

Paul J Chirik

List of Publications by Year in descending order

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371
papers

21,018
citations

5891

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384
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384
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times ranked

9513
citing authors

#	ARTICLE	IF	CITATIONS
1	Radical Ligands Confer Nobility on Base-Metal Catalysts. <i>Science</i> , 2010, 327, 794-795.	6.0	810
2	Preparation and Molecular and Electronic Structures of Iron(0) Dinitrogen and Silane Complexes and Their Application to Catalytic Hydrogenation and Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2004, 126, 13794-13807.	6.6	765
3	Iron- and Cobalt-Catalyzed Alkene Hydrogenation: Catalysis with Both Redox-Active and Strong Field Ligands. <i>Accounts of Chemical Research</i> , 2015, 48, 1687-1695.	7.6	604
4	Earth-abundant transition metal catalysts for alkene hydrosilylation and hydroboration. <i>Nature Reviews Chemistry</i> , 2018, 2, 15-34.	13.8	591
5	Hydrogenation and cleavage of dinitrogen to ammonia with a zirconium complex. <i>Nature</i> , 2004, 427, 527-530.	13.7	572
6	Iron Catalysts for Selective Anti-Markovnikov Alkene Hydrosilylation Using Tertiary Silanes. <i>Science</i> , 2012, 335, 567-570.	6.0	477
7	Electronic Structure of Bis(imino)pyridine Iron Dichloride, Monochloride, and Neutral Ligand Complexes: A Combined Structural, Spectroscopic, and Computational Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 13901-13912.	6.6	457
8	Preface: Forum on Redox-Active Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 9737-9740.	1.9	367
9	Cobalt Precursors for High-Throughput Discovery of Base Metal Asymmetric Alkene Hydrogenation Catalysts. <i>Science</i> , 2013, 342, 1076-1080.	6.0	346
10	Bis(imino)pyridine Cobalt-Catalyzed Alkene Isomerization/Hydroboration: A Strategy for Remote Hydrofunctionalization with Terminal Selectivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 19107-19110.	6.6	337
11	Iron-Catalyzed [2+2] Cycloaddition of π -Dienes: The Importance of Redox-Active Supporting Ligands. <i>Journal of the American Chemical Society</i> , 2006, 128, 13340-13341.	6.6	314
12	Enantiopure C_{1} -Symmetric Bis(imino)pyridine Cobalt Complexes for Asymmetric Alkene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2012, 134, 4561-4564.	6.6	313
13	Getting Down to Earth: The Renaissance of Catalysis with Abundant Metals. <i>Accounts of Chemical Research</i> , 2015, 48, 2495-2495.	7.6	311
14	Iron-catalysed tritiation of pharmaceuticals. <i>Nature</i> , 2016, 529, 195-199.	13.7	311
15	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , 2020, 369, .	6.0	306
16	Cobalt-Catalyzed C-H Borylation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4133-4136.	6.6	276
17	Iron-Catalyzed, Hydrogen-Mediated Reductive Cyclization of 1,6-Enynes and Diynes: Evidence for Bis(imino)pyridine Ligand Participation. <i>Journal of the American Chemical Society</i> , 2009, 131, 8772-8774.	6.6	246
18	Cobalt Catalyzed Z-Selective Hydroboration of Terminal Alkynes and Elucidation of the Origin of Selectivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 5855-5858.	6.6	229

#	ARTICLE	IF	CITATIONS
19	Cobalt-catalyzed asymmetric hydrogenation of enamides enabled by single-electron reduction. <i>Science</i> , 2018, 360, 888-893.	6.0	219
20	High-Activity Iron Catalysts for the Hydrogenation of Hindered, Unfunctionalized Alkenes. <i>ACS Catalysis</i> , 2012, 2, 1760-1764.	5.5	203
21	Cobalt-Catalyzed Benzylic Borylation: Enabling Polyborylation and Functionalization of Remote, Unactivated C(sp ³)â€“H Bonds. <i>Journal of the American Chemical Society</i> , 2016, 138, 766-769.	6.6	200
22	Bis(imino)pyridine Iron Complexes for Aldehyde and Ketone Hydrosilylation. <i>Organic Letters</i> , 2008, 10, 2789-2792.	2.4	198
23	Synthesis and Hydrogenation of Bis(imino)pyridine Iron Imides. <i>Journal of the American Chemical Society</i> , 2006, 128, 5302-5303.	6.6	197
24	Bis(imino)pyridine Cobalt-Catalyzed Dehydrogenative Silylation of Alkenes: Scope, Mechanism, and Origins of Selective Allylsilane Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 12108-12118.	6.6	196
25	Alkene Isomerizationâ€“Hydroboration Promoted by Phosphine-Ligated Cobalt Catalysts. <i>Organic Letters</i> , 2015, 17, 2716-2719.	2.4	196
26	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. <i>Organometallics</i> , 2009, 28, 3928-3940.	1.1	193
27	Catalytic Hydrogenation Activity and Electronic Structure Determination of Bis(arylimidazol-2-ylidene)pyridine Cobalt Alkyl and Hydride Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13168-13184.	6.6	192
28	Arene Coordination in Bis(imino)pyridine Iron Complexes: Identification of Catalyst Deactivation Pathways in Iron-Catalyzed Hydrogenation and Hydrosilylation. <i>Organometallics</i> , 2006, 25, 4269-4278.	1.1	183
29	Highly Selective Bis(imino)pyridine Iron-Catalyzed Alkene Hydroboration. <i>Organic Letters</i> , 2013, 15, 2680-2683.	2.4	182
30	Functional Group Tolerance and Substrate Scope in Bis(imino)pyridine Iron Catalyzed Alkene Hydrogenation. <i>Organometallics</i> , 2008, 27, 1470-1478.	1.1	181
31	Dinitrogen cleavage and functionalization by carbon monoxide promoted by a hafnium complex. <i>Nature Chemistry</i> , 2010, 2, 30-35.	6.6	181
32	Cobalt-Catalyzed Enantioselective Hydrogenation of Minimally Functionalized Alkenes: Isotopic Labeling Provides Insight into the Origin of Stereoselectivity and Alkene Insertion Preferences. <i>Journal of the American Chemical Society</i> , 2016, 138, 3314-3324.	6.6	179
33	Synthesis and Molecular and Electronic Structures of Reduced Bis(imino)pyridine Cobalt Dinitrogen Complexes: Ligand versus Metal Reduction. <i>Journal of the American Chemical Society</i> , 2010, 132, 1676-1684.	6.6	175
34	Alkene Hydrosilylation Using Tertiary Silanes with \pm -Diimine Nickel Catalysts. Redox-Active Ligands Promote a Distinct Mechanistic Pathway from Platinum Catalysts. <i>ACS Catalysis</i> , 2016, 6, 4105-4109.	5.5	173
35	Iron-catalyzed intermolecular [2+2] cycloadditions of unactivated alkenes. <i>Science</i> , 2015, 349, 960-963.	6.0	171
36	Coordination-induced weakening of ammonia, water, and hydrazine Xâ€“H bonds in a molybdenum complex. <i>Science</i> , 2016, 354, 730-733.	6.0	165

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37	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. <i>Journal of the American Chemical Society</i> , 2016, 138, 3562-3569.	6.6	165
38	Low-Valent $\hat{1}\pm$ -Diimine Iron Complexes for Catalytic Olefin Hydrogenation. <i>Organometallics</i> , 2005, 24, 5518-5527.	1.1	163
39	High-Activity Cobalt Catalysts for Alkene Hydroboration with Electronically Responsive Terpyridine and $\hat{1}\pm$ -Diimine Ligands. <i>ACS Catalysis</i> , 2015, 5, 622-626.	5.5	163
40	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. <i>Journal of the American Chemical Society</i> , 2010, 132, 15046-15059.	6.6	155
41	Bis(imino)pyridine Iron(II) Alkyl Cations for Olefin Polymerization. <i>Journal of the American Chemical Society</i> , 2005, 127, 9660-9661.	6.6	154
42	Beyond Ammonia: Nitrogen-Element Bond Forming Reactions with Coordinated Dinitrogen. <i>Chemical Reviews</i> , 2020, 120, 5637-5681.	23.0	154
43	Four-Coordinate Cobalt Pincer Complexes: Electronic Structure Studies and Ligand Modification by Homolytic and Heterolytic Pathways. <i>Journal of the American Chemical Society</i> , 2014, 136, 9211-9224.	6.6	152
44	Bis(diisopropylphosphino)pyridine Iron Dicarbonyl, Dihydride, and Silyl Hydride Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 7252-7260.	1.9	150
45	Selective, Catalytic Carbon-Carbon Bond Activation and Functionalization Promoted by Late Transition Metal Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 886-887.	6.6	142
46	Iron-Catalyzed Intermolecular $[2\hat{1}\epsilon + 2\hat{1}\epsilon]$ Cycloaddition. <i>Journal of the American Chemical Society</i> , 2011, 133, 8858-8861.	6.6	142
47	Synthesis, Electronic Structure, and Alkene Hydrosilylation Activity of Terpyridine and Bis(imino)pyridine Iron Dialkyl Complexes. <i>Organometallics</i> , 2012, 31, 4886-4893.	1.1	139
48	Bench-Stable, Substrate-Activated Cobalt Carboxylate Pre-Catalysts for Alkene Hydrosilylation with Tertiary Silanes. <i>ACS Catalysis</i> , 2016, 6, 2632-2636.	5.5	137
49	Cobalt-Catalyzed 1,1-Diboration of Terminal Alkynes: Scope, Mechanism, and Synthetic Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 3868-3875.	6.6	132
50	Dinitrogen functionalization with bis(cyclopentadienyl) complexes of zirconium and hafnium. <i>Dalton Transactions</i> , 2007, , 16-25.	1.6	131
51	Oxidative Addition of Carbon-Carbon Bonds with a Redox-Active Bis(imino)pyridine Iron Complex. <i>Journal of the American Chemical Society</i> , 2012, 134, 17125-17137.	6.6	131
52	Bis(imino)pyridine Iron Dinitrogen Compounds Revisited: Differences in Electronic Structure Between Four- and Five-Coordinate Derivatives. <i>Inorganic Chemistry</i> , 2012, 51, 3770-3785.	1.9	126
53	Carbon-Carbon Bond Formation in a Weak Ligand Field: Leveraging Open-Shell First-Row Transition-Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5170-5181.	7.2	126
54	Synthesis of Aryl-Substituted Bis(imino)pyridine Iron Dinitrogen Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 2782-2792.	1.9	124

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55	Synthesis and Electronic Structure of Bis(imino)pyridine Iron Metallacyclic Intermediates in Iron-Catalyzed Cyclization Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 4862-4877.	6.6	122
56	High-Selectivity Bis(imino)pyridine Iron Catalysts for the Hydrosilylation of 1,2,4-Trivinylcyclohexane. <i>ACS Catalysis</i> , 2012, 2, 2169-2172.	5.5	121
57	Square Planar vs Tetrahedral Geometry in Four Coordinate Iron(II) Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 3103-3111.	1.9	119
58	Bis(phosphine)cobalt Dialkyl Complexes for Directed Catalytic Alkene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2014, 136, 13178-13181.	6.6	117
59	Carbon Dioxide Hydrosilylation Promoted by Cobalt Pincer Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 9463-9465.	1.9	116
60	Cobalt-Catalyzed C(sp ²)-H Borylation: Mechanistic Insights Inspire Catalyst Design. <i>Journal of the American Chemical Society</i> , 2016, 138, 10645-10653.	6.6	116
61	Photolysis and Thermolysis of Bis(imino)pyridine Cobalt Azides: C-H Activation from Putative Cobalt Nitrido Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 16343-16345.	6.6	114
62	Neutral-Ligand Complexes of Bis(imino)pyridine Iron: Synthesis, Structure, and Spectroscopy. <i>Inorganic Chemistry</i> , 2007, 46, 7055-7063.	1.9	111
63	Synthesis, Reactivity, and Solid State Structures of Four-Coordinate Iron(II) and Manganese(II) Alkyl Complexes. <i>Organometallics</i> , 2004, 23, 237-246.	1.1	109
64	Enabling Two-Electron Pathways with Iron and Cobalt: From Ligand Design to Catalytic Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 9106-9123.	6.6	109
65	C(sp ²)-H Borylation of Fluorinated Arenes Using an Air-Stable Cobalt Precatalyst: Electronically Enhanced Site Selectivity Enables Synthetic Opportunities. <i>Journal of the American Chemical Society</i> , 2017, 139, 2825-2832.	6.6	107
66	Square planar bis(imino)pyridine iron halide and alkyl complexes. <i>Chemical Communications</i> , 2005, , 3406.	2.2	104
67	Benzyltriboronates: Building Blocks for Diastereoselective Carbon-Carbon Bond Formation. <i>Journal of the American Chemical Society</i> , 2017, 139, 2589-2592.	6.6	99
68	Reduced-N-Alkyl Substituted Bis(imino)pyridine Cobalt Complexes: Molecular and Electronic Structures for Compounds Varying by Three Oxidation States. <i>Inorganic Chemistry</i> , 2010, 49, 6110-6123.	1.9	94
69	Synthesis and Electronic Structure Determination of N-Alkyl-Substituted Bis(imino)pyridine Iron Imides Exhibiting Spin Crossover Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 17353-17369.	6.6	94
70	Ni(I)-X Complexes Bearing a Bulky \pm -Diimine Ligand: Synthesis, Structure, and Superior Catalytic Performance in the Hydrogen Isotope Exchange in Pharmaceuticals. <i>Journal of the American Chemical Society</i> , 2019, 141, 5034-5044.	6.6	92
71	Iron Diazoalkane Chemistry: N-N Bond Hydrogenation and Intramolecular C-H Activation. <i>Journal of the American Chemical Society</i> , 2007, 129, 7212-7213.	6.6	91
72	Nitrogen-Carbon Bond Formation from N ₂ and CO ₂ Promoted by a Hafnocene Dinitrogen Complex Yields a Substituted Hydrazine. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2858-2861.	7.2	91

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73	Carbon-Oxygen Bond Cleavage by Bis(imino)pyridine Iron Compounds: Catalyst Deactivation Pathways and Observation of Acyl C=O Bond Cleavage in Esters. <i>Organometallics</i> , 2008, 27, 6264-6278.	1.1	90
74	On the Origin of Dinitrogen Hydrogenation Promoted by $[(\eta^5\text{-C}_5\text{Me}_4\text{H})_2\text{Zr}]_2(\eta^2\text{-N}_2)$. <i>Journal of the American Chemical Society</i> , 2004, 126, 14326-14327.	6.6	89
75	Kinetics and Mechanism of N ₂ Hydrogenation in Bis(cyclopentadienyl) Zirconium Complexes and Dinitrogen Functionalization by 1,2-Addition of a Saturated C-H Bond. <i>Journal of the American Chemical Society</i> , 2005, 127, 14051-14061.	6.6	88
76	Synthesis of Bis(imino)pyridine Iron Di- and Monoalkyl Complexes: Stability Differences between $\text{FeCH}_2\text{SiMe}_3$ and $\text{FeCH}_2\text{CMe}_3$ Derivatives. <i>Organometallics</i> , 2008, 27, 109-118.	1.1	87
77	Cobalt-Catalyzed Asymmetric Hydrogenation of $\hat{1},\hat{1}^2$ -Unsaturated Carboxylic Acids by Homolytic H_2 Cleavage. <i>Journal of the American Chemical Society</i> , 2020, 142, 5272-5281.	6.6	87
78	Dinitrogen Activation by Titanium Sandwich Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14688-14689.	6.6	85
79	Evaluation of Cobalt Complexes Bearing Tridentate Pincer Ligands for Catalytic C-H Borylation. <i>Organometallics</i> , 2015, 34, 1307-1320.	1.1	85
80	N-C Bond Formation Promoted by a Hafnocene Dinitrogen Complex: A Comparison of Zirconium and Hafnium Congeners. <i>Journal of the American Chemical Society</i> , 2006, 128, 10696-10697.	6.6	83
81	Carbon Monoxide-Induced Dinitrogen Cleavage with Group 4 Metallocenes: Reaction Scope and Coupling to N-H Bond Formation and CO Deoxygenation. <i>Journal of the American Chemical Society</i> , 2010, 132, 10553-10564.	6.6	83
82	Cobalt-Catalyzed Stereoretentive Hydrogen Isotope Exchange of $\text{C}(\text{sp}^3)$ -H Bonds. <i>ACS Catalysis</i> , 2017, 7, 5674-5678.	5.5	83
83	N ₂ Hydrogenation Promoted by a Side-On Bound Hafnocene Dinitrogen Complex. <i>Organometallics</i> , 2006, 25, 1021-1027.	1.1	82
84	Cobalt-Catalyzed $[2\text{C} + 2\text{C}]$ Cycloadditions of Alkenes: Scope, Mechanism, and Elucidation of Electronic Structure of Catalytic Intermediates. <i>Journal of the American Chemical Society</i> , 2015, 137, 7903-7914.	6.6	79
85	Bis(imino)pyridine Iron Alkyls Containing $\hat{1}^2$ -Hydrogens: Synthesis, Evaluation of Kinetic Stability, and Decomposition Pathways Involving Chelate Participation. <i>Journal of the American Chemical Society</i> , 2008, 130, 11631-11640.	6.6	78
86	Synthesis, electronic structure and reactivity of bis(imino)pyridine iron carbene complexes: evidence for a carbene radical. <i>Chemical Science</i> , 2014, 5, 1168-1174.	3.7	78
87	Ammonia Activation, H_2 Evolution and Nitride Formation from a Molybdenum Complex with a Chemically and Redox Noninnocent Ligand. <i>Journal of the American Chemical Society</i> , 2017, 139, 6110-6113.	6.6	78
88	Oxidation and Reduction of Bis(imino)pyridine Iron Dinitrogen Complexes: Evidence for Formation of a Chelate Trianion.. <i>Inorganic Chemistry</i> , 2013, 52, 635-646.	1.9	77
89	Expanding Boundaries: N_2 Cleavage and Functionalization beyond Early Transition Metals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7892-7896.	7.2	76
90	Selective [1,4]-Hydrovinylation of 1,3-Dienes with Unactivated Olefins Enabled by Iron Diimine Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 3443-3453.	6.6	75

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91	Insight into Transmetalation Enables Cobalt-Catalyzed Suzuki–Miyaura Cross Coupling. ACS Central Science, 2016, 2, 935-942.	5.3	74
92	Dinitrogen Silylation and Cleavage with a Hafnocene Complex. Journal of the American Chemical Society, 2011, 133, 10406-10409.	6.6	73
93	Cobalt-Catalyzed C(sp ²)–H Borylation with an Air-Stable, Readily Prepared Terpyridine Cobalt(II) Bis(acetate) Precatalyst. Organometallics, 2017, 36, 142-150.	1.1	73
94	Synthesis of a Base-Free Hafnium Nitride from N ₂ Cleavage: A Versatile Platform for Dinitrogen Functionalization. Journal of the American Chemical Society, 2013, 135, 11373-11383.	6.6	71
95	Oxidative addition and C–H activation chemistry with a PNP pincer-ligated cobalt complex. Chemical Science, 2014, 5, 1956-1960.	3.7	71
96	Carboxylation of an <i>ansa</i> -Zirconocene Dinitrogen Complex: Regiospecific Hydrazine Synthesis from N ₂ and CO ₂ . Journal of the American Chemical Society, 2008, 130, 4248-4249.	6.6	69
97	Synthesis, Electronic Structure, and Catalytic Activity of Reduced Bis(aldimino)pyridine Iron Compounds: Experimental Evidence for Ligand Participation. Inorganic Chemistry, 2011, 50, 3159-3169.	1.9	69
98	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.	6.6	69
99	Electronic Effects in 4-Substituted Bis(imino)pyridines and the Corresponding Reduced Iron Compounds. Organometallics, 2012, 31, 2275-2285.	1.1	68
100	Air-Stable η^2 -Diimine Nickel Precatalysts for the Hydrogenation of Hindered, Unactivated Alkenes. ACS Catalysis, 2018, 8, 342-348.	5.5	68
101	Bis(imino)pyridine Ligand Deprotonation Promoted by a Transient Iron Amide. Inorganic Chemistry, 2006, 45, 2-4.	1.9	67
102	Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations. Angewandte Chemie - International Edition, 2011, 50, 8143-8147.	7.2	67
103	Ammonia Synthesis by Hydrogenolysis of Titanium–Nitrogen Bonds Using Proton Coupled Electron Transfer. Journal of the American Chemical Society, 2015, 137, 3498-3501.	6.6	65
104	Hydrogenation of <i>N</i> -Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. Journal of the American Chemical Society, 2019, 141, 17900-17908.	6.6	65
105	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie - International Edition, 2019, 58, 9194-9198.	7.2	65
106	Reversible Carbon–Carbon Bond Formation Induced by Oxidation and Reduction at a Redox-Active Cobalt Complex. Inorganic Chemistry, 2013, 52, 5403-5417.	1.9	64
107	N–N Bond Cleavage in Diazoalkanes by a Bis(imino)pyridine Iron Complex. Journal of the American Chemical Society, 2009, 131, 36-37.	6.6	60
108	Synthesis and Hydrogenation Activity of Iron Dialkyl Complexes with Chiral Bidentate Phosphines. Organometallics, 2014, 33, 5781-5790.	1.1	59

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109	Site-Selective Nickel-Catalyzed Hydrogen Isotope Exchange in <i>N</i> -Heterocycles and Its Application to the Tritiation of Pharmaceuticals. <i>ACS Catalysis</i> , 2018, 8, 10210-10218.	5.5	58
110	Regio- and Diastereoselective Iron-Catalyzed [4+4]-Cycloaddition of 1,3-Dienes. <i>Journal of the American Chemical Society</i> , 2019, 141, 8557-8573.	6.6	58
111	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 535-545.	1.0	57
112	Synthesis and Ligand Modification Chemistry of a Molybdenum Dinitrogen Complex: Redox and Chemical Activity of a Bis(imino)pyridine Ligand. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14211-14215.	7.2	57
113	Functionalization of Hafnium Oxamidate Complexes Prepared from CO-Induced N_2 Cleavage. <i>Journal of the American Chemical Society</i> , 2010, 132, 15340-15350.	6.6	55
114	A Boron Activating Effect Enables Cobalt-Catalyzed Asymmetric Hydrogenation of Sterically Hindered Alkenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 3923-3930.	6.6	55
115	Studies into the Mechanism of CO-Induced N_2 Cleavage Promoted by an <i>ansa</i> -Hafnocene Complex and C-C Bond Formation from an Observed Intermediate. <i>Journal of the American Chemical Society</i> , 2012, 134, 3377-3386.	6.6	54
116	Mechanistic Studies of Cobalt-Catalyzed $C(sp^2)-H$ Borylation of Five-Membered Heteroarenes with Pinacolborane. <i>ACS Catalysis</i> , 2017, 7, 4366-4371.	5.5	51
117	Iron-catalysed synthesis and chemical recycling of telechelic 1,3-enchaind oligocyclobutanes. <i>Nature Chemistry</i> , 2021, 13, 156-162.	6.6	51
118	Mono(dinitrogen) and Carbon Monoxide Adducts of Bis(cyclopentadienyl) Titanium Sandwiches. <i>Journal of the American Chemical Society</i> , 2006, 128, 6018-6019.	6.6	50
119	Structure and Reactivity of a Hafnocene η^4 -Nitrido Prepared From Dinitrogen Cleavage. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5213-5216.	7.2	50
120	Terpyridine Molybdenum Dinitrogen Chemistry: Synthesis of Dinitrogen Complexes That Vary by Five Oxidation States. <i>Inorganic Chemistry</i> , 2016, 55, 3117-3127.	1.9	49
121	$N-H$ Bond Cleavage of 1,2-Diarylhydrazines and $N-H$ Bond Formation via H-Atom Transfer in Vanadium Complexes Supported by a Redox-Active Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 12099-12107.	6.6	46
122	Electronic Structure Determination of Pyridine <i>N</i> -Heterocyclic Carbene Iron Dinitrogen Complexes and Neutral Ligand Derivatives. <i>Organometallics</i> , 2014, 33, 5423-5433.	1.1	45
123	Side-on Dinitrogen Complexes of Titanocenes with Disubstituted Cyclopentadienyl Ligands: Synthesis, Structure, and Spectroscopic Characterization. <i>Organometallics</i> , 2012, 31, 3672-3682.	1.1	44
124	Cobalt-Catalyzed Borylation of Fluorinated Arenes: Thermodynamic Control of $C(sp^2)-H$ Oxidative Addition Results in <i>ortho</i> -to-Fluorine Selectivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 15378-15389.	6.6	44
125	Ketone Synthesis from Benzylboronates and Esters: Leveraging β -Boryl Carbanions for Carbon-Carbon Bond Formation. <i>Journal of the American Chemical Society</i> , 2020, 142, 2429-2437.	6.6	44
126	Synthesis and Characterization of Zirconium and Iron Complexes Containing Substituted Indenyl Ligands: Evaluation of Steric and Electronic Parameters. <i>Organometallics</i> , 2004, 23, 5332-5346.	1.1	43

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127	Nâ€‘H Bond Formation in a Manganese(V) Nitride Yields Ammonia by Light-Driven Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 4795-4799.	6.6	43
128	An Editorial About Elemental Analysis. <i>Organometallics</i> , 2016, 35, 3255-3256.	1.1	40
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277	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Medicinal Chemistry Letters, 2020, 11, 1060-1061.	1.3	0
278	Editorial Confronting Racism in Chemistry Journals. , 2020, 2, 829-831.		0
279	Actions at <i>J. Org. Chem.</i>, <i>Org. Lett.</i> and <i>Organometallics</i> to Combat Discrimination and Bias. Organometallics, 2020, 39, 2929-2930.	1.1	0
280	Actions at <i>J. Org. Chem.</i>, <i>Org. Lett.</i>, and <i>Organometallics</i> to Combat Discrimination and Bias. Organic Letters, 2020, 22, 6221-6222.	2.4	0
281	Confronting Racism in Chemistry Journals. ACS Applied Energy Materials, 2020, 3, 6016-6018.	2.5	0
282	Confronting Racism in Chemistry Journals. Industrial & Engineering Chemistry Research, 2020, 59, 11915-11917.	1.8	0
283	Confronting Racism in Chemistry Journals. Journal of Natural Products, 2020, 83, 2057-2059.	1.5	0
284	Confronting Racism in Chemistry Journals. ACS Medicinal Chemistry Letters, 2020, 11, 1354-1356.	1.3	0
285	Confronting Racism in Chemistry Journals. Energy & Fuels, 2020, 34, 7771-7773.	2.5	0
286	Confronting Racism in Chemistry Journals. ACS Sensors, 2020, 5, 1858-1860.	4.0	0
287	Dietmar Seyferth (1929â€“2020): A Foundational and Enduring Legacy at <i>Organometallics</i>. Organometallics, 2020, 39, 3061-3063.	1.1	0
288	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Biochemistry, 2020, 59, 1641-1642.	1.2	0

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289	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical & Engineering Data, 2020, 65, 2253-2254.	1.0	0
290	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organic Process Research and Development, 2020, 24, 872-873.	1.3	0
291	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Omega, 2020, 5, 9624-9625.	1.6	0
292	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Electronic Materials, 2020, 2, 1184-1185.	2.0	0
293	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry C, 2020, 124, 9629-9630.	1.5	0
294	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry Letters, 2020, 11, 3571-3572.	2.1	0
295	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Synthetic Biology, 2020, 9, 979-980.	1.9	0
296	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Energy Materials, 2020, 3, 4091-4092.	2.5	0
297	Confronting Racism in Chemistry Journals. Journal of Chemical Theory and Computation, 2020, 16, 4003-4005.	2.3	0
298	Confronting Racism in Chemistry Journals. Journal of Organic Chemistry, 2020, 85, 8297-8299.	1.7	0
299	Confronting Racism in Chemistry Journals. Analytical Chemistry, 2020, 92, 8625-8627.	3.2	0
300	Confronting Racism in Chemistry Journals. Journal of Chemical Education, 2020, 97, 1695-1697.	1.1	0
301	Confronting Racism in Chemistry Journals. Organic Process Research and Development, 2020, 24, 1215-1217.	1.3	0
302	Confronting Racism in Chemistry Journals. ACS Sustainable Chemistry and Engineering, 2020, 8, .	3.2	0
303	Confronting Racism in Chemistry Journals. Chemistry of Materials, 2020, 32, 5369-5371.	3.2	0
304	Confronting Racism in Chemistry Journals. Chemical Research in Toxicology, 2020, 33, 1511-1513.	1.7	0
305	Confronting Racism in Chemistry Journals. Inorganic Chemistry, 2020, 59, 8639-8641.	1.9	0
306	Confronting Racism in Chemistry Journals. ACS Applied Nano Materials, 2020, 3, 6131-6133.	2.4	0

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308	Confronting Racism in Chemistry Journals. ACS Chemical Biology, 2020, 15, 1719-1721.	1.6	0
309	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Theory and Computation, 2020, 16, 2881-2882.	2.3	0
310	Confronting Racism in Chemistry Journals. Biomacromolecules, 2020, 21, 2543-2545.	2.6	0
311	Confronting Racism in Chemistry Journals. Journal of Medicinal Chemistry, 2020, 63, 6575-6577.	2.9	0
312	Confronting Racism in Chemistry Journals. Macromolecules, 2020, 53, 5015-5017.	2.2	0
313	Confronting Racism in Chemistry Journals. Organometallics, 2020, 39, 2331-2333.	1.1	0
314	Pioneers and Influencers in Organometallic Chemistry: A Profile of Professor Jay Kochi. Organometallics, 2020, 39, 775-777.	1.1	0
315	Confronting Racism in Chemistry Journals. Accounts of Chemical Research, 2020, 53, 1257-1259.	7.6	0
316	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry A, 2020, 124, 5271-5273.	1.1	0
317	Confronting Racism in Chemistry Journals. ACS Energy Letters, 2020, 5, 2291-2293.	8.8	0
318	Confronting Racism in Chemistry Journals. Journal of Chemical Information and Modeling, 2020, 60, 3325-3327.	2.5	0
319	Confronting Racism in Chemistry Journals. Journal of Proteome Research, 2020, 19, 2911-2913.	1.8	0
320	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Agricultural and Food Chemistry, 2020, 68, 5019-5020.	2.4	0
321	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry B, 2020, 124, 3603-3604.	1.2	0
322	Confronting Racism in Chemistry Journals. Bioconjugate Chemistry, 2020, 31, 1693-1695.	1.8	0
323	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Nano Materials, 2020, 3, 3960-3961.	2.4	0
324	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Natural Products, 2020, 83, 1357-1358.	1.5	0

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325	Confronting Racism in Chemistry Journals. ACS Synthetic Biology, 2020, 9, 1487-1489.	1.9	0
326	Confronting Racism in Chemistry Journals. Journal of Chemical & Engineering Data, 2020, 65, 3403-3405.	1.0	0
327	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Bioconjugate Chemistry, 2020, 31, 1211-1212.	1.8	0
328	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Health and Safety, 2020, 27, 133-134.	1.1	0
329	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemical Research in Toxicology, 2020, 33, 1509-1510.	1.7	0
330	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Energy & Fuels, 2020, 34, 5107-5108.	2.5	0
331	From Russia, With Chemistry. Organic Letters, 2020, 22, 765-767.	2.4	0
332	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Bio Materials, 2020, 3, 2873-2874.	2.3	0
333	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Organic Chemistry, 2020, 85, 5751-5752.	1.7	0
334	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of the American Society for Mass Spectrometry, 2020, 31, 1006-1007.	1.2	0
335	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobaltâ€™Catalyzed Hydroformylation. Angewandte Chemie, 2020, 132, 8997-9001.	1.6	0
336	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Accounts of Chemical Research, 2020, 53, 1001-1002.	7.6	0
337	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Biomacromolecules, 2020, 21, 1966-1967.	2.6	0
338	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemical Reviews, 2020, 120, 3939-3940.	23.0	0
339	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Environmental Science & Technology, 2020, 54, 5307-5308.	4.6	0
340	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Langmuir, 2020, 36, 4565-4566.	1.6	0
341	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Molecular Pharmaceutics, 2020, 17, 1445-1446.	2.3	0
342	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Infectious Diseases, 2020, 6, 891-892.	1.8	0

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343	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Medicinal Chemistry, 2020, 63, 4409-4410.	2.9	0
344	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry A, 2020, 124, 3501-3502.	1.1	0
345	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Nano Letters, 2020, 20, 2935-2936.	4.5	0
346	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Sensors, 2020, 5, 1251-1252.	4.0	0
347	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Information and Modeling, 2020, 60, 2651-2652.	2.5	0
348	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Industrial & Engineering Chemistry Research, 2020, 59, 8509-8510.	1.8	0
349	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Inorganic Chemistry, 2020, 59, 5796-5797.	1.9	0
350	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organometallics, 2020, 39, 1665-1666.	1.1	0
351	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organic Letters, 2020, 22, 3307-3308.	2.4	0
352	Confronting Racism in Chemistry Journals. ACS ES&T Engineering, 2021, 1, 3-5.	3.7	0
353	Confronting Racism in Chemistry Journals. ACS ES&T Water, 2021, 1, 3-5.	2.3	0
354	Looking Forward to 2021: The Fabulous Forties!. Organometallics, 2021, 40, 95-97.	1.1	0
355	Pioneers and Influencers: A Profile of Dr. Kenrick Lewis. Organometallics, 2021, 40, 459-462.	1.1	0
356	Confronting Racism in Chemistry Journals. ACS Applied Electronic Materials, 2020, 2, 1774-1776.	2.0	0
357	Confronting Racism in Chemistry Journals. Journal of Agricultural and Food Chemistry, 2020, 68, 6941-6943.	2.4	0
358	Confronting Racism in Chemistry Journals. ACS Earth and Space Chemistry, 2020, 4, 961-963.	1.2	0
359	Confronting Racism in Chemistry Journals. Environmental Science and Technology Letters, 2020, 7, 447-449.	3.9	0
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361	Confronting Racism in Chemistry Journals. ACS Infectious Diseases, 2020, 6, 1529-1531.	1.8	0
362	Confronting Racism in Chemistry Journals. ACS Applied Bio Materials, 2020, 3, 3925-3927.	2.3	0
363	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry C, 2020, 124, 14069-14071.	1.5	0
364	Confronting Racism in Chemistry Journals. ACS Macro Letters, 2020, 9, 1004-1006.	2.3	0
365	Confronting Racism in Chemistry Journals. ACS Photonics, 2020, 7, 1586-1588.	3.2	0
366	Confronting Racism in Chemistry Journals. Environmental Science & Technology, 2020, 54, 7735-7737.	4.6	0
367	Confronting Racism in Chemistry Journals. Journal of Chemical Health and Safety, 2020, 27, 198-200.	1.1	0
368	From Russia, With Chemistry. Journal of Organic Chemistry, 2020, 85, 1325-1327.	1.7	0
369	Making 2022 Picture Perfect. Organometallics, 0, , .	1.1	0
370	40 Years of <i>Organometallics</i> . Organometallics, 2021, 40, 4035-4040.	1.1	0
371	Pioneers and Influencers in Organometallic Chemistry: A Profile of Dr. Barbara Burger. Organometallics, 2022, 41, 1587-1589.	1.1	0