

# Paul J Chirik

## List of Publications by Citations

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126  
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384  
ext. papers

19,241  
ext. citations

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7.55  
L-index

#	Paper	IF	Citations
235	Chemistry. Radical ligands confer nobility on base-metal catalysts. <i>Science</i> , <b>2010</b> , 327, 794-5	33.3	712
234	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> , <b>2004</b> , 126, 13794-807	16.4	707
233	Hydrogenation and cleavage of dinitrogen to ammonia with a zirconium complex. <i>Nature</i> , <b>2004</b> , 427, 527-30	50.4	506
232	Iron- and Cobalt-Catalyzed Alkene Hydrogenation: Catalysis with Both Redox-Active and Strong Field Ligands. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1687-95	24.3	489
231	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> , <b>2006</b> , 128, 13901-12	16.4	425
230	Iron catalysts for selective anti-Markovnikov alkene hydrosilylation using tertiary silanes. <i>Science</i> , <b>2012</b> , 335, 567-70	33.3	419
229	Earth-Abundant Transition Metal Catalysts for Alkene Hydrosilylation and Hydroboration: Opportunities and Assessments. <i>Nature Reviews Chemistry</i> , <b>2018</b> , 2, 15-34	34.6	365
228	Preface: Forum on redox-active ligands. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9737-40	5.1	329
227	Iron-catalyzed [2pi + 2pi] cycloaddition of alpha,omega-dienes: the importance of redox-active supporting ligands. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13340-1	16.4	294
226	Cobalt precursors for high-throughput discovery of base metal asymmetric alkene hydrogenation catalysts. <i>Science</i> , <b>2013</b> , 342, 1076-80	33.3	285
225	Bis(imino)pyridine cobalt-catalyzed alkene isomerization-hydroboration: a strategy for remote hydrofunctionalization with terminal selectivity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 19107-10	16.4	270
224	Enantiopure C1-symmetric bis(imino)pyridine cobalt complexes for asymmetric alkene hydrogenation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4561-4	16.4	261
223	Iron-catalysed tritiation of pharmaceuticals. <i>Nature</i> , <b>2016</b> , 529, 195-9	50.4	244
222	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> , <b>2009</b> , 131, 8772-4	16.4	229
221	Cobalt-catalyzed C-H borylation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4133-6	16.4	227
220	Synthesis and hydrogenation of bis(imino)pyridine iron imides. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5302-3	16.4	189
219	Cobalt catalyzed z-selective hydroboration of terminal alkynes and elucidation of the origin of selectivity. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5855-8	16.4	186

218	High-Activity Iron Catalysts for the Hydrogenation of Hindered, Unfunctionalized Alkenes. <i>ACS Catalysis</i> , <b>2012</b> , 2, 1760-1764	13.1	186
217	Bis(imino)pyridine iron complexes for aldehyde and ketone hydrosilylation. <i>Organic Letters</i> , <b>2008</b> , 10, 2789-92	6.2	185
216	Enantiopure Pyridine Bis(oxazoline) <b>Pybox</b> and Bis(oxazoline) <b>Box</b> Iron Dialkyl Complexes: Comparison to Bis(imino)pyridine Compounds and Application to Catalytic Hydrosilylation of Ketones. <i>Organometallics</i> , <b>2009</b> , 28, 3928-3940	3.8	183
215	Arene Coordination in Bis(imino)pyridine Iron Complexes: Identification of Catalyst Deactivation Pathways in Iron-Catalyzed Hydrogenation and Hydrosilylation. <i>Organometallics</i> , <b>2006</b> , 25, 4269-4278	3.8	179
214	Functional Group Tolerance and Substrate Scope in Bis(imino)pyridine Iron Catalyzed Alkene Hydrogenation. <i>Organometallics</i> , <b>2008</b> , 27, 1470-1478	3.8	175
213	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> , <b>2013</b> , 135, 13168-84	16.4	166
212	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> , <b>2014</b> , 136, 12108-18	16.4	164
211	Highly selective bis(imino)pyridine iron-catalyzed alkene hydroboration. <i>Organic Letters</i> , <b>2013</b> , 15, 2680-3	3.2	164
210	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> , <b>2010</b> , 132, 1676-84	16.4	164
209	Dinitrogen cleavage and functionalization by carbon monoxide promoted by a hafnium complex. <i>Nature Chemistry</i> , <b>2010</b> , 2, 30-5	17.6	157
208	Cobalt-catalyzed asymmetric hydrogenation of enamides enabled by single-electron reduction. <i>Science</i> , <b>2018</b> , 360, 888-893	33.3	155
207	Low-Valent <b>Diimine</b> Iron Complexes for Catalytic Olefin Hydrogenation. <i>Organometallics</i> , <b>2005</b> , 24, 5518-5527	3.8	153
206	Alkene isomerization-hydroboration promoted by phosphine-ligated cobalt catalysts. <i>Organic Letters</i> , <b>2015</b> , 17, 2716-9	6.2	152
205	Bis(imino)pyridine iron(II) alkyl cations for olefin polymerization. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9660-1	16.4	146
204	ORGANIC CHEMISTRY. Iron-catalyzed intermolecular [2+2] cycloadditions of unactivated alkenes. <i>Science</i> , <b>2015</b> , 349, 960-3	33.3	143
203	Cobalt-Catalyzed Benzylic Borylation: Enabling Polyborylation and Functionalization of Remote, Unactivated C(sp <sup>3</sup> )-H Bonds. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 766-9	16.4	142
202	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> , <b>2010</b> , 132, 15046-59	16.4	140
201	Bis(diisopropylphosphino)pyridine iron dicarbonyl, dihydride, and silyl hydride complexes. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 7252-60	5.1	140

200	Alkene Hydrosilylation Using Tertiary Silanes with $\Phi$ Diimine Nickel Catalysts. Redox-Active Ligands Promote a Distinct Mechanistic Pathway from Platinum Catalysts. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4105-4109	13.1	140
199	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> , <b>2016</b> , 138, 3314-24	16.4	139
198	Four-coordinate cobalt pincer complexes: electronic structure studies and ligand modification by homolytic and heterolytic pathways. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9211-24	16.4	132
197	Synthesis, Electronic Structure, and Alkene Hydrosilylation Activity of Terpyridine and Bis(imino)pyridine Iron Dialkyl Complexes. <i>Organometallics</i> , <b>2012</b> , 31, 4886-4893	3.8	129
196	Selective, catalytic carbon-carbon bond activation and functionalization promoted by late transition metal catalysts. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 886-7	16.4	128
195	High-Activity Cobalt Catalysts for Alkene Hydroboration with Electronically Responsive Terpyridine and $\Phi$ Diimine Ligands. <i>ACS Catalysis</i> , <b>2015</b> , 5, 622-626	13.1	127
194	Iron-catalyzed intermolecular [2+2] cycloaddition. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8858-61	16.4	127
193	Dinitrogen functionalization with bis(cyclopentadienyl) complexes of zirconium and hafnium. <i>Dalton Transactions</i> , <b>2007</b> , 16-25	4.3	126
192	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of $\beta$ -Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3562-9	16.4	124
191	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , <b>2020</b> , 369,	33.3	124
190	Oxidative addition of carbon-carbon bonds with a redox-active bis(imino)pyridine iron complex. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 17125-37	16.4	121
189	Coordination-induced weakening of ammonia, water, and hydrazine X-H bonds in a molybdenum complex. <i>Science</i> , <b>2016</b> , 354, 730-733	33.3	116
188	Bench-Stable, Substrate-Activated Cobalt Carboxylate Pre-Catalysts for Alkene Hydrosilylation with Tertiary Silanes. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2632-2636	13.1	115
187	Synthesis of aryl-substituted bis(imino)pyridine iron dinitrogen complexes. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2782-92	5.1	112
186	Neutral-ligand complexes of bis(imino)pyridine iron: synthesis, structure, and spectroscopy. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 7055-63	5.1	109
185	Synthesis and electronic structure of bis(imino)pyridine iron metallacyclic intermediates in iron-catalyzed cyclization reactions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4862-77	16.4	108
184	High-Selectivity Bis(imino)pyridine Iron Catalysts for the Hydrosilylation of 1,2,4-Trivinylcyclohexane. <i>ACS Catalysis</i> , <b>2012</b> , 2, 2169-2172	13.1	108
183	Bis(imino)pyridine iron dinitrogen compounds revisited: differences in electronic structure between four- and five-coordinate derivatives. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3770-85	5.1	107

182	Bis(phosphine)cobalt dialkyl complexes for directed catalytic alkene hydrogenation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13178-81	16.4	103
181	Carbon dioxide hydrosilylation promoted by cobalt pincer complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9463-5	3.8	103
180	Synthesis, Reactivity, and Solid State Structures of Four-Coordinate Iron(II) and Manganese(II) Alkyl Complexes. <i>Organometallics</i> , <b>2004</b> , 23, 237-246	3.8	103
179	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> , <b>2010</b> , 132, 16343-5	16.4	101
178	Square planar vs tetrahedral geometry in four coordinate iron(II) complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 3103-11	5.1	101
177	Cobalt-Catalyzed 1,1-Diboration of Terminal Alkynes: Scope, Mechanism, and Synthetic Applications. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3868-3875	16.4	100
176	Square planar bis(imino)pyridine iron halide and alkyl complexes. <i>Chemical Communications</i> , <b>2005</b> , 3406-8	3.8	96
175	Carbon-Carbon Bond Formation in a Weak Ligand Field: Leveraging Open-Shell First-Row Transition-Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5170-5181	16.4	93
174	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> , <b>2008</b> , 27, 6264-6278	3.8	88
173	Iron diazoalkane chemistry: N-N bond hydrogenation and intramolecular C-H activation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7212-3	16.4	88
172	On the origin of dinitrogen hydrogenation promoted by [(eta <sup>5</sup> -C <sub>5</sub> Me <sub>4</sub> H)Zr] <sub>2</sub> (mu <sub>2</sub> ,eta <sup>2</sup> ,eta <sup>2</sup> -N <sub>2</sub> ). <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14326-7	16.4	88
171	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> , <b>2011</b> , 133, 17353-69	16.4	87
170	Reduced N-alkyl substituted bis(imino)pyridine cobalt complexes: molecular and electronic structures for compounds varying by three oxidation states. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 6110-23	5.1	86
169	Kinetics and mechanism of N <sub>2</sub> 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> , <b>2005</b> , 127, 14051-61	16.4	83
168	Cobalt-Catalyzed C(sp <sup>2</sup> )-H Borylation: Mechanistic Insights Inspire Catalyst Design. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10645-53	16.4	81
167	Synthesis of Bis(imino)pyridine Iron Di- and Monoalkyl Complexes: Stability Differences between FeCH <sub>2</sub> SiMe <sub>3</sub> and FeCH <sub>2</sub> CMe <sub>3</sub> Derivatives. <i>Organometallics</i> , <b>2008</b> , 27, 109-118	3.8	80
166	Nitrogen-carbon bond formation from N <sub>2</sub> and CO <sub>2</sub> promoted by a hafnocene dinitrogen complex yields a substituted hydrazine. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2858-61	16.4	79
165	C(sp <sup>3</sup> )-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> , <b>2017</b> , 139, 2825-2832	16.4	78

- 164 Benzyltriboronates: Building Blocks for Diastereoselective Carbon-Carbon Bond Formation. *Journal of the American Chemical Society*, **2017**, 139, 2589-2592 16.4 76
- 163 N<sub>2</sub> Hydrogenation Promoted by a Side-On Bound Hafnocene Dinitrogen Complex. *Organometallics*, **2006**, 25, 1021-1027 3.8 76
- 162 Dinitrogen activation by titanium sandwich complexes. *Journal of the American Chemical Society*, **2004**, 126, 14688-9 16.4 74
- 161 Carbon monoxide-induced dinitrogen cleavage with group 4 metallocenes: reaction scope and coupling to N-H bond formation and CO deoxygenation. *Journal of the American Chemical Society*, **2010**, 132, 10553-64 16.4 73
- 160 Bis(imino)pyridine iron alkyls containing beta-hydrogens: synthesis, evaluation of kinetic stability, and decomposition pathways involving chelate participation. *Journal of the American Chemical Society*, **2008**, 130, 11631-40 16.4 72
- 159 N-C bond formation promoted by a hafnocene dinitrogen complex: comparison of zirconium and hafnium congeners. *Journal of the American Chemical Society*, **2006**, 128, 10696-7 16.4 71
- 158 Evaluation of Cobalt Complexes Bearing Tridentate Pincer Ligands for Catalytic C-H Borylation. *Organometallics*, **2015**, 34, 1307-1320 3.8 68
- 157 Cobalt-Catalyzed [2+2] Cycloadditions of Alkenes: Scope, Mechanism, and Elucidation of Electronic Structure of Catalytic Intermediates. *Journal of the American Chemical Society*, **2015**, 137, 7903-14 16.4 68
- 156 Synthesis, electronic structure and reactivity of bis(imino)pyridine iron carbene complexes: evidence for a carbene radical. *Chemical Science*, **2014**, 5, 1168-1174 9.4 67
- 155 Oxidation and reduction of bis(imino)pyridine iron dinitrogen complexes: evidence for formation of a chelate trianion. *Inorganic Chemistry*, **2013**, 52, 635-46 5.1 67
- 154 Cobalt-Catalyzed Stereoretentive Hydrogen Isotope Exchange of C(sp)-H Bonds. *ACS Catalysis*, **2017**, 7, 5674-5678 13.1 66
- 153 Synthesis, electronic structure, and catalytic activity of reduced bis(aldimino)pyridine iron compounds: experimental evidence for ligand participation. *Inorganic Chemistry*, **2011**, 50, 3159-69 5.1 66
- 152 Dinitrogen silylation and cleavage with a hafnocene complex. *Journal of the American Chemical Society*, **2011**, 133, 10406-9 16.4 66
- 151 Enabling Two-Electron Pathways with Iron and Cobalt: From Ligand Design to Catalytic Applications. *Journal of the American Chemical Society*, **2019**, 141, 9106-9123 16.4 65
- 150 Ni(II)-X Complexes Bearing a Bulky  $\beta$ -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 16.4 63
- 149 Oxidative addition and C-H activation chemistry with a PNP pincer-ligated cobalt complex. *Chemical Science*, **2014**, 5, 1956-1960 9.4 62
- 148 Bis(imino)pyridine Iron Dinitrogen Compounds Revisited: Differences in Electronic Structure Between Four- and Five-Coordinate Derivatives. *Organometallics*, **2012**, 31, 2275-2285 3.8 62
- 147 Bis(imino)pyridine ligand deprotonation promoted by a transient iron amide. *Inorganic Chemistry*, **2006**, 45, 2-4 5.1 62



146	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> , <b>2017</b> , 139, 6110-6113	16.4	61
145	Cobalt-Catalyzed C(sp <sup>2</sup> ) $\pi$ Borylation with an Air-Stable, Readily Prepared Terpyridine Cobalt(II) Bis(acetate) Precatalyst. <i>Organometallics</i> , <b>2017</b> , 36, 142-150	3.8	61
144	Synthesis, electronic structure, and ethylene polymerization activity of bis(imino)pyridine cobalt alkyl cations. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8143-7	16.4	60
143	Expanding Boundaries: N <sub>2</sub> Cleavage and Functionalization beyond Early Transition Metals. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7892-6	16.4	59
142	Reversible carbon-carbon bond formation induced by oxidation and reduction at a redox-active cobalt complex. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 5403-17	5.1	58
141	Beyond Ammonia: Nitrogen-Element Bond Forming Reactions with Coordinated Dinitrogen. <i>Chemical Reviews</i> , <b>2020</b> , 120, 5637-5681	68.1	57
140	Synthesis of a base-free hafnium nitride from N <sub>2</sub> cleavage: a versatile platform for dinitrogen functionalization. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11373-83	16.4	57
139	Insight into Transmetalation Enables Cobalt-Catalyzed Suzuki-Miyaura Cross Coupling. <i>ACS Central Science</i> , <b>2016</b> , 2, 935-942	16.8	56
138	Ammonia synthesis by hydrogenolysis of titanium-nitrogen bonds using proton coupled electron transfer. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3498-501	16.4	55
137	Carboxylation of an ansa-zirconocene dinitrogen complex: regiospecific hydrazine synthesis from N <sub>2</sub> and CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4248-9	16.4	55
136	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> , <b>2016</b> , 138, 13379-13389	16.4	54
135	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 535-545	2.3	53
134	Selective [1,4]-Hydrovinylation of 1,3-Dienes with Unactivated Olefins Enabled by Iron Diimine Catalysts. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3443-3453	16.4	52
133	Air-Stable $\pi$ -Diimine Nickel Precatalysts for the Hydrogenation of Hindered, Unactivated Alkenes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 342-348	13.1	52
132	Synthesis and Hydrogenation Activity of Iron Dialkyl Complexes with Chiral Bidentate Phosphines. <i>Organometallics</i> , <b>2014</b> , 33, 5781-5790	3.8	51
131	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> , <b>2014</b> , 53, 14211-5	16.4	51
130	N-N bond cleavage in diazoalkanes by a bis(imino)pyridine iron complex. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 36-7	16.4	51
129	Functionalization of hafnium oxamidate complexes prepared from CO-induced N <sub>2</sub> cleavage. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15340-50	16.4	47

128	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9194-9198	16.4	45
127	Cobalt-Catalyzed Asymmetric Hydrogenation of $\alpha,\beta$ -Unsaturated Carboxylic Acids by Homolytic H Cleavage. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5272-5281	16.4	45
126	Terpyridine Molybdenum Dinitrogen Chemistry: Synthesis of Dinitrogen Complexes That Vary by Five Oxidation States. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3117-27	5.1	45
125	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> , <b>2014</b> , 136, 12099-107	16.4	44
124	Electronic Structure Determination of Pyridine N-Heterocyclic Carbene Iron Dinitrogen Complexes and Neutral Ligand Derivatives. <i>Organometallics</i> , <b>2014</b> , 33, 5423-5433	3.8	42
123	Studies into the mechanism of CO-induced N <sub>2</sub> cleavage promoted by an ansa-hafnocene complex and C-C bond formation from an observed intermediate. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3377-86	16.4	42
122	Mechanistic Studies of Cobalt-Catalyzed C(sp) <sup>3</sup> -H Borylation of Five-Membered Heteroarenes with Pinacolborane. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4366-4371	13.1	41
121	Structure and reactivity of a hafnocene $\eta$ -nitrido prepared from dinitrogen cleavage. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5213-6	16.4	41
120	Regio- and Diastereoselective Iron-Catalyzed [4+4]-Cycloaddition of 1,3-Dienes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8557-8573	16.4	40
119	Site-Selective Nickel-Catalyzed Hydrogen Isotope Exchange in N-Heterocycles and Its Application to the Tritiation of Pharmaceuticals. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10210-10218	13.1	40
118	Mono(dinitrogen) and carbon monoxide adducts of bis(cyclopentadienyl) titanium sandwiches. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6018-9	16.4	39
117	Synthesis and Characterization of Zirconium and Iron Complexes Containing Substituted Indenyl Ligands: Evaluation of Steric and Electronic Parameters. <i>Organometallics</i> , <b>2004</b> , 23, 5332-5346	3.8	39
116	Interconversion of Molybdenum Imido and Amido Complexes by Proton-Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2224-2228	16.4	36
115	Side-on Dinitrogen Complexes of Titanocenes with Disubstituted Cyclopentadienyl Ligands: Synthesis, Structure, and Spectroscopic Characterization. <i>Organometallics</i> , <b>2012</b> , 31, 3672-3682	3.8	36
114	Hydrogenation of $\alpha$ -Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17900-17908	16.4	33
113	Synthesis of Iron Hydride Complexes Relevant to Hydrogen Isotope Exchange in Pharmaceuticals. <i>Organometallics</i> , <b>2017</b> , 36, 4341-4343	3.8	30
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