndenyl Effectâ€• in Zirconocene Dihydride Chemistry. Organometallics, 2006, 25, 2080-2089.	2.3	33
89	Topoisomerase II-Mediated DNA Cleavage by Adocia- and Xestoquinones from the Philippine Sponge Xestospongia sp.. Journal of Medicinal Chemistry, 1995, 38, 4503-4507.	6.4	31
90	Bioactive 2-Oxazolines:Â A New Approach via One-Pot, Four-Component Reaction. Organic Letters, 2007, 9, 2015-2017.	4.6	31

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91	Nâ€“H Group Transfer and Oxidative Addition Chemistry Promoted by Isolable Bis(cyclopentadienyl)titanium Sandwich Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 2677-2685.	2.0	30
92	Alkyl Substituent Effects on Reductive Elimination Reactions in Zirconocene Alkyl Hydride Complexes. Manipulation of the Alkyl Steric Environment Allows the Synthesis of a Zirconocene Dinitrogen Complex. Organometallics, 2003, 22, 2797-2805.	2.3	29
93	Using Scalarane Sesterterpenes To Examine a Sponge Taxonomic Anomaly. Journal of Natural Products, 1997, 60, 556-561.	3.0	26
94	Câˆ’H Bond Activation Reactions with Ligand Adducts of a Î²-Diiminate Iridium Dihydride. Organometallics, 2005, 24, 4367-4373.	2.3	26
95	Novel VIII Complexes with a Central[V3(Î¼3-S)-(Î¼-S2)3]+ or[V2(Î¼-O)(Î¼-SPh)2]2+ Unit. Angewandte Chemie International Edition in English, 1993, 32, 594-596.	4.4	25
96	Honulactones:Â New Bishomoscalarane Sesterterpenes from the Indonesian SpongeStrepsichordaia aliena. Journal of Organic Chemistry, 2000, 65, 6837-6840.	3.2	24
97	Relative and Absolute Stereochemistry of the Didemnaketals, Metabolites of a Palauan Ascidian,Didemnumsp.. Organic Letters, 2002, 4, 1699-1702.	4.6	23
98	Lithiated Imines:Â Solvent-Dependent Aggregate Structures and Mechanisms of Alkylation. Journal of the American Chemical Society, 2006, 128, 5939-5948.	13.7	23
99	Synthesis of Bis(indenyl)zirconium Dihydrides and Subsequent Rearrangement to Î·5,Î·3-4,5-Dihydroindenediyl Ligands:â€‰ Evidence for Intermediates during the Hydrogenation to Tetrahydroindenyl Derivatives. Journal of the American Chemical Society, 2006, 128, 6454-6467.	13.7	22
100	Isolation and Structural Proof of the Large Diamond Molecule, Cyclohexamantane (C26H30). Angewandte Chemie, 2003, 115, 2086-2090.	2.0	21
101	Carbonâˆ’Hydrogen Bond Activation with a Cyclometalated Zirconocene Hydride:Â Mechanistic Differences between Arene and Alkane Reductive Elimination. Organometallics, 2006, 25, 1092-1100.	2.3	18
102	Synthesis and Electronic Structure Diversity of Pyridine(diimine)iron Tetrazene Complexes. Inorganic Chemistry, 2018, 57, 9634-9643.	4.0	18
103	Guaiane Sesquiterpene Lactones fromSalvia nubicola (Lamiaceae). Chemistry and Biodiversity, 2007, 4, 98-104.	2.1	17
104	1,4-Addition of Alkyl Halides to a Side-on Bound Hafnocene Dinitrogen Complex. Organometallics, 2009, 28, 4807-4813.	2.3	11
105	Bis(indenyl)hafnium Chemistry: Ligand-Induced Haptotropic Rearrangement and Fundamental Reactivity Studies at a Reduced Hafnium Center. Organometallics, 2009, 28, 2471-2484.	2.3	11
106	Cyclopentanone Insertion into Î·9-Indenyl Rings of Zirconium Sandwich Complexes. Organometallics, 2010, 29, 1789-1796.	2.3	9
107	Cyclisation of Î±,Ï‰-dienes promoted by bis(indenyl)zirconium sandwich and ansa-titanocene dinitrogen complexes. Dalton Transactions, 2011, 40, 7737.	3.3	8
108	Titelbild: Isolation and Structural Proof of the Large Diamond Molecule, Cyclohexamantane (C26H30) (Angew. Chem. 18/2003). Angewandte Chemie, 2003, 115, 2029-2029.	2.0	0

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109	Stereochemical Diversity Through Cyclodimerization: Synthesis of Polyketide-Like Macrodiolides.. ChemInform, 2003, 34, no.	0.0	0
110	Cover Picture: Isolation and Structural Proof of the Large Diamond Molecule, Cyclohexamantane (C26H30) (Angew. Chem. Int. Ed. 18/2003). Angewandte Chemie - International Edition, 2003, 42, 1983-1983.	13.8	0
111	BF3-Mediated Additions of Organolithiums to Ketimines: X-Ray Crystal Structures of BF3â€”Ketimine Complexes.. ChemInform, 2005, 36, no.	0.0	0
112	Catalytic Esterâ€”Amide Exchange Using Group (IV) Metal Alkoxideâ€”Activator Complexes.. ChemInform, 2005, 36, no.	0.0	0
113	Innentitelbild: Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations (Angew. Chem. 35/2011). Angewandte Chemie, 2011, 123, 8104-8104.	2.0	0
114	Inside Cover: Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations (Angew. Chem. Int. Ed. 35/2011). Angewandte Chemie - International Edition, 2011, 50, 7956-7956.	13.8	0