

Paul J Chirik

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

235
papers

17,128
citations

74
h-index

126
g-index

384
ext. papers

19,241
ext. citations

9.8
avg, IF

7.55
L-index

#	Paper	IF	Citations
235	Cobalt-Catalyzed C(sp ²)-C(sp ³) Suzuki-Miyaura Cross-Coupling Enabled by Well-Defined Precatalysts with L,X-Type Ligands. <i>ACS Catalysis</i> , 2022 , 12, 1905-1918	13.1	4
234	Visible-Light-Driven, Iridium-Catalyzed Hydrogen Atom Transfer: Mechanistic Studies, Identification of Intermediates, and Catalyst Improvements.. <i>Jacs Au</i> , 2022 , 2, 407-418		3
233	Effect of Pincer Methylation on the Selectivity and Activity in (PNP)Cobalt-Catalyzed C(sp)-H Borylation.. <i>Organometallics</i> , 2021 , 40, 3766-3774	3.8	0
232	Catalyst Design Principles Enabling Intermolecular Alkene-Diene [2+2] Cycloaddition and Depolymerization Reactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17793-17805	16.4	2
231	Oxidative Addition of Aryl and Alkyl Halides to a Reduced Iron Pincer Complex. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5928-5936	16.4	5
230	Synthesis and Asymmetric Alkene Hydrogenation Activity of C ₂ -Symmetric Enantioenriched Pyridine Dicarbene Iron Dialkyl Complexes. <i>Organometallics</i> , 2021 , 40, 1053-1061	3.8	1
229	Synthesis, Electronic Structure, and Reactivity of a Planar Four-Coordinate, Cobalt-Imido Complex. <i>Angewandte Chemie</i> , 2021 , 133, 14497-14501	3.6	1
228	Synthesis, Electronic Structure, and Reactivity of a Planar Four-Coordinate, Cobalt-Imido Complex. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14376-14380	16.4	9
227	Green Chemistry: A Framework for a Sustainable Future. <i>Organometallics</i> , 2021 , 40, 1801-1805	3.8	2
226	Green Chemistry: A Framework for a Sustainable Future. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 487-491	11	2
225	Green Chemistry: A Framework for a Sustainable Future. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8964-8968	3.9	
224	Cobalt-Catalyzed C(sp)-C(sp) Suzuki-Miyaura Cross Coupling. <i>Organic Letters</i> , 2021 , 23, 625-630	6.2	11
223	Looking Forward to 2021: The Fabulous Forties!. <i>Organometallics</i> , 2021 , 40, 95-97	3.8	
222	Iron-Catalyzed Vinylsilane Dimerization and Cross-Cycloadditions with 1,3-Dienes: Probing the Origins of Chemo- and Regioselectivity. <i>ACS Catalysis</i> , 2021 , 11, 1368-1379	13.1	3
221	Visible-Light-Enhanced Cobalt-Catalyzed Hydrogenation: Switchable Catalysis Enabled by Divergence between Thermal and Photochemical Pathways. <i>ACS Catalysis</i> , 2021 , 11, 1351-1360	13.1	15
220	Ligand Substitution and Electronic Structure Studies of Bis(phosphine)Cobalt Cyclooctadiene Precatalysts for Alkene Hydrogenation. <i>Canadian Journal of Chemistry</i> , 2021 , 99, 193-201	0.9	2
219	Pioneers and Influencers: A Profile of Dr. Kenrick Lewis. <i>Organometallics</i> , 2021 , 40, 459-462	3.8	

218	A Tutorial on Selectivity Determination in C(sp)-H Oxidative Addition of Arenes by Transition Metal Complexes. <i>Organometallics</i> , 2021 , 40, 813-831	3.8	7
217	Visible light enables catalytic formation of weak chemical bonds with molecular hydrogen. <i>Nature Chemistry</i> , 2021 , 13, 969-976	17.6	9
216	Mechanistic Origins of Regioselectivity in Cobalt-Catalyzed C(sp)-H Borylation of Benzoate Esters and Arylboronate Esters. <i>CheM</i> , 2021 , 7, 237-254	16.2	6
215	Iron-catalysed synthesis and chemical recycling of telechelic 1,3-enchaind oligocyclobutanes. <i>Nature Chemistry</i> , 2021 , 13, 156-162	17.6	14
214	40 Years of Organometallics. <i>Organometallics</i> , 2021 , 40, 4035-4040	3.8	
213	Beyond Ammonia: Nitrogen-Element Bond Forming Reactions with Coordinated Dinitrogen. <i>Chemical Reviews</i> , 2020 , 120, 5637-5681	68.1	57
212	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
211	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
210	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
209	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobalt-Catalyzed Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8912-8916	16.4	10
208	Pioneers and Influencers in Organometallic Chemistry: A Profile of Professor Jay Kochi. <i>Organometallics</i> , 2020 , 39, 775-777	3.8	
207	C(sp)-H Borylation of Heterocycles by Well-Defined Bis(silylene)pyridine Cobalt(III) Precatalysts: Pincer Modification, C(sp)-H Activation and Catalytically Relevant Intermediates. <i>Organometallics</i> , 2020 , 39, 2763-2773	3.8	11
206	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	
205	Cobalt-Catalyzed Asymmetric Hydrogenation of β -Unsaturated Carboxylic Acids by Homolytic H Cleavage. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5272-5281	16.4	45
204	Investigations into the Mechanism of Inter- and Intramolecular Iron-Catalyzed [2 + 2] Cycloaddition of Alkenes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5314-5330	16.4	21
203	2020 Vision: A Year for Pioneers and Influencers of Organometallic Chemistry. <i>Organometallics</i> , 2020 , 39, 1-2	3.8	2
202	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	16.4	20
201	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	16.4	28

200	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobalt-Catalyzed Hydroformylation. <i>Angewandte Chemie</i> , 2020 , 132, 8997-9001	3.6	
199	Catalytic Hydrogenation of a Manganese(V) Nitride to Ammonia. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9518-9524	16.4	11
198	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , 2020 , 39, 1665-1666	1.6	
197	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
196	Direct Observation of Transmetalation from a Neutral Boronate Ester to a Pyridine(diimine) Iron Alkoxide. <i>Organometallics</i> , 2020 , 39, 201-205	3.8	6
195	Pyridine(diimine) Iron Diene Complexes Relevant to Catalytic [2+2]-Cycloaddition Reactions. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 404-416	5.6	5
194	Determination of the N-H Bond Dissociation Free Energy in a Pyridine(diimine)molybdenum Complex Prepared by Proton-Coupled Electron Transfer. <i>Inorganic Chemistry</i> , 2020 , 59, 15394-15401	5.1	4
193	C(sp ²) π Activation with Pyridine Dicarbene Iron Dialkyl Complexes: Hydrogen Isotope Exchange of Arenes Using Benzene-d ₆ as a Deuterium Source. <i>ACS Catalysis</i> , 2020 , 10, 8640-8647	13.1	18
192	Synthesis of Cationic, Dimeric π -Diimine Nickel Hydride Complexes and Relevance to the Polymerization of Olefins. <i>Organometallics</i> , 2020 , 39, 2630-2635	3.8	6
191	Coordination-Induced N π Bond Weakening in a Molybdenum Pyrrolidine Complex: Isotopic Labeling Provides Insight into the Pathway for H ₂ Evolution. <i>Organometallics</i> , 2020 , 39, 3050-3059	3.8	3
190	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , 2020 , 369,	33.3	124
189	Dietmar Seyferth (1929-2020): A Foundational and Enduring Legacy at Organometallics. <i>Organometallics</i> , 2020 , 39, 3061-3063	3.8	
188	Cobalt-Catalyzed Borylation of Fluorinated Arenes: Thermodynamic Control of C(sp ³)-H Oxidative Addition Results in γ -to-Fluorine Selectivity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15378-15389	16.4	26
187	[4+4]-Cycloaddition of Isoprene for the Production of High-Performance Bio-Based Jet Fuel. <i>Green Chemistry</i> , 2019 , 21, 5616-5623	10	17
186	Hydrogenation of α -Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17900-17908	16.4	33
185	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9194-9198	16.4	45
184	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. <i>Angewandte Chemie</i> , 2019 , 131, 9292-9296	3.6	23
183	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	16.4	65

182	Regio- and Diastereoselective Iron-Catalyzed [4+4]-Cycloaddition of 1,3-Dienes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8557-8573	16.4	40
181	Organometallics Global Enterprise. <i>Organometallics</i> , 2019 , 38, 1827-1827	3.8	
180	Evaluation of excited state bond weakening for ammonia synthesis from a manganese nitride: stepwise proton coupled electron transfer is preferred over hydrogen atom transfer. <i>Chemical Communications</i> , 2019 , 55, 5595-5598	5.8	11
179	Pyridine(diimine) Chelate Hydrogenation in a Molybdenum Nitrido Ethylene Complex. <i>Organometallics</i> , 2019 , 38, 1682-1687	3.8	10
178	N-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	16.4	29
177	Synthesis, Structure, and Hydrogenolysis of Pyridine Dicarbene Iron Dialkyl Complexes. <i>Organometallics</i> , 2019 , 38, 3159-3168	3.8	11
176	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerization/Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. <i>ACS Catalysis</i> , 2019 , 9, 9034-9044	13.1	22
175	Titelbild: Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(II) Diene and Arene Compounds (Angew. Chem. 27/2019). <i>Angewandte Chemie</i> , 2019 , 131, 9041-9041	3.6	0
174	Ni(II)-X Complexes Bearing a Bulky 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	16.4	63
173	Oxidative Addition of Dihydrogen, Boron Compounds, and Aryl Halides to a Cobalt(II) Cation Supported by a Strong-Field Pincer Ligand. <i>Organometallics</i> , 2019 , 38, 1081-1090	3.8	19
172	Organometallics in 2019: It is Elementary. <i>Organometallics</i> , 2019 , 38, 195-197	3.8	5
171	Exploring the Alcohol Stability of Bis(phosphine) Cobalt Dialkyl Precatalysts in Asymmetric Alkene Hydrogenation. <i>Organometallics</i> , 2019 , 38, 149-156	3.8	16
170	Dinitrogen Coupling to a Terpyridine-Molybdenum Chromophore Is Switched on by Fermi Resonance. <i>Chem</i> , 2019 , 5, 402-416	16.2	22
169	Exploring C(sp ³)–C(sp ³) reductive elimination from an isolable iron metallacycle. <i>Polyhedron</i> , 2019 , 159, 308-317	2.7	6
168	Expanding the Boundaries of Organometallic Chemistry. <i>Organometallics</i> , 2018 , 37, 835-836	3.8	5
167	Interconversion of Molybdenum Imido and Amido Complexes by Proton-Coupled Electron Transfer. <i>Angewandte Chemie</i> , 2018 , 130, 2246-2250	3.6	8
166	Synthesis and Electronic Structure Diversity of Pyridine(diimine)iron Tetrazene Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 9634-9643	5.1	16
165	Organometallics in 2018. <i>Organometallics</i> , 2018 , 37, 271-272	3.8	

164	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	16.4	52
163	Interconversion of Molybdenum Imido and Amido Complexes by Proton-Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2224-2228	16.4	36
162	Ultrafast Photophysics of a Dinitrogen-Bridged Molybdenum Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6298-6307	16.4	11
161	Cobalt-catalysed alkene hydrogenation: a metallacycle can explain the hydroxyl activating effect and the diastereoselectivity. <i>Chemical Science</i> , 2018 , 9, 4977-4982	9.4	23
160	Earth-Abundant Transition Metal Catalysts for Alkene Hydrosilylation and Hydroboration: Opportunities and Assessments. <i>Nature Reviews Chemistry</i> , 2018 , 2, 15-34	34.6	365
159	Pyridine(diimine) Molybdenum-Catalyzed Hydrogenation of Arenes and Hindered Olefins: Insights into Precatalyst Activation and Deactivation Pathways. <i>ACS Catalysis</i> , 2018 , 8, 5276-5285	13.1	21
158	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry □ <i>Organic Letters</i> , 2018 , 20, 5075-5081	6.2	
157	Dos and Don'ts: Thoughts on How To Respond to Reviewer Comments. <i>Organometallics</i> , 2018 , 37, 2655-2655	3.5	4
156	Air-Stable Diimine Nickel Precatalysts for the Hydrogenation of Hindered, Unactivated Alkenes. <i>ACS Catalysis</i> , 2018 , 8, 342-348	13.1	52
155	Proton-Coupled Electron Transfer to a Molybdenum Ethylene Complex Yields a η^2 -Agostic Ethyl: Structure, Dynamics and Mechanism. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13817-13826	16.4	15
154	Site-Selective Nickel-Catalyzed Hydrogen Isotope Exchange in N-Heterocycles and Its Application to the Tritiation of Pharmaceuticals. <i>ACS Catalysis</i> , 2018 , 8, 10210-10218	13.1	40
153	Cobalt Pincer Complexes in Catalytic C-H Borylation: The Pincer Ligand Flips Rather Than Dearomatizes. <i>ACS Catalysis</i> , 2018 , 8, 10606-10618	13.1	26
152	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry □ <i>Journal of Organic Chemistry</i> , 2018 , 83, 9573-9579	4.2	
151	Iron-Mediated Coupling of Carbon Dioxide and Ethylene: Macrocyclic Metallalactones Enable Access to Various Carboxylates. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11589-11593	16.4	21
150	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry □ <i>Inorganic Chemistry</i> , 2018 , 57, 11299-11305	5.1	1
149	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. <i>Organometallics</i> , 2018 , 37, 2825-2831	3.8	1
148	Cobalt-catalyzed asymmetric hydrogenation of enamides enabled by single-electron reduction. <i>Science</i> , 2018 , 360, 888-893	33.3	155
147	Synthesis and Reactivity of Reduced Diimine Nickel Complexes Relevant to Acrylic Acid Synthesis. <i>Organometallics</i> , 2018 , 37, 3389-3393	3.8	20

146	Organometallics in 2017: A Global Endeavor. <i>Organometallics</i> , 2017 , 36, 1-4	3.8	2
145	C(sp)-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	16.4	78
144	Benzyltriboronates: Building Blocks for Diastereoselective Carbon-Carbon Bond Formation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2589-2592	16.4	76
143	Kohlenstoff-Kohlenstoff-Bindungsbildung in einem schwachen Ligandenfeld: Nutzung von Open-Shell-Übergangsmetallkatalysatoren der ersten Übergangsperiode. <i>Angewandte Chemie</i> , 2017 , 129, 5252-5265	3.6	22
142	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	16.4	93
141	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	16.4	100
140	Ammonia Activation, H 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	16.4	61
139	Mechanistic Studies of Cobalt-Catalyzed C(sp)-H Borylation of Five-Membered Heteroarenes with Pinacolborane. <i>ACS Catalysis</i> , 2017 , 7, 4366-4371	13.1	41
138	Determining and Understanding N-H Bond Strengths in Synthetic Nitrogen Fixation Cycles. <i>Topics in Organometallic Chemistry</i> , 2017 , 1-21	0.6	23
137	Introduction to the Virtual Issue Honoring Robert Bergman's 2017 Wolf Prize in Chemistry. <i>Organometallics</i> , 2017 , 36, 957-959	3.8	
136	Synthesis and Reactivity of Pyridine(diimine) Molybdenum Olefin Complexes: Ethylene Dimerization and Alkene Dehydrogenation. <i>Organometallics</i> , 2017 , 36, 4215-4223	3.8	14
135	Insights into Activation of Cobalt Pre-Catalysts for C-H Functionalization. <i>Israel Journal of Chemistry</i> , 2017 , 57, 1032-1036	3.4	12
134	Cobalt-Catalyzed Stereoretentive Hydrogen Isotope Exchange of C(sp)-H Bonds. <i>ACS Catalysis</i> , 2017 , 7, 5674-5678	13.1	66
133	Communicating Science. <i>Organometallics</i> , 2017 , 36, 4339-4340	3.8	
132	Synthesis of Iron Hydride Complexes Relevant to Hydrogen Isotope Exchange in Pharmaceuticals. <i>Organometallics</i> , 2017 , 36, 4341-4343	3.8	30
131	Cobalt-Catalyzed C(sp ²)-H Borylation with an Air-Stable, Readily Prepared Terpyridine Cobalt(II) Bis(acetate) Precatalyst. <i>Organometallics</i> , 2017 , 36, 142-150	3.8	61
130	Cobalt-Catalyzed C(sp ²)-H Borylation: Mechanistic Insights Inspire Catalyst Design. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10645-53	16.4	81
129	Catalytic Proton Coupled Electron Transfer from Metal Hydrides to Titanocene Amides, Hydrazides and Imides: Determination of Thermodynamic Parameters Relevant to Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13379-13389	16.4	54

128	Coordination-induced weakening of ammonia, water, and hydrazine X-H bonds in a molybdenum complex. <i>Science</i> , 2016 , 354, 730-733	33.3	116
127	Iron-catalysed tritiation of pharmaceuticals. <i>Nature</i> , 2016 , 529, 195-9	50.4	244
126	Bench-Stable, Substrate-Activated Cobalt Carboxylate Pre-Catalysts for Alkene Hydrosilylation with Tertiary Silanes. <i>ACS Catalysis</i> , 2016 , 6, 2632-2636	13.1	115
125	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of α -Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3562-9	16.4	124
124	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, 3314-24	16.4	139
123	Terpyridine Molybdenum Dinitrogen Chemistry: Synthesis of Dinitrogen Complexes That Vary by Five Oxidation States. <i>Inorganic Chemistry</i> , 2016 , 55, 3117-27	5.1	45
122	Cobalt-Catalyzed Benzylic Borylation: Enabling Polyborylation and Functionalization of Remote, Unactivated C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2016 , 138, 766-9	16.4	142
121	Cationic Pyridine(diimine) Iron Tethered Alkene Complexes: Synthetic Models For Elusive Intermediates In Iron-Catalyzed Ethylene Polymerization. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2016 , 67, 19-29	0.3	4
120	Grenzen erweitern: Spaltung und Funktionalisierung von N ₂ jenseits von frühen Bergangsmetallen. <i>Angewandte Chemie</i> , 2016 , 128, 8022-8026	3.6	14
119	Expanding Boundaries: N ₂ Cleavage and Functionalization beyond Early Transition Metals. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7892-6	16.4	59
118	Thermodynamics of N-H bond formation in bis(phosphine) molybdenum(ii) diazenides and the influence of the trans ligand. <i>Dalton Transactions</i> , 2016 , 45, 15922-15930	4.3	14
117	Insight into Transmetalation Enables Cobalt-Catalyzed Suzuki-Miyaura Cross Coupling. <i>ACS Central Science</i> , 2016 , 2, 935-942	16.8	56
116	Alkene Hydrosilylation Using Tertiary Silanes with β -Diimine Nickel Catalysts. Redox-Active Ligands Promote a Distinct Mechanistic Pathway from Platinum Catalysts. <i>ACS Catalysis</i> , 2016 , 6, 4105-4109	13.1	140
115	An Editorial About Elemental Analysis. <i>Organometallics</i> , 2016 , 35, 3255-3256	3.8	28
114	Ammonia synthesis by hydrogenolysis of titanium-nitrogen bonds using proton coupled electron transfer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3498-501	16.4	55
113	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, 5855-8	16.4	186
112	ORGANIC CHEMISTRY. Iron-catalyzed intermolecular [2+2] cycloadditions of unactivated alkenes. <i>Science</i> , 2015 , 349, 960-3	33.3	143
111	Synthesis and Electronic Structure of Iron Borate Betaine Complexes as a Route to Single-Component Iron Ethylene Oligomerization and Polymerization Catalysts. <i>Organometallics</i> , 2015 , 34, 5615-5623	3.8	18

110	High-Activity Cobalt Catalysts for Alkene Hydroboration with Electronically Responsive Terpyridine and β -Diimine Ligands. <i>ACS Catalysis</i> , 2015 , 5, 622-626	13.1	127
109	Iron- and Cobalt-Catalyzed Alkene Hydrogenation: Catalysis with Both Redox-Active and Strong Field Ligands. <i>Accounts of Chemical Research</i> , 2015 , 48, 1687-95	24.3	489
108	Evaluation of Cobalt Complexes Bearing Tridentate Pincer Ligands for Catalytic C-H Borylation. <i>Organometallics</i> , 2015 , 34, 1307-1320	3.8	68
107	Cobalt-Catalyzed $[2+2]$ 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	16.4	68
106	Alkene isomerization-hydroboration promoted by phosphine-ligated cobalt catalysts. <i>Organic Letters</i> , 2015 , 17, 2716-9	6.2	152
105	A Career in Catalysis: John E. Bercaw. <i>ACS Catalysis</i> , 2015 , 5, 1747-1757	13.1	7
104	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	9.4	67
103	Electronic Structures of Reduced Manganese, Iron, and Cobalt Complexes Bearing Redox-Active Bis(imino)pyridine Pincer Ligands 2014 , 189-212		11
102	Bis(β -Pentamethylcyclopentadienyl) Complexes of Titanium, Zirconium, and Hafnium. <i>Inorganic Syntheses</i> , 2014 , 47-51		
101	Cobalt-catalyzed C-H borylation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4133-6	16.4	227
100	Oxidative addition and C-H activation chemistry with a PNP pincer-ligated cobalt complex. <i>Chemical Science</i> , 2014 , 5, 1956-1960	9.4	62
99	Bis(phosphine)cobalt dialkyl complexes for directed catalytic alkene hydrogenation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13178-81	16.4	103
98	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, 12108-18	16.4	164
97	N-N 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, 12099-107	16.4	44
96	Electronic Structure Determination of Pyridine N-Heterocyclic Carbene Iron Dinitrogen Complexes and Neutral Ligand Derivatives. <i>Organometallics</i> , 2014 , 33, 5423-5433	3.8	42
95	Carbon dioxide hydrosilylation promoted by cobalt pincer complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 9463-5	3.5	103
94	Synthesis and Hydrogenation Activity of Iron Dialkyl Complexes with Chiral Bidentate Phosphines. <i>Organometallics</i> , 2014 , 33, 5781-5790	3.8	51
93	N-H and N-H Bond Formation with an N ₂ -Derived Dihafnium π -Nitrido Complex. <i>Organometallics</i> , 2014 , 33, 3727-3737	3.8	13

92	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, 9211-24	16.4	132
91	Synthesis and Ligand Modification Chemistry of a Molybdenum Dinitrogen Complex: Redox and Chemical Activity of a Bis(imino)pyridine Ligand. <i>Angewandte Chemie</i> , 2014 , 126, 14435-14439	3.6	10
90	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, 14211-14	16.4	51
89	Synthesis of a base-free hafnium nitride from N ₂ cleavage: a versatile platform for dinitrogen functionalization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11373-83	16.4	57
88	Cobalt precursors for high-throughput discovery of base metal asymmetric alkene hydrogenation catalysts. <i>Science</i> , 2013 , 342, 1076-80	33.3	285
87	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, 19107-10	16.4	270
86	Dinitrogen Borylation with Group 4 Metallocene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3907-3915	2.3	16
85	Oxidation and reduction of bis(imino)pyridine iron dinitrogen complexes: evidence for formation of a chelate trianion. <i>Inorganic Chemistry</i> , 2013 , 52, 635-46	5.1	67
84	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, 4862-77	16.4	108
83	Reversible carbon-carbon bond formation induced by oxidation and reduction at a redox-active cobalt complex. <i>Inorganic Chemistry</i> , 2013 , 52, 5403-17	5.1	58
82	Highly selective bis(imino)pyridine iron-catalyzed alkene hydroboration. <i>Organic Letters</i> , 2013 , 15, 2680-3	3.2	164
81	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, 13168-84	16.4	166
80	Redox-Induced N ₂ Hapticity Switching in Zirconocene Dinitrogen Complexes. <i>Angewandte Chemie</i> , 2013 , 125, 5480-5484	3.6	5
79	Activation of Dinitrogen-Derived Hafnium Nitrides for Nucleophilic N ₂ C Bond Formation with a Terminal Isocyanate. <i>Angewandte Chemie</i> , 2013 , 125, 13203-13207	3.6	11
78	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 535-545	2.3	53
77	Di- and Tetrametallic Hafnocene Oxamidides Prepared from CO-Induced N ₂ Bond Cleavage and Thermal Rearrangement to Hafnocene Cyanide Derivatives. <i>Organometallics</i> , 2012 , 31, 6278-6287	3.8	23
76	High-Selectivity Bis(imino)pyridine Iron Catalysts for the Hydrosilylation of 1,2,4-Trivinylcyclohexane. <i>ACS Catalysis</i> , 2012 , 2, 2169-2172	13.1	108
75	Studies into the mechanism of CO-induced N ₂ cleavage promoted by an ansa-hafnocene complex and C-C bond formation from an observed intermediate. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3377-86	16.4	42

74	Bis(imino)pyridine Iron Dinitrogen Compounds Revisited: Differences in Electronic Structure Between Four- and Five-Coordinate Derivatives. <i>Organometallics</i> , 2012 , 31, 2275-2285	3.8	62
73	High-Activity Iron Catalysts for the Hydrogenation of Hindered, Unfunctionalized Alkenes. <i>ACS Catalysis</i> , 2012 , 2, 1760-1764	13.1	186
72	Iron catalysts for selective anti-Markovnikov alkene hydrosilylation using tertiary silanes. <i>Science</i> , 2012 , 335, 567-70	33.3	419
71	Side-on Dinitrogen Complexes of Titanocenes with Disubstituted Cyclopentadienyl Ligands: Synthesis, Structure, and Spectroscopic Characterization. <i>Organometallics</i> , 2012 , 31, 3672-3682	3.8	36
70	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, 17125-37	16.4	121
69	Bis(imino)pyridine iron dinitrogen compounds revisited: differences in electronic structure between four- and five-coordinate derivatives. <i>Inorganic Chemistry</i> , 2012 , 51, 3770-85	5.1	107
68	Synthesis, Electronic Structure, and Alkene Hydrosilylation Activity of Terpyridine and Bis(imino)pyridine Iron Dialkyl Complexes. <i>Organometallics</i> , 2012 , 31, 4886-4893	3.8	129
67	Enantiopure C1-symmetric bis(imino)pyridine cobalt complexes for asymmetric alkene hydrogenation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4561-4	16.4	261
66	Azo N?N Bond Cleavage with a Redox-Active Vanadium Compound Involving Metal-Ligand Cooperativity. <i>Angewandte Chemie</i> , 2012 , 124, 5482-5486	3.6	11
65	Structure and Reactivity of a Hafnocene η Nitrido Prepared From Dinitrogen Cleavage. <i>Angewandte Chemie</i> , 2012 , 124, 5303-5306	3.6	18
64	Structure and reactivity of a hafnocene η nitrido prepared from dinitrogen cleavage. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5213-6	16.4	41
63	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, 17353-69	16.4	87
62	Preface: Forum on redox-active ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 9737-40	5.1	329
61	Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations. <i>Angewandte Chemie</i> , 2011 , 123, 8293-8297	3.6	11
60	Innentitelbild: Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations (Angew. Chem. 35/2011). <i>Angewandte Chemie</i> , 2011 , 123, 8104-8104	3.6	104
59	Synthesis, electronic structure, and ethylene polymerization activity of bis(imino)pyridine cobalt alkyl cations. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8143-7	16.4	60
58	Inside Cover: Synthesis, Electronic Structure, and Ethylene Polymerization Activity of Bis(imino)pyridine Cobalt Alkyl Cations (Angew. Chem. Int. Ed. 35/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7956-7956	16.4	
57	Synthesis, electronic structure, and catalytic activity of reduced bis(aldimino)pyridine iron compounds: experimental evidence for ligand participation. <i>Inorganic Chemistry</i> , 2011 , 50, 3159-69	5.1	66

56	Iron-catalyzed intermolecular [2+2] cycloaddition. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8858-61	16.4	127
55	Dinitrogen silylation and cleavage with a hafnocene complex. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10406-9	16.4	66
54	Dinitrogen cleavage and functionalization by carbon monoxide promoted by a hafnium complex. <i>Nature Chemistry</i> , 2010 , 2, 30-5	17.6	157
53	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, 1676-84	16.4	164
52	Synthesis of aryl-substituted bis(imino)pyridine iron dinitrogen complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 2782-92	5.1	112
51	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, 6110-23	5.1	86
50	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, 15046-59	16.4	140
49	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, 10553-64	16.4	73
48	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, 16343-5	16.4	101
47	Chemistry. Radical ligands confer nobility on base-metal catalysts. <i>Science</i> , 2010 , 327, 794-5	33.3	712
46	Functionalization of hafnium oxamidate complexes prepared from CO-induced N ₂ cleavage. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15340-50	16.4	47
45	Modern Alchemy: Replacing Precious Metals with Iron in Catalytic Alkene and Carbonyl Hydrogenation Reactions 2010 , 83-110		28
44	N-N bond cleavage in diazoalkanes by a bis(imino)pyridine iron complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 36-7	16.4	51
43	Bis(indenyl)hafnium Chemistry: Ligand-Induced Haptotropic Rearrangement and Fundamental Reactivity Studies at a Reduced Hafnium Center. <i>Organometallics</i> , 2009 , 28, 2471-2484	3.8	9
42	Addition of methyl triflate to a hafnocene dinitrogen complex: stepwise n(2) methylation and conversion to a hafnocene hydrazonato compound. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14903-12	16.4	29
41	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, 8772-4	16.4	229
40	Enantiopure Pyridine Bis(oxazoline) Pybox ¹ and Bis(oxazoline) Box ¹ Iron Dialkyl Complexes: Comparison to Bis(imino)pyridine Compounds and Application to Catalytic Hydrosilylation of Ketones. <i>Organometallics</i> , 2009 , 28, 3928-3940	3.8	183
39	Bis(imino)pyridine iron complexes for aldehyde and ketone hydrosilylation. <i>Organic Letters</i> , 2008 , 10, 2789-92	6.2	185

38	Functional Group Tolerance and Substrate Scope in Bis(imino)pyridine Iron Catalyzed Alkene Hydrogenation. <i>Organometallics</i> , 2008 , 27, 1470-1478	3.8	175
37	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	3.8	88
36	1,2-Addition versus π -Bond Metathesis Reactions in Transient Bis(cyclopentadienyl)zirconium Imides: Evidence for a d ⁰ Dihydrogen Complex. <i>Organometallics</i> , 2008 , 27, 872-879	3.8	22
35	Synthesis of Bis(imino)pyridine Iron Di- and Monoalkyl Complexes: Stability Differences between FeCH ₂ SiMe ₃ and FeCH ₂ CMe ₃ Derivatives. <i>Organometallics</i> , 2008 , 27, 109-118	3.8	80
34	Bis(imino)pyridine iron alkyls containing beta-hydrogens: synthesis, evaluation of kinetic stability, and decomposition pathways involving chelate participation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11631-40	16.4	72
33	Carboxylation of an ansa-zirconocene dinitrogen complex: regiospecific hydrazine synthesis from N ₂ and CO ₂ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 4248-9	16.4	55
32	Dinitrogen functionalization with bis(cyclopentadienyl) complexes of zirconium and hafnium. <i>Dalton Transactions</i> , 2007 , 16-25	4.3	126
31	Neutral-ligand complexes of bis(imino)pyridine iron: synthesis, structure, and spectroscopy. <i>Inorganic Chemistry</i> , 2007 , 46, 7055-63	5.1	109
30	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, 2858-61	16.4	79
29	N-H Group Transfer and Oxidative Addition Chemistry Promoted by Isolable Bis(cyclopentadienyl)titanium Sandwich Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2677-2685	2.3	27
28	Iron diazoalkane chemistry: N-N bond hydrogenation and intramolecular C-H activation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7212-3	16.4	88
27	An FeVI nitride: there is plenty of room at the top!. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6956-9	16.4	14
26	N ₂ Hydrogenation Promoted by a Side-On Bound Hafnocene Dinitrogen Complex. <i>Organometallics</i> , 2006 , 25, 1021-1027	3.8	76
25	Bis(imino)pyridine ligand deprotonation promoted by a transient iron amide. <i>Inorganic Chemistry</i> , 2006 , 45, 2-4	5.1	62
24	Iron-catalyzed [2p _i + 2p _i] cycloaddition of alpha,omega-dienes: the importance of redox-active supporting ligands. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13340-1	16.4	294
23	Carbon-Hydrogen Bond Activation with a Cyclometalated Zirconocene Hydride: Mechanistic Differences between Arene and Alkane Reductive Elimination. <i>Organometallics</i> , 2006 , 25, 1092-1100	3.8	17
22	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	3.8	179
21	Synthesis and hydrogenation of bis(imino)pyridine iron imides. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5302-3	16.4	189

20	Bis(diisopropylphosphino)pyridine iron dicarbonyl, dihydride, and silyl hydride complexes. <i>Inorganic Chemistry</i> , 2006 , 45, 7252-60	5.1	140
19	N-C bond formation promoted by a hafnocene dinitrogen complex: comparison of zirconium and hafnium congeners. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10696-7	16.4	71
18	Mono(dinitrogen) and carbon monoxide adducts of bis(cyclopentadienyl) titanium sandwiches. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6018-9	16.4	39
17	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, 13901-12	16.4	425
16	Square planar bis(imino)pyridine iron halide and alkyl complexes. <i>Chemical Communications</i> , 2005 , 3406-8	3.8	96
15	Low-Valent Diimine Iron Complexes for Catalytic Olefin Hydrogenation. <i>Organometallics</i> , 2005 , 24, 5518-5527	3.8	153
14	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, 14051-61	16.4	83
13	Square planar vs tetrahedral geometry in four coordinate iron(II) complexes. <i>Inorganic Chemistry</i> , 2005 , 44, 3103-11	5.1	101
12	Bis(imino)pyridine iron(II) alkyl cations for olefin polymerization. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9660-1	16.4	146
11	Hydrogenation and cleavage of dinitrogen to ammonia with a zirconium complex. <i>Nature</i> , 2004 , 427, 527-30	50.4	506
10	Synthesis, Reactivity, and Solid State Structures of Four-Coordinate Iron(II) and Manganese(II) Alkyl Complexes. <i>Organometallics</i> , 2004 , 23, 237-246	3.8	103
9	Dinitrogen activation by titanium sandwich complexes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14688-9	16.4	74
8	On the origin of dinitrogen hydrogenation promoted by [(eta ⁵ -C ₅ Me ₄ H)Zr] ₂ (mu ₂ , eta ² , eta ² -N ₂). <i>Journal of the American Chemical Society</i> , 2004 , 126, 14326-7	16.4	88
7	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	3.8	39
6	Preparation and molecular and electronic structures of iron(0) dinitrogen and silane complexes and their application to catalytic hydrogenation and hydrosilation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13794-807	16.4	707
5	Selective, catalytic carbon-carbon bond activation and functionalization promoted by late transition metal catalysts. <i>Journal of the American Chemical Society</i> , 2003 , 125, 886-7	16.4	128
4	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. <i>Organometallics</i> , 2003 , 22, 2797-2805	3.8	27
3	Functionalization of elemental phosphorus with [Zr(eta ⁵ -C ₅ Me ₅)(eta ⁵ -C ₅ H ₄ tBu)H ₂] ₂ . <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3463-5	16.4	28

2	Well-Defined Cationic Cobalt(I) Precatalyst for Olefin-Alkyne [2 + 2] Cycloaddition and Olefin-Diene Hydrovinylation Reactions: Experimental Evidence for Metallacycle Intermediates. <i>Organometallics</i> ,	3.8	3
1	Cationic Bis(phosphine) Cobalt(I) Arene Complexes as Precatalysts for the Asymmetric Synthesis of Sitagliptin. <i>ACS Catalysis</i> ,4680-4687	13.1	4