Paul J Chirik

List of Publications by Year
in descending order

286	22,072	6442	10370
papers	citations	81 h-index	141 g-index

426	426	426	12155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radical Ligands Confer Nobility on Base-Metal Catalysts. Science, 2010, 327, 794-795.	20.9	824
2	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.	14.6	775
3	Earth-abundant transition metal catalysts for alkene hydrosilylation and hydroboration. Nature Reviews Chemistry, 2018, 2, 15-34.	22.6	651
4	Iron- and Cobalt-Catalyzed Alkene Hydrogenation: Catalysis with Both Redox-Active and Strong Field Ligands. Accounts of Chemical Research, 2015, 48, 1687-1695.	16.6	631
5	Hydrogenation and cleavage of dinitrogen to ammonia with a zirconium complex. Nature, 2004, 427, 527-530.	36.2	584
6	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.	14.6	463
7	Preface: Forum on Redox-Active Ligands. Inorganic Chemistry, 2011, 50, 9737-9740.	4.2	377
8	Using natureâ€™s blueprint to expand catalysis with Earth-abundant metals. Science, 2020, 369, .	20.9	352
9	Bis(imino)pyridine Cobalt-Catalyzed Alkene Isomerizationâ€“Hydroboration: A Strategy for Remote Hydrofunctionalization with Terminal Selectivity. Journal of the American Chemical Society, 2013, 135, 19107-19110.	14.6	348
10	Iron-catalysed tritiation of pharmaceuticals. Nature, 2016, 529, 195-199.	36.2	333
11	Getting Down to Earth: The Renaissance of Catalysis with Abundant Metals. Accounts of Chemical Research, 2015, 48, 2495-2495.	16.6	330
12	Enantiopure C₁-Symmetric Bis(imino)pyridine Cobalt Complexes for Asymmetric Alkene Hydrogenation. Journal of the American Chemical Society, 2012, 134, 4561-4564.	14.6	323
13	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.	14.6	319
14	Cobalt-Catalyzed Câ€“H Borylation. Journal of the American Chemical Society, 2014, 136, 4133-4136.	14.6	284
15	Iron-Catalyzed, Hydrogen-Mediated Reductive Cyclization of 1,6-Enynes and Diynes: Evidence for Bis(imino)pyridine Ligand Participation. Journal of the American Chemical Society, 2009, 131, 8772-8774.	14.6	249
16	Cobalt Catalyzed Z-Selective Hydroboration of Terminal Alkynes and Elucidation of the Origin of Selectivity. Journal of the American Chemical Society, 2015, 137, 5855-5858.	14.6	236
17	Cobalt-Catalyzed Benzylic Borylation: Enabling Polyborylation and Functionalization of Remote, Unactivated C(sp³)â€“H Bonds. Journal of the American Chemical Society, 2016, 138, 766-769.	14.6	207
18	High-Activity Iron Catalysts for the Hydrogenation of Hindered, Unfunctionalized Alkenes. ACS Catalysis, 2012, 2, 1760-1764.	11.7	206

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19	Alkene Isomerizationâ€“Hydroboration Promoted by Phosphine-Ligated Cobalt Catalysts. Organic Letters, 2015, 17, 2716-2719.	4.8	202
20	Synthesis and Hydrogenation of Bis(imino)pyridine Iron Imides. Journal of the American Chemical Society, 2006, 128, 5302-5303.	14.6	200
21	Bis(imino)pyridine Iron Complexes for Aldehyde and Ketone Hydrosilylation. Organic Letters, 2008, 10, 2789-2792.	4.8	199
22	Bis(imino)pyridine Cobalt-Catalyzed Dehydrogenative Silylation of Alkenes: Scope, Mechanism, and Origins of Selective Allylsilane Formation. Journal of the American Chemical Society, 2014, 136, 12108-12118.	14.6	199
23	Catalytic Hydrogenation Activity and Electronic Structure Determination of Bis(arylimidazol-2-ylidene)pyridine Cobalt Alkyl and Hydride Complexes. Journal of the American Chemical Society, 2013, 135, 13168-13184.	14.6	198
24	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.	2.6	193
25	Dinitrogen cleavage and functionalization by carbon monoxide promoted by a hafnium complex. Nature Chemistry, 2010, 2, 30-35.	14.3	191
26	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.	2.6	186
27	Highly Selective Bis(imino)pyridine Iron-Catalyzed Alkene Hydroboration. Organic Letters, 2013, 15, 2680-2683.	4.8	185
28	Cobalt-Catalyzed Enantioselective Hydrogenation of Minimally Functionalized Alkenes: Isotopic Labeling Provides Insight into the Origin of Stereoselectivity and Alkene Insertion Preferences. Journal of the American Chemical Society, 2016, 138, 3314-3324.	14.6	185
29	Functional Group Tolerance and Substrate Scope in Bis(imino)pyridine Iron Catalyzed Alkene Hydrogenation. Organometallics, 2008, 27, 1470-1478.	2.6	181
30	Alkene Hydrosilylation Using Tertiary Silanes with Î±-Diimine Nickel Catalysts. Redox-Active Ligands Promote a Distinct Mechanistic Pathway from Platinum Catalysts. ACS Catalysis, 2016, 6, 4105-4109.	11.7	181
31	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of Î±,Î²-Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. Journal of the American Chemical Society, 2016, 138, 3562-3569.	14.6	181
32	Beyond Ammonia: Nitrogenâ€“Element Bond Forming Reactions with Coordinated Dinitrogen. Chemical Reviews, 2020, 120, 5637-5681.	51.4	178
33	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.	14.6	176
34	High-Activity Cobalt Catalysts for Alkene Hydroboration with Electronically Responsive Terpyridine and Î±-Diimine Ligands. ACS Catalysis, 2015, 5, 622-626.	11.7	167
35	Low-Valent Î±-Diimine Iron Complexes for Catalytic Olefin Hydrogenation. Organometallics, 2005, 24, 5518-5527.	2.6	164
36	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.	14.6	158

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37	Four-Coordinate Cobalt Pincer Complexes: Electronic Structure Studies and Ligand Modification by Homolytic and Heterolytic Pathways. Journal of the American Chemical Society, 2014, 136, 9211-9224.	14.6	155
38	Bis(imino)pyridine Iron(II) Alkyl Cations for Olefin Polymerization. Journal of the American Chemical Society, 2005, 127, 9660-9661.	14.6	154
39	Bis(diisopropylphosphino)pyridine Iron Dicarbonyl, Dihydride, and Silyl Hydride Complexes. Inorganic Chemistry, 2006, 45, 7252-7260.	4.2	151
40	Iron-Catalyzed Intermolecular [2Ï€ + 2Ï€] Cycloaddition. Journal of the American Chemical Society, 2011, 133, 8858-8861.	14.6	144
41	Selective, Catalytic Carbonâ^'Carbon Bond Activation and Functionalization Promoted by Late Transition Metal Catalysts. Journal of the American Chemical Society, 2003, 125, 886-887.	14.6	142
42	Synthesis, Electronic Structure, and Alkene Hydrosilylation Activity of Terpyridine and Bis(imino)pyridine Iron Dialkyl Complexes. Organometallics, 2012, 31, 4886-4893.	2.6	140
43	Bench-Stable, Substrate-Activated Cobalt Carboxylate Pre-Catalysts for Alkene Hydrosilylation with Tertiary Silanes. ACS Catalysis, 2016, 6, 2632-2636.	11.7	138
44	Cobalt-Catalyzed 1,1-Diboration of Terminal Alkynes: Scope, Mechanism, and Synthetic Applications. Journal of the American Chemical Society, 2017, 139, 3868-3875.	14.6	136
45	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.	14.6	134
46	Dinitrogen functionalization with bis(cyclopentadienyl) complexes of zirconium and hafnium. Dalton Transactions, 2007, , 16-25.	3.4	131
47	Carbonâ€“Carbon Bond Formation in a Weak Ligand Field: Leveraging Openâ€Shell Firstâ€Row Transitionâ€Metal Catalysts. Angewandte Chemie - International Edition, 2017, 56, 5170-5181.	14.8	128
48	Bis(imino)pyridine Iron Dinitrogen Compounds Revisited: Differences in Electronic Structure Between Four- and Five-Coordinate Derivatives.. Inorganic Chemistry, 2012, 51, 3770-3785.	4.2	126
49	Synthesis and Electronic Structure of Bis(imino)pyridine Iron Metallacyclic Intermediates in Iron-Catalyzed Cyclization Reactions. Journal of the American Chemical Society, 2013, 135, 4862-4877.	14.6	126
50	Synthesis of Aryl-Substituted Bis(imino)pyridine Iron Dinitrogen Complexes. Inorganic Chemistry, 2010, 49, 2782-2792.	4.2	124
51	High-Selectivity Bis(imino)pyridine Iron Catalysts for the Hydrosilylation of 1,2,4-Trivinylcyclohexane. ACS Catalysis, 2012, 2, 2169-2172.	11.7	123
52	Bis(phosphine)cobalt Dialkyl Complexes for Directed Catalytic Alkene Hydrogenation. Journal of the American Chemical Society, 2014, 136, 13178-13181.	14.6	123
53	Carbon Dioxide Hydrosilylation Promoted by Cobalt Pincer Complexes. Inorganic Chemistry, 2014, 53, 9463-9465.	4.2	121
54	Cobalt-Catalyzed C(sp²)-H Borylation: Mechanistic Insights Inspire Catalyst Design. Journal of the American Chemical Society, 2016, 138, 10645-10653.	14.6	121

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55	Square Planar vs Tetrahedral Geometry in Four Coordinate Iron(II) Complexes. Inorganic Chemistry, 2005, 44, 3103-3111.	4.2	120
56	Enabling Two-Electron Pathways with Iron and Cobalt: From Ligand Design to Catalytic Applications. Journal of the American Chemical Society, 2019, 141, 9106-9123.	14.6	118
57	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.	14.6	114
58	C(sp²)â€"H Borylation of Fluorinated Arenes Using an Air-Stable Cobalt Precatalyst: Electronically Enhanced Site Selectivity Enables Synthetic Opportunities. Journal of the American Chemical Society, 2017, 139, 2825-2832.	14.6	113
59	Neutral-Ligand Complexes of Bis(imino)pyridine Iron:â€‰ Synthesis, Structure, and Spectroscopy. Inorganic Chemistry, 2007, 46, 7055-7063.	4.2	112
60	Synthesis, Reactivity, and Solid State Structures of Four-Coordinate Iron(II) and Manganese(II) Alkyl Complexes. Organometallics, 2004, 23, 237-246.	2.6	110
61	Square planar bis(imino)pyridine iron halide and alkyl complexes. Chemical Communications, 2005, , 3406.	4.2	106
62	Ni(I)â€"X Complexes Bearing a Bulky Î±-Diimine Ligand: Synthesis, Structure, and Superior Catalytic Performance in the Hydrogen Isotope Exchange in Pharmaceuticals. Journal of the American Chemical Society, 2019, 141, 5034-5044.	14.6	103
63	Benzyltriboronates: Building Blocks for Diastereoselective Carbonâ€"Carbon Bond Formation. Journal of the American Chemical Society, 2017, 139, 2589-2592.	14.6	102
64	Cobalt-Catalyzed Asymmetric Hydrogenation of Î±,Î²-Unsaturated Carboxylic Acids by Homolytic H₂ Cleavage. Journal of the American Chemical Society, 2020, 142, 5272-5281.	14.6	99
65	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.	4.2	97
66	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.	14.6	97
67	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.	14.8	96
68	Iron Diazoalkane Chemistry:Â Nâ^'N Bond Hydrogenation and Intramolecular Câ^'H Activation. Journal of the American Chemical Society, 2007, 129, 7212-7213.	14.6	92
69	On the Origin of Dinitrogen Hydrogenation Promoted by [(Î·5-C5Me4H)2Zr]2(Î¼2,Î·2,Î·2-N2). Journal of the American Chemical Society, 2004, 126, 14326-14327.	14.6	90
70	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.	2.6	90
71	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.	14.6	88
72	Evaluation of Cobalt Complexes Bearing Tridentate Pincer Ligands for Catalytic Câ€"H Borylation. Organometallics, 2015, 34, 1307-1320.	2.6	88

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73	Cobalt-Catalyzed Stereoretentive Hydrogen Isotope Exchange of C(sp³)â€“H Bonds. ACS Catalysis, 2017, 7, 5674-5678.	11.7	88
74	Synthesis of Bis(imino)pyridine Iron Di- and Monoalkyl Complexes: Stability Differences between FeCH₂SiMe₃ and FeCH₂CMe₃ Derivatives. Organometallics, 2008, 27, 109-118.	2.6	87
75	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.	14.6	87
76	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.	14.6	86
77	Dinitrogen Activation by Titanium Sandwich Complexes. Journal of the American Chemical Society, 2004, 126, 14688-14689.	14.6	85
78	Selective [1,4]-Hydrovinylation of 1,3-Dienes with Unactivated Olefins Enabled by Iron Diimine Catalysts. Journal of the American Chemical Society, 2018, 140, 3443-3453.	14.6	84
79	N2Hydrogenation Promoted by a Side-On Bound Hafnocene Dinitrogen Complex. Organometallics, 2006, 25, 1021-1027.	2.6	83
80	Cobalt-Catalyzed [2Ï€ + 2Ï€] Cycloadditions of Alkenes: Scope, Mechanism, and Elucidation of Electronic Structure of Catalytic Intermediates. Journal of the American Chemical Society, 2015, 137, 7903-7914.	14.6	83
81	Synthesis, electronic structure and reactivity of bis(imino)pyridine iron carbene complexes: evidence for a carbene radical. Chemical Science, 2014, 5, 1168-1174.	7.8	82
82	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.	14.6	79
83	Ammonia Activation, H₂ Evolution and Nitride Formation from a Molybdenum Complex with a Chemically and Redox Noninnocent Ligand. Journal of the American Chemical Society, 2017, 139, 6110-6113.	14.6	79
84	Oxidation and Reduction of Bis(imino)pyridine Iron Dinitrogen Complexes: Evidence for Formation of a Chelate Trianion.. Inorganic Chemistry, 2013, 52, 635-646.	4.2	78
85	Synthesis of a Base-Free Hafnium Nitride from N₂ Cleavage: A Versatile Platform for Dinitrogen Functionalization. Journal of the American Chemical Society, 2013, 135, 11373-11383.	14.6	76
86	Dinitrogen Silylation and Cleavage with a Hafnocene Complex. Journal of the American Chemical Society, 2011, 133, 10406-10409.	14.6	75
87	Oxidative addition and Câ€“H activation chemistry with a PNP pincer-ligated cobalt complex. Chemical Science, 2014, 5, 1956-1960.	7.8	75
88	Insight into Transmetalation Enables Cobalt-Catalyzed Suzukiâ€“Miyaura Cross Coupling. ACS Central Science, 2016, 2, 935-942.	12.3	75
89	Catalytic Proton Coupled Electron Transfer from Metal Hydrides to Titanocene Amides, Hydrazides and Imides: Determination of Thermodynamic Parameters Relevant to Nitrogen Fixation. Journal of the American Chemical Society, 2016, 138, 13379-13389.	14.6	74
90	Cobalt-Catalyzed C(sp²)â€“H Borylation with an Air-Stable, Readily Prepared Terpyridine Cobalt(II) Bis(acetate) Precatalyst. Organometallics, 2017, 36, 142-150.	2.6	74

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91	Carboxylation of an ansa-Zirconocene Dinitrogen Complex:â€‰ Regiospecific Hydrazine Synthesis from N₂ and CO₂. Journal of the American Chemical Society, 2008, 130, 4248-4249.	14.6	72
92	Air-Stable Î±-Diimine Nickel Precatalysts for the Hydrogenation of Hindered, Unactivated Alkenes. ACS Catalysis, 2018, 8, 342-348.	11.7	72
93	Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations. Angewandte Chemie - International Edition, 2011, 50, 8143-8147.	14.8	70
94	Electronic Effects in 4-Substituted Bis(imino)pyridines and the Corresponding Reduced Iron Compounds. Organometallics, 2012, 31, 2275-2285.	2.6	70
95	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie - International Edition, 2019, 58, 9194-9198.	14.8	70
96	Synthesis, Electronic Structure, and Catalytic Activity of Reduced Bis(aldimino)pyridine Iron Compounds: Experimental Evidence for Ligand Participation. Inorganic Chemistry, 2011, 50, 3159-3169.	4.2	69
97	Site-Selective Nickel-Catalyzed Hydrogen Isotope Exchange in N-Heterocycles and Its Application to the Tritiation of Pharmaceuticals. ACS Catalysis, 2018, 8, 10210-10218.	11.7	69
98	Hydrogenation of N-Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. Journal of the American Chemical Society, 2019, 141, 17900-17908.	14.6	69
99	Bis(imino)pyridine Ligand Deprotonation Promoted by a Transient Iron Amide. Inorganic Chemistry, 2006, 45, 2-4.	4.2	67
100	Ammonia Synthesis by Hydrogenolysis of Titaniumâ€“Nitrogen Bonds Using Proton Coupled Electron Transfer. Journal of the American Chemical Society, 2015, 137, 3498-3501.	14.6	67
101	Regio- and Diastereoselective Iron-Catalyzed [4+4]-Cycloaddition of 1,3-Dienes. Journal of the American Chemical Society, 2019, 141, 8557-8573.	14.6	65
102	Reversible Carbonâ€“Carbon Bond Formation Induced by Oxidation and Reduction at a Redox-Active Cobalt Complex. Inorganic Chemistry, 2013, 52, 5403-5417.	4.2	64
103	Synthesis and Hydrogenation Activity of Iron Dialkyl Complexes with Chiral Bidentate Phosphines. Organometallics, 2014, 33, 5781-5790.	2.6	62
104	Iron-catalysed synthesis and chemical recycling of telechelic 1,3-enchained oligocyclobutanes. Nature Chemistry, 2021, 13, 156-162.	14.3	61
105	Nâ•N Bond Cleavage in Diazoalkanes by a Bis(imino)pyridine Iron Complex. Journal of the American Chemical Society, 2009, 131, 36-37.	14.6	60
106	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. European Journal of Inorganic Chemistry, 2012, 2012, 535-545.	2.2	58
107	Synthesis and Ligand Modification Chemistry of a Molybdenum Dinitrogen Complex: Redox and Chemical Activity of a Bis(imino)pyridine Ligand. Angewandte Chemie - International Edition, 2014, 53, 14211-14215.	14.8	58
108	A Boron Activating Effect Enables Cobalt-Catalyzed Asymmetric Hydrogenation of Sterically Hindered Alkenes. Journal of the American Chemical Society, 2020, 142, 3923-3930.	14.6	58

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109	Functionalization of Hafnium Oxamidide Complexes Prepared from CO-Induced N₂ Cleavage. Journal of the American Chemical Society, 2010, 132, 15340-15350.	14.6	56
110	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.	14.6	56
111	Mechanistic Studies of Cobalt-Catalyzed C(sp²)â€“H Borylation of Five-Membered Heteroarenes with Pinacolborane. ACS Catalysis, 2017, 7, 4366-4371.	11.7	54
112	Structure and Reactivity of a Hafnocene Î¼â€Nitrido Prepared From Dinitrogen Cleavage. Angewandte Chemie - International Edition, 2012, 51, 5213-5216.	14.8	53
113	Cobalt-Catalyzed Borylation of Fluorinated Arenes: Thermodynamic Control of C(sp²)-H Oxidative Addition Results in ortho-to-Fluorine Selectivity. Journal of the American Chemical Society, 2019, 141, 15378-15389.	14.6	53
114	Ketone Synthesis from Benzyldiboronates and Esters: Leveraging Î±-Boryl Carbanions for Carbonâ€“Carbon Bond Formation. Journal of the American Chemical Society, 2020, 142, 2429-2437.	14.6	52
115	Mono(dinitrogen) and Carbon Monoxide Adducts of Bis(cyclopentadienyl) Titanium Sandwiches. Journal of the American Chemical Society, 2006, 128, 6018-6019.	14.6	50
116	Nâ€“H Bond Formation in a Manganese(V) Nitride Yields Ammonia by Light-Driven Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2019, 141, 4795-4799.	14.6	50
117	Terpyridine Molybdenum Dinitrogen Chemistry: Synthesis of Dinitrogen Complexes That Vary by Five Oxidation States. Inorganic Chemistry, 2016, 55, 3117-3127.	4.2	49
118	Nâ€“N Bond Cleavage of 1,2-Diarylhydrazines and Nâ€“H Bond Formation via H-Atom Transfer in Vanadium Complexes Supported by a Redox-Active Ligand. Journal of the American Chemical Society, 2014, 136, 12099-12107.	14.6	47
119	Side-on Dinitrogen Complexes of Titanocenes with Disubstituted Cyclopentadienyl Ligands: Synthesis, Structure, and Spectroscopic Characterization. Organometallics, 2012, 31, 3672-3682.	2.6	45
120	Electronic Structure Determination of Pyridine N-Heterocyclic Carbene Iron Dinitrogen Complexes and Neutral Ligand Derivatives. Organometallics, 2014, 33, 5423-5433.	2.6	45
121	An Editorial About Elemental Analysis. Organometallics, 2016, 35, 3255-3256.	2.6	44
122	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerizationâ€“Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. ACS Catalysis, 2019, 9, 9034-9044.	11.7	44
123	Synthesis and Characterization of Zirconium and Iron Complexes Containing Substituted Indenyl Ligands:Â Evaluation of Steric and Electronic Parameters. Organometallics, 2004, 23, 5332-5346.	2.6	43
124	Cobalt Pincer Complexes in Catalytic Câ€“H Borylation: The Pincer Ligand Flips Rather Than Dearomatizes. ACS Catalysis, 2018, 8, 10606-10618.	11.7	42
125	[4 + 4]-cycloaddition of isoprene for the production of high-performance bio-based jet fuel. Green Chemistry, 2019, 21, 5616-5623.	9.4	42
126	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.	14.6	40

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127	Interconversion of Molybdenum Imido and Amido Complexes by Protonâ€Coupled Electron Transfer. Angewandte Chemie - International Edition, 2018, 57, 2224-2228.	14.8	40
128	Pyridine(diimine) Molybdenum-Catalyzed Hydrogenation of Arenes and Hindered Olefins: Insights into Precatalyst Activation and Deactivation Pathways. ACS Catalysis, 2018, 8, 5276-5285.	11.7	38
129	Synthesis of Iron Hydride Complexes Relevant to Hydrogen Isotope Exchange in Pharmaceuticals. Organometallics, 2017, 36, 4341-4343.	2.6	37
130	Investigations into the Mechanism of Inter- and Intramolecular Iron-Catalyzed [2 + 2] Cycloaddition of Alkenes. Journal of the American Chemical Society, 2020, 142, 5314-5330.	14.6	37
131	Visible-Light-Enhanced Cobalt-Catalyzed Hydrogenation: Switchable Catalysis Enabled by Divergence between Thermal and Photochemical Pathways. ACS Catalysis, 2021, 11, 1351-1360.	11.7	37
132	C(sp²)â€“H Activation with Pyridine Dicarbene Iron Dialkyl Complexes: Hydrogen Isotope Exchange of Arenes Using Benzene-d₆ as a Deuterium Source. ACS Catalysis, 2020, 10, 8640-8647.	11.7	36
133	Green Chemistry: A Framework for a Sustainable Future. Organic Process Research and Development, 2021, 25, 1455-1459.	3.0	35
134	Molybdenum-Catalyzed Asymmetric Hydrogenation of Fused Arenes and Heteroarenes. Journal of the American Chemical Society, 2022, 144, 11203-11214.	14.6	35
135	Functionalization of Elemental Phosphorus with [Zr(5-C5Me5)(5-C5H4tBu)H2]2. Angewandte Chemie - International Edition, 2002, 41, 3463-3465.	14.8	33
136	Modern Alchemy: Replacing Precious Metals with Iron in Catalytic Alkene and Carbonyl Hydrogenation Reactions. , 2010, , 83-110.		33
137	Iron-Mediated Coupling of Carbon Dioxide and Ethylene: Macrocyclic Metallalactones Enable Access to Various Carboxylates. Journal of the American Chemical Society, 2018, 140, 11589-11593.	14.6	33
138	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie - International Edition, 2021, 60, 14376-14380.	14.8	33
139	Visible light enables catalytic formation of weak chemical bonds with molecular hydrogen. Nature Chemistry, 2021, 13, 969-976.	14.3	33
140	Cobalt-catalysed alkene hydrogenation: a metallacycle can explain the hydroxyl activating effect and the diastereoselectivity. Chemical Science, 2018, 9, 4977-4982.	7.8	31
141	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.	2.2	30
142	Oxidative Addition of Dihydrogen, Boron Compounds, and Aryl Halides to a Cobalt(I) Cation Supported by a Strong-Field Pincer Ligand. Organometallics, 2019, 38, 1081-1090.	2.6	30
143	A Tutorial on Selectivity Determination in C(sp²)â€“H Oxidative Addition of Arenes by Transition Metal Complexes. Organometallics, 2021, 40, 813-831.	2.6	30
144	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.	2.6	29

#	Article	IF	Citations
145	Di- and Tetrametallic Hafnocene Oxamidides Prepared from CO-Induced N₂ Bond Cleavage and Thermal Rearrangement to Hafnocene Cyanide Derivatives. Organometallics, 2012, 31, 6278-6287.	2.6	29
146	Determining and Understanding N-H Bond Strengths in Synthetic Nitrogen Fixation Cycles. Topics in Organometallic Chemistry, 2017, , 1-21.	0.0	29
147	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie, 2019, 131, 9292-9296.	2.1	28
148	Cobalt-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross Coupling. Organic Letters, 2021, 23, 625-630.	4.8	28
149	Dinitrogen Coupling to a Terpyridine-Molybdenum Chromophore Is Switched on by Fermi Resonance. CheM, 2019, 5, 402-416.	12.2	27
150	Exploring the Alcohol Stability of Bis(phosphine) Cobalt Dialkyl Precatalysts in Asymmetric Alkene Hydrogenation. Organometallics, 2019, 38, 149-156.	2.6	26
151	Catalytic Hydrogenation of a Manganese(V) Nitride to Ammonia. Journal of the American Chemical Society, 2020, 142, 9518-9524.	14.6	26
152	Mechanistic Investigations of the Asymmetric Hydrogenation of Enamides with Neutral Bis(phosphine) Cobalt Precatalysts. Journal of the American Chemical Society, 2022, 144, 15764-15778.	14.6	26
153	Kohlenstoffâ€Kohlenstoffâ€Bindungsbildung in einem schwachen Ligandenfeld: Nutzung von Openâ€Shellâ€Übergangsmetallkatalysatoren der ersten Übergangsperiode. Angewandte Chemie, 2017, 129, 5252-5265.	2.1	25
154	A fresh approach to synthesizing ammonia from air and water. Nature, 2019, 568, 464-466.	36.2	25
155	Development of Cobalt Catalysts for the meta-Selective C(sp²)â€“H Borylation of Fluorinated Arenes. Journal of the American Chemical Society, 2022, 144, 6465-6474.	14.6	25
156	Structure and Reactivity of a Hafnocene Î¼â€Nitrido Prepared From Dinitrogen Cleavage. Angewandte Chemie, 2012, 124, 5303-5306.	2.1	24
157	Nâ€“H and Nâ€“C Bond Formation with an N₂-Derived Dihafnium Î¼-Nitrido Complex. Organometallics, 2014, 33, 3727-3737.	2.6	24
158	C(sp²)â€“H Borylation of Heterocycles by Well-Defined Bis(silylene)pyridine Cobalt(III) Precatalysts: Pincer Modification, C(sp²)â€“H Activation, and Catalytically Relevant Intermediates. Organometallics, 2020, 39, 2763-2773.	2.6	24
159	Three-Component Coupling of Arenes, Ethylene, and Alkynes Catalyzed by a Cationic Bis(phosphine) Cobalt Complex: Intercepting Metallacyclopentenes for Câ€“H Functionalization. Journal of the American Chemical Society, 2022, 144, 4530-4540.	14.6	24
160	Synthesis and Electronic Structure of Iron Borate Betaine Complexes as a Route to Single-Component Iron Ethylene Oligomerization and Polymerization Catalysts. Organometallics, 2015, 34, 5615-5623.	2.6	23
161	Synthesis and Reactivity of Reduced Î±-Diimine Nickel Complexes Relevant to Acrylic Acid Synthesis. Organometallics, 2018, 37, 3389-3393.	2.6	23
162	1,2-Addition versus Ï*f*-Bond Metathesis Reactions in Transient Bis(cyclopentadienyl)zirconium Imides: Evidence for a d0 Dihydrogen Complex. Organometallics, 2008, 27, 872-879.	2.6	22

#	Article	IF	Citations
163	Evaluation of excited state bond weakening for ammonia synthesis from a manganese nitride: stepwise proton coupled electron transfer is preferred over hydrogen atom transfer. Chemical Communications, 2019, 55, 5595-5598.	4.2	21
164	Ammonia synthesis by photocatalytic hydrogenation of a N2-derived molybdenum nitride. Nature Synthesis, 2022, 1, 297-303.	10.0	21
165	Collaboration as a Key to Advance Capabilities for Earth-Abundant Metal Catalysis. Organic Process Research and Development, 2023, 27, 1160-1184.	3.0	21
166	Dinitrogen Borylation with Group 4 Metallocene Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 3907-3915.	2.2	20
167	Cobalt-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling Enabled by Well-Defined Precatalysts with L,X-Type Ligands. ACS Catalysis, 2022, 12, 1905-1918.	11.7	20
168	Cationic Bis(phosphine) Cobalt(I) Arene Complexes as Precatalysts for the Asymmetric Synthesis of Sitagliptin. ACS Catalysis, 2022, 12, 4680-4687.	11.7	20
169	Synthesis and Electronic Structure Diversity of Pyridine(diimine)iron Tetrazene Complexes. Inorganic Chemistry, 2018, 57, 9634-9643.	4.2	19
170	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobaltâ€Catalyzed Hydroformylation. Angewandte Chemie - International Edition, 2020, 59, 8912-8916.	14.8	19
171	Carbonâ^'Hydrogen Bond Activation with a Cyclometalated Zirconocene Hydride:Â Mechanistic Differences between Arene and Alkane Reductive Elimination. Organometallics, 2006, 25, 1092-1100.	2.6	18
172	Synthesis and Reactivity of Pyridine(diimine) Molybdenum Olefin Complexes: Ethylene Dimerization and Alkene Dehydrogenation. Organometallics, 2017, 36, 4215-4223.	2.6	18
173	Insights into Activation of Cobalt Preâ€Catalysts for C(sp²)â^'H Functionalization. Israel Journal of Chemistry, 2017, 57, 1032-1036.	2.6	18
174	Proton-Coupled Electron Transfer to a Molybdenum Ethylene Complex Yields a Î²-Agostic Ethyl: Structure, Dynamics and Mechanism. Journal of the American Chemical Society, 2018, 140, 13817-13826.	14.6	18
175	Alcohol Synthesis by Cobalt-Catalyzed Visible-Light-Driven Reductive Hydroformylation. Journal of the American Chemical Society, 2022, 144, 19219-19224.	14.6	18
176	Iron-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling Using an Alkoxide Base. ACS Catalysis, 2023, 13, 2443-2448.	11.7	18
177	Activation of Dinitrogenâ€Derived Hafnium Nitrides for Nucleophilic Nï¿½C Bond Formation with a Terminal Isocyanate. Angewandte Chemie, 2013, 125, 13203-13207.	2.1	17
178	Synthesis, Structure, and Hydrogenolysis of Pyridine Dicarbene Iron Dialkyl Complexes. Organometallics, 2019, 38, 3159-3168.	2.6	17
179	Pyridine(diimine) Iron Diene Complexes Relevant to Catalytic [2+2]â€Cycloaddition Reactions. Advanced Synthesis and Catalysis, 2020, 362, 404-416.	4.5	17
180	Mechanistic Origins of Regioselectivity in Cobalt-Catalyzed C(sp2)-H Borylation of Benzoate Esters and Arylboronate Esters. CheM, 2021, 7, 237-254.	12.2	17

#	Article	IF	Citations
181	Thermodynamics of Nâ€“H bond formation in bis(phosphine) molybdenum(<scp>ii</scp>) diazenides and the influence of the trans ligand. Dalton Transactions, 2016, 45, 15922-15930.	3.4	16
182	Visible-Light-Driven, Iridium-Catalyzed Hydrogen Atom Transfer: Mechanistic Studies, Identification of Intermediates, and Catalyst Improvements. Jacs Au, 2022, 2, 407-418.	8.3	16
183	Catalyst Design Principles Enabling Intermolecular Alkene-Diene [2+2] Cycloaddition and Depolymerization Reactions. Journal of the American Chemical Society, 2021, 143, 17793-17805.	14.6	15
184	Well-Defined Cationic Cobalt(I) Precatalyst for Olefin-Alkyne [2 + 2] Cycloaddition and Olefin-Diene Hydrovinylation Reactions: Experimental Evidence for Metallacycle Intermediates. Organometallics, 2021, 40, 3599-3607.	2.6	15
185	Green Chemistry: A Framework for a Sustainable Future. Environmental Science & Technology, 2021, 55, 8459-8463.	10.5	14
186	Mechanistic Investigations of Phenoxyimineâ€“Cobalt(II)-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling. Journal of the American Chemical Society, 2023, 145, 17029-17041.	14.6	14
187	Electronic Structures of Reduced Manganese, Iron, and Cobalt Complexes Bearing Redoxâ€Active Bis(imino)pyridine Pincer Ligands. , 2014, , 189-212.		13
188	Ultrafast Photophysics of a Dinitrogen-Bridged Molybdenum Complex. Journal of the American Chemical Society, 2018, 140, 6298-6307.	14.6	13
189	Pyridine(diimine) Chelate Hydrogenation in a Molybdenum Nitrido Ethylene Complex. Organometallics, 2019, 38, 1682-1687.	2.6	13
190	Direct Observation of Transmetalation from a Neutral Boronate Ester to a Pyridine(diimine) Iron Alkoxide. Organometallics, 2020, 39, 201-205.	2.6	13
191	Synthesis of Cationic, Dimeric Î±-Diimine Nickel Hydride Complexes and Relevance to the Polymerization of Olefins. Organometallics, 2020, 39, 2630-2635.	2.6	13
192	Iron-Catalyzed Vinylsilane Dimerization and Cross-Cycloadditions with 1,3-Dienes: Probing the Origins of Chemo- and Regioselectivity. ACS Catalysis, 2021, 11, 1368-1379.	11.7	13
193	C(sp²)â€“H Activation with Bis(silylene)pyridine Cobalt(III) Complexes: Catalytic Hydrogen Isotope Exchange of Sterically Hindered Câ€“H Bonds. ACS Catalysis, 2022, 12, 8877-8885.	11.7	13
194	Bis(indenyl)hafnium Chemistry: Ligand-Induced Haptotropic Rearrangement and Fundamental Reactivity Studies at a Reduced Hafnium Center. Organometallics, 2009, 28, 2471-2484.	2.6	12
195	Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations. Angewandte Chemie, 2011, 123, 8293-8297.	2.1	12
196	Azo Nï£¾N Bond Cleavage with a Redoxâ€Active Vanadium Compound Involving Metalâ€“Ligand Cooperativity. Angewandte Chemie, 2012, 124, 5482-5486.	2.1	12
197	Editorial: A New Look, Some New Faces, and Continuing the Tradition of Excellence. Organometallics, 2015, 34, 1-2.	2.6	12
198	Cobalt-Catalyzed Asymmetric Hydrogenation of Enamides: Insights into Mechanisms and Solvent Effects. Organometallics, 2022, 41, 1872-1882.	2.6	12

#	Article	IF	Citations
199	Synthesis and Ligand Modification Chemistry of a Molybdenum Dinitrogen Complex: Redox and Chemical Activity of a Bis(imino)pyridine Ligand. Angewandte Chemie, 2014, 126, 14435-14439.	2.1	11
200	Ligand substitution and electronic structure studies of bis(phosphine)cobalt cyclooctadiene precatalysts for alkene hydrogenation. Canadian Journal of Chemistry, 2021, 99, 193-201.	1.1	11
201	Oxidative Addition of Aryl and Alkyl Halides to a Reduced Iron Pincer Complex. Journal of the American Chemical Society, 2021, 143, 5928-5936.	14.6	11
202	Green Chemistry: A Framework for a Sustainable Future. Environmental Science and Technology Letters, 2021, 8, 487-491.	8.8	11
203	Green Chemistry: A Framework for a Sustainable Future. ACS Omega, 2021, 6, 16254-16258.	3.6	10
204	A Career in Catalysis: John E. Bercaw. ACS Catalysis, 2015, 5, 1747-1757.	11.7	9
205	Câ€“H Activation by Isolable Cationic Bis(phosphine) Cobalt(III) Metallacycles. Journal of the American Chemical Society, 2022, 144, 19186-19195.	14.6	9
206	Identification of Cyclohexadienyl Hydrides as Intermediates in Molybdenumâ€Catalyzed Arene Hydrogenation. Angewandte Chemie - International Edition, 2023, 62, .	14.8	9
207	Interconversion of Molybdenum Imido and Amido Complexes by Protonâ€Coupled Electron Transfer. Angewandte Chemie, 2018, 130, 2246-2250.	2.1	8
208	Determination of the Nâ€“H Bond Dissociation Free Energy in a Pyridine(diimine)molybdenum Complex Prepared by Proton-Coupled Electron Transfer. Inorganic Chemistry, 2020, 59, 15394-15401.	4.2	8
209	Coordination-Induced Nâ€“H Bond Weakening in a Molybdenum Pyrrolidine Complex: Isotopic Labeling Provides Insight into the Pathway for H₂ Evolution. Organometallics, 2020, 39, 3050-3059.	2.6	8
210	Synthesis and Asymmetric Alkene Hydrogenation Activity of C₂-Symmetric Enantioenriched Pyridine Dicarbene Iron Dialkyl Complexes. Organometallics, 2021, 40, 1053-1061.	2.6	8
211	Effect of Pincer Methylation on the Selectivity and Activity in (PNP)Cobalt-Catalyzed C(sp²)â€“H Borylation. Organometallics, 2021, 40, 3766-3774.	2.6	8
212	Catalytic Nâ€“H Bond Formation Promoted by a Ruthenium Hydride Complex Bearing a Redox-Active Pyrimidine-Imine Ligand. Journal of the American Chemical Society, 2022, 144, 20661-20671.	14.6	8
213	Organometallics in 2019: It is Elementary. Organometallics, 2019, 38, 195-197.	2.6	7
214	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie, 2021, 133, 14497-14501.	2.1	7
215	Exploring the Effect of Pincer Rigidity on Oxidative Addition Reactions with Cobalt(I) Complexes. Organometallics, 2023, 42, 708-718.	2.6	7
216	Dos and Donâ€™ts: Thoughts on How To Respond to Reviewer Comments. Organometallics, 2018, 37, 2655-2655.	2.6	6

#	Article	IF	Citations
217	Exploring C(sp3)â€“C(sp3) reductive elimination from an isolable iron metallacycle. Polyhedron, 2019, 159, 308-317.	2.3	6
218	Green Chemistry: A Framework for a Sustainable Future. Organic Letters, 2021, 23, 4935-4939.	4.8	6
219	Redoxâ€Induced N₂ Hapticity Switching in Zirconocene Dinitrogen Complexes. Angewandte Chemie, 2013, 125, 5480-5484.	2.1	5
220	Expanding the Boundaries of Organometallic Chemistry. Organometallics, 2018, 37, 835-836.	2.6	5
221	Green Chemistry: A Framework for a Sustainable Future. Journal of Organic Chemistry, 2021, 86, 8551-8555.	3.3	5
222	Bimolecular Reductive Elimination of Ethane from Pyridine(diimine) Iron Methyl Complexes: Mechanism, Electronic Structure, and Entry into [2+2] Cycloaddition Catalysis. Journal of the American Chemical Society, 2023, 145, 5061-5073.	14.6	5
223	C_S-Symmetric Pyridine(diimine) Iron Methyl Complexes for Catalytic [2+2] Cycloaddition and Hydrovinylation: Metallacycle Geometry Determines Selectivity. Jacs Au, 2023, 3, 2007-2024.	8.3	5
224	Cationic Pyridine(diimine) Iron Tethered Alkene Complexes: Synthetic Models For Elusive Intermediates In Iron-Catalyzed Ethylene Polymerization. Bulletin of Japan Society of Coordination Chemistry, 2016, 67, 19-29.	0.3	4
225	Green Chemistry: A Framework for a Sustainable Future. Organometallics, 2021, 40, 1801-1805.	2.6	4
226	A butadiene-derived semicrystalline polyolefin with two-tiered chemical recyclability. CheM, 2024, 10, 698-712.	12.2	4
227	Green Chemistry: A Framework for a Sustainable Future. Industrial & Engineering Chemistry Research, 2021, 60, 8964-8968.	3.8	3
228	(PNP)Cobalt-Catalyzed Olefination of Diazoalkanes. Organometallics, 2022, 41, 3138-3144.	2.6	3
229	Asymmetric Hydrogenation of Indazole-Containing Enamides Relevant to the Synthesis of Zavegepant Using Neutral and Cationic Cobalt Precatalysts. Organic Letters, 2024, 26, 2718-2723.	4.8	3
230	Editorial: Organometallics Is a Changinâ€™â€”The What, Why, and How. Organometallics, 2015, 34, 3097-3098.	2.6	2
231	Editorial: Introducing Tutorials. Organometallics, 2015, 34, 4783-4783.	2.6	2
232	Organometallics in 2017: A Global Endeavor. Organometallics, 2017, 36, 1-4.	2.6	2
233	Actions at J. Org. Chem., Org. Lett., and Organometallics to Combat Discrimination and Bias. Journal of Organic Chemistry, 2020, 85, 10285-10286.	3.3	2
234	2020 Vision: A Year for Pioneers and Influencers of Organometallic Chemistry. Organometallics, 2020, 39, 1-2.	2.6	2

#	Article	IF	Citations
235	Green Chemistry: A Framework for a Sustainable Future. ACS Sustainable Chemistry and Engineering, 2021, 9, 8336-8340.	6.9	2
236	Nickel-Catalyzed Dimerization of Di- and Trisubstituted Olefins. Organometallics, 2022, 41, 2059-2066.	2.6	2
237	Pentamethylcyclopentadienyl Metalloradical Iron Complexes Containing Redox Noninnocent Î±-Diimine-Type Ligands: Synthesis, Molecular, and Electronic Structures. Organometallics, 2023, 42, 465-472.	2.6	2
238	Quinoline Pyridine(Imine) Iron Complexes as Catalysts for the 1,4-Hydrovinylation of 1,3-Dienes. Organometallics, 2023, 42, 3109-3119.	2.6	2
239	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Inorganic Chemistry, 2018, 57, 11299-11305.	4.2	1
240	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Organometallics, 2018, 37, 2825-2831.	2.6	1
241	Titelbild: Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds (Angew. Chem. 27/2019). Angewandte Chemie, 2019, 131, 9041-9041.	2.1	1
242	From Russia, With Chemistry. Organometallics, 2020, 39, 375-377.	2.6	1
243	Identification of Cyclohexadienyl Hydrides as Intermediates in Molybdenumâ€Catalyzed Arene Hydrogenation. Angewandte Chemie, 2023, 135, .	2.1	1
244	C(sp³)â€“C(sp²) Reductive Elimination versus Î²-Hydride Elimination from Cobalt(III) Intermediates in Catalytic Câ€“H Functionalization. ACS Catalysis, 0, , 8700-8707.	11.7	1
245	Arene Insertion with Pincer-Supported Molybdenum-Hydrides: Determination of Site Selectivity, Relative Rates, and Arene Complex Formation. Journal of the American Chemical Society, 2023, 145, 21027-21039.	14.6	1
246	Phenoxythiazoline (FTz)â€Cobalt(II) Precatalysts Enable C(sp²)â€“C(sp³) Bondâ€Formation for Key Intermediates in the Synthesis of Tollâ€like Receptor 7/8 Antagonists**. Angewandte Chemie - International Edition, 2023, 62, .	14.8	1
247	Iridium-Catalyzed Hydrogenation of a Phenoxy Radical to the Phenol: Overcoming Catalyst Deactivation with Visible Light Irradiation. Inorganic Chemistry, 2023, 62, 19582-19592.	4.2	1
248	(Phenoxyimine)nickel-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling: Evidence for a Recovering Radical Chain Mechanism. Journal of the American Chemical Society, 2024, 146, 10124-10141.	14.6	1
249	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.	2.1	0
250	Bis(Î·⁵â€Pentamethylcyclopentadienyl) Complexes of Titanium, Zirconium, and Hafnium. Inorganic Syntheses, 2014, , 47-51.	0.0	0
251	Editorial: An Award-Winning Tutorial. Organometallics, 2016, 35, 3087-3087.	2.6	0
252	Introduction to the Virtual Issue Honoring Robert Bergmanâ€™s 2017 Wolf Prize in Chemistry. Organometallics, 2017, 36, 957-959.	2.6	0

#	Article	IF	Citations
253	Organometallics in 2018. Organometallics, 2018, 37, 271-272.	2.6	0
254	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Journal of Organic Chemistry, 2018, 83, 9573-9579.	3.3	0
255	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Organic Letters, 2018, 20, 5075-5081.	4.8	0
256	Organometallics Global Enterprise. Organometallics, 2019, 38, 1827-1827.	2.6	0
257	Editorial Confronting Racism in Chemistry Journals. , 2020, 2, 829-831.		0
258	Actions at J. Org. Chem., Org. Lett. and Organometallics to Combat Discrimination and Bias. Organometallics, 2020, 39, 2929-2930.	2.6	0
259	Actions at J. Org. Chem., Org. Lett., and Organometallics to Combat Discrimination and Bias. Organic Letters, 2020, 22, 6221-6222.	4.8	0
260	Dietmar Seyferth (1929â€“2020): A Foundational and Enduring Legacy at Organometallics. Organometallics, 2020, 39, 3061-3063.	2.6	0
261	Pioneers and Influencers in Organometallic Chemistry: A Profile of Professor Jay Kochi. Organometallics, 2020, 39, 775-777.	2.6	0
262	From Russia, With Chemistry. Organic Letters, 2020, 22, 765-767.	4.8	0
263	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobaltâ€Catalyzed Hydroformylation. Angewandte Chemie, 2020, 132, 8997-9001.	2.1	0
264	Looking Forward to 2021: The Fabulous Forties!. Organometallics, 2021, 40, 95-97.	2.6	0
265	Pioneers and Influencers: A Profile of Dr. Kenrick Lewis. Organometallics, 2021, 40, 459-462.	2.6	0
266	From Russia, With Chemistry. Journal of Organic Chemistry, 2020, 85, 1325-1327.	3.3	0
267	Making 2022 Picture Perfect. Organometallics, 0, , .	2.6	0
268	40 Years of Organometallics. Organometallics, 2021, 40, 4035-4040.	2.6	0
269	Pioneers and Influencers in Organometallic Chemistry: A Profile of Dr. Barbara Burger. Organometallics, 2022, 41, 1587-1589.	2.6	0
270	Scoping Out 2023. Organometallics, 2023, 42, 175-176.	2.6	0

#	Article	IF	Citations
271	Phenoxythiazoline (FTz)â€Cobalt(II) Precatalysts Enable C(sp²)â€“C(sp³) Bondâ€Formation for Key Intermediates in the Synthesis of Tollâ€like Receptor 7/8 Antagonists**. Angewandte Chemie, 2023, 135, .	2.1	0
272	Introducing the Authorâ€™s Corner. Organometallics, 2024, 43, 203-204.	2.6	0
273	Iridium-Catalyzed Hydrogenation of a Phenoxy Radical to the Phenol: Overcoming Catalyst Deactivation with Visible Light Irradiation. Inorganic Chemistry, 2023, 62, 19582-19592.	4.2	0
274	Ligand Field Sensitive Spin Acceleration in the Iron-Catalyzed [2 + 2] Cycloaddition of Unactivated Alkenes and Dienes. Journal of the American Chemical Society, 2024, 146, 9947-9956.	14.6	0
275	C(sp³)â€“C(sp³) Reductive Elimination from (Phenoxyimine)Cobalt(III)(CH₃)₂(PMe₃)₂ Complexes. Organometallics, 2024, 43, 1021-1029.	2.6	0
276	Synthesis, Thermochemistry, and Cure Behavior of Oligocyclobutane-Containing Prepolymers Relevant to Propellant Applications. ACS Applied Polymer Materials, 2024, 6, 5171-5182.	4.5	0
277	Thank You, Steve Ritter!. Organic Letters, 2024, 26, 4581-4582.	4.8	0
278	Thank You, Steve Ritter!. Inorganic Chemistry, 2024, 63, 10453-10454.	4.2	0
279	Thank You, Steve Ritter!. Organic Process Research and Development, 2024, 28, 2383-2384.	3.0	0
280	Thank You, Steve Ritter!. Organometallics, 2024, 43, 1203-1204.	2.6	0
281	Thank You, Steve Ritter!. Journal of Organic Chemistry, 2024, 89, 7353-7354.	3.3	0
282	Cationic Bis(Î·⁶-arene) Cobalt(I) Complexes: Enabling Catalyst Discovery by High-Throughput Experimentation. ACS Catalysis, 0, , 13260-13268.	11.7	0
283	Nickel-Catalyzed Câ€“C Activation of Vinylcyclobutane with Visible Light: Scope, Mechanism, and Application to Chemically Recyclable Polyolefins. Journal of the American Chemical Society, 0, , .	14.6	0
284	Mechanistic Studies and Identification of Catalyst Deactivation Pathways for Pyridine(diimine) Iron Catalyzed C(sp²)â€“H Borylation. ACS Catalysis, 0, , 13999-14011.	11.7	0
285	Photodriven Ammonia Synthesis from Manganese Nitrides: Photophysics and Mechanistic Investigations. Journal of the American Chemical Society, 2024, 146, 27610-27621.	14.6	0
286	Asymmetric Hydrogenation of Naphthalenes with Molybdenum Catalysts: Ligand Design Improves Chemoselectivity. ACS Catalysis, 0, , 15545-15552.	11.7	0