# Jonas C Peters

List of Publications by Year
in descending order

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| 192 | 21,339 | 4955 84 | 10152 140 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 209 | 209 | 209 | 11918 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Catalytic conversion of nitrogen to ammonia by an iron model complex. Nature, 2013, 501, 84-87. | 13.7 | 838 |
| 2 | Molecular tuning of CO2-to-ethylene conversion. Nature, 2020, 577, 509-513. | 13.7 | 682 |
| 3 | Synthetic Control of Excited-State Properties in Cyclometalated Ir(III) Complexes Using Ancillary Ligands. Inorganic Chemistry, 2005, 44, 1713-1727. | 1.9 | 663 |
| 4 | Electrocatalytic Hydrogen Evolution at Low Overpotentials by Cobalt Macrocyclic Glyoxime and Tetraimine Complexes. Journal of the American Chemical Society, 2007, 129, 8988-8998. | 6.6 | 631 |
| 5 | Asymmetric copper-catalyzed C-N cross-couplings induced by visible light. Science, 2016, 351, 681-684. | 6.0 | 597 |
| 6 | Photoinduced Ullmann Câ€“N Coupling: Demonstrating the Viability of a Radical Pathway. Science, 2012, 338, 647-651. | 6.0 | 431 |
| 7 | Molecular enhancement of heterogeneous CO2 reduction. Nature Materials, 2020, 19, 266-276. | 13.3 | 416 |
| 8 | Dinitrogen Cleavage by Three-Coordinate Molybdenum(III) Complexes:Â Mechanistic and Structural Data1. Journal of the American Chemical Society, 1996, 118, 8623-8638. | 6.6 | 394 |
| 9 | A Tetrahedrally Coordinated L3Feâ^'NxPlatform that Accommodates Terminal Nitride (FeIVâ‹®N) and Dinitrogen (Felâ^'N2â^'Fel) Ligands. Journal of the American Chemical Society, 2004, 126, 6252-6254. | 6.6 | 357 |
| 10 | Reversible H<sub>2</sub> Addition across a Nickelâ€“Borane Unit as a Promising Strategy for Catalysis. Journal of the American Chemical Society, 2012, 134, 5080-5082. | 6.6 | 310 |
| 11 | A New Family of Nucleophiles for Photoinduced, Copper-Catalyzed Cross-Couplings via Single-Electron Transfer: Reactions of Thiols with Aryl Halides Under Mild Conditions (O Â°C). Journal of the American Chemical Society, 2013, 135, 9548-9552. | 6.6 | 310 |
| 12 | Dinitrogen Chemistry from Trigonally Coordinated Iron and Cobalt Platforms. Journal of the American Chemical Society, 2003, 125, 10782-10783. | 6.6 | 304 |
| 13 | Electrocatalytic Hydrogen Evolution in Acidic Water with Molecular Cobalt Tetraazamacrocycles. Journal of the American Chemical Society, 2012, 134, 3164-3170. | 6.6 | 301 |
| 14 | Catalytic Reduction of N<sub>2</sub> to NH<sub>3</sub> by an Feâ€“N<sub>2</sub> Complex Featuring a C-Atom Anchor. Journal of the American Chemical Society, 2014, 136, 1105-1115. | 6.6 | 296 |
| 15 | Triggering N2 uptake via redox-induced expulsion of coordinated NH3 and N2 silylation at trigonal bipyramidal iron. Nature Chemistry, 2010, 2, 558-565. | 6.6 | 285 |
| 16 | Photoinduced, Copper-Catalyzed Decarboxylative Câ€“N Coupling to Generate Protected Amines: An Alternative to the Curtius Rearrangement. Journal of the American Chemical Society, 2017, 139, 12153-12156. | 6.6 | 273 |
| 17 | A Synthetic Single-Site Fe Nitrogenase: High Turnover, Freeze-Quench <sup>57</sup>Fe MÃ¶ssbauer Data, and a Hydride Resting State. Journal of the American Chemical Society, 2016, 138, 5341-5350. | 6.6 | 259 |
| 18 | Electrocatalytic hydrogen evolution by cobalt difluoroboryl-diglyoximate complexes. Chemical Communications, 2005, , 4723. | 2.2 | 256 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Low-Spin d5Iron Imide:Â Nitrene Capture by Low-Coordinate Iron(I) Provides the 4-Coordinate Fe(III) Complex [PhB(CH2PPh2)3]Feâ‹®N-p-tolyl. Journal of the American Chemical Society, 2003, 125, 322-323. | 6.6 | 251 |
| 20 | Terminal Iron Dinitrogen and Iron Imide Complexes Supported by a Tris(phosphino)borane Ligand. Angewandte Chemie - International Edition, 2011, 50, 2063-2067. | 7.2 | 243 |
| 21 | Catalytic N<sub>2</sub>-to-NH<sub>3</sub>(or -N<sub>2</sub>H<sub>4</sub>) Conversion by Well-Defined Molecular Coordination Complexes. Chemical Reviews, 2020, 120, 5582-5636. | 23.0 | 234 |
| 22 | CO<sub>2</sub> Reduction Selective for C<sub>â‰¥2</sub> Products on Polycrystalline Copper with N-Substituted Pyridinium Additives. ACS Central Science, 2017, 3, 853-859. | 5.3 | 226 |
| 23 | Borylâ€“Metal Bonds Facilitate Cobalt/Nickel-Catalyzed Olefin Hydrogenation. Journal of the American Chemical Society, 2014, 136, 13672-13683. | 6.6 | 209 |
| 24 | Heterolytic H<sub>2</sub> Cleavage and Catalytic Hydrogenation by an Iron Metallaboratrane. Organometallics, 2013, 32, 3053-3062. | 1.1 | 199 |
| 25 | Transitionâ€Metalâ€Catalyzed Alkylations of Amines with Alkyl Halides: Photoinduced, Copperâ€Catalyzed Couplings of Carbazoles. Angewandte Chemie - International Edition, 2013, 52, 5129-5133. | 7.2 | 198 |
| 26 | An Fe-N<sub>2</sub> Complex That Generates Hydrazine and Ammonia via Feâ•NNH<sub>2</sub>: Demonstrating a Hybrid Distal-to-Alternating Pathway for N<sub>2</sub> Reduction. Journal of the American Chemical Society, 2016, 138, 4243-4248. | 6.6 | 197 |
| 27 | Catalytic N<sub>2</sub>-to-NH<sub>3</sub> Conversion by Fe at Lower Driving Force: A Proposed Role for Metallocene-Mediated PCET. ACS Central Science, 2017, 3, 217-223. | 5.3 | 194 |
| 28 | ME and ME complexes of iron and cobalt that emphasize three-fold symmetry (E=O, N, NR). Coordination Chemistry Reviews, 2011, 255, 920-937. | 9.5 | 191 |
| 29 | Photoinduced, Copper-Catalyzed Alkylation of Amides with Unactivated Secondary Alkyl Halides at Room Temperature. Journal of the American Chemical Society, 2014, 136, 2162-2167. | 6.6 | 191 |
| 30 | Oxidative Group Transfer to Co(I) Affords a Terminal Co(III) Imido Complex. Journal of the American Chemical Society, 2002, 124, 11238-11239. | 6.6 | 189 |
| 31 | N<sub>2</sub> Functionalization at Iron Metallaboratranes. Journal of the American Chemical Society, 2011, 133, 18118-18121. | 6.6 | 185 |
| 32 | Ground-State Singlet L3Fe-(Î¼-N)-FeL3and L3Fe(NR) Complexes Featuring Pseudotetrahedral Fe(II) Centers. Journal of the American Chemical Society, 2005, 127, 1913-1923. | 6.6 | 182 |
| 33 | Fe(I)-Mediated Reductive Cleavage and Coupling of CO2:â€‰ An FeII(Î¼-O,Î¼-CO)FeII Core. Journal of the American Chemical Society, 2007, 129, 4-5. | 6.6 | 180 |
| 34 | A Versatile Approach to Ullmann Câ€“N Couplings at Room Temperature: New Families of Nucleophiles and Electrophiles for Photoinduced, Copper-Catalyzed Processes. Journal of the American Chemical Society, 2013, 135, 13107-13112. | 6.6 | 176 |
| 35 | Lowâ€Temperature N<sub>2</sub> Binding to Twoâ€Coordinate L<sub>2</sub>Fe<sup>0</sup> Enables Reductive Trapping of L<sub>2</sub>FeN<sub>2</sub><sup>â¯</sup> and NH<sub>3</sub> Generation. Angewandte Chemie - International Edition, 2015, 54, 532-535. | 7.2 | 172 |
| 36 | On the feasibility of N2 fixation via a single-site FeI/FeIV cycle: Spectroscopic studies of FeI(N2)FeI, FeIVN, and related species. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17107-17112. | 3.3 | 170 |

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| 37 | Terminal Feïƒ¿N2 and Feïâ‹…â‹…â‹…Hïƒ¿C Interactions Supported by Tris(phosphino)silyl Ligands. Angewandte Chemie - International Edition, 2007, 46, 5768-5771. | 7.2 | 157 |
| 38 | Catalytic Nitrogen-to-Ammonia Conversion by Osmium and Ruthenium Complexes. Journal of the American Chemical Society, 2017, 139, 16105-16108. | 6.6 | 157 |
| 39 | A d<sup>10</sup> Niâ€“(H<sub>2</sub>) Adduct as an Intermediate in Hïƒ¿H Oxidative Addition across a Nïƒ¿B Bond. Angewandte Chemie - International Edition, 2014, 53, 1081-1086. | 7.2 | 155 |
| 40 | Characterization of an Feâ‰¡Nâ€“NH<sub>2</sub> Intermediate Relevant to Catalytic N<sub>2</sub> Reduction to NH<sub>3</sub>. Journal of the American Chemical Society, 2015, 137, 7803-7809. | 6.6 | 155 |
| 41 | N<sub>2</sub>â€toâ€NH<sub>3</sub> Conversion by a triphosâ€“Iron Catalyst and Enhanced Turnover under Photolysis. Angewandte Chemie - International Edition, 2017, 56, 6921-6926. | 7.2 | 154 |
| 42 | Silylene Extrusion from a Silane:â€‰ Direct Conversion of Mes2SiH2 to an Iridium Silylene Dihydride. Journal of the American Chemical Society, 1999, 121, 9871-9872. | 6.6 | 152 |
| 43 | A terminal molybdenum carbide prepared by methylidyne deprotonation. Chemical Communications, 1997, , 1995. | 2.2 | 145 |
| 44 | Evaluating Molecular Cobalt Complexes for the Conversion of N<sub>2</sub> to NH<sub>3</sub>. Inorganic Chemistry, 2015, 54, 9256-9262. | 1.9 | 143 |
| 45 | Dinitrogen Complexes Supported by Tris(phosphino)silyl Ligands. Inorganic Chemistry, 2009, 48, 2507-2517. | 1.9 | 139 |
| 46 | Studies of Cobalt-Mediated Electrocatalytic CO<sub>2</sub> Reduction Using a Redox-Active Ligand. Inorganic Chemistry, 2014, 53, 4980-4988. | 1.9 | 139 |
| 47 | Conversion of Feâ€“NH<sub>2</sub> to Feâ€“N<sub>2</sub> with release of NH<sub>3</sub>. Journal of the American Chemical Society, 2013, 135, 534-537. | 6.6 | 135 |
| 48 | Characterization of the Terminal Iron(IV) Imides {[PhBPtBu2(pzâ€˜)]FeIVâ‹®NAd}+. Journal of the American Chemical Society, 2006, 128, 4956-4957. | 6.6 | 134 |
| 49 | Fe-Mediated Nitrogen Fixation with a Metallocene Mediator: Exploring pK<sub>a</sub> Effects and Demonstrating Electrocatalysis. Journal of the American Chemical Society, 2018, 140, 6122-6129. | 6.6 | 132 |
| 50 | Mid- to high-valent imido and nitrido complexes of iron. Journal of Inorganic Biochemistry, 2006, 100, 634-643. | 1.5 | 129 |
| 51 | Feâ€“N <sub>2</sub> /CO complexes that model a possible role for the interstitial C atom of FeMo-cofactor (FeMoco). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15898-15903. | 3.3 | 128 |
| 52 | Facile Siâ€“H bond activation and hydrosilylation catalysis mediated by a nickelâ€“borane complex. Chemical Science, 2014, 5, 590-597. | 3.7 | 128 |
| 53 | Considering FeII/IVRedox Processes as Mechanistically Relevant to the Catalytic Hydrogenation of Olefins by [PhBPiPr3]Feâ”HxSpecies. Inorganic Chemistry, 2004, 43, 7474-7485. | 1.9 | 127 |
| 54 | Nitrogen Fixation via a Terminal Fe(IV) Nitride. Journal of the American Chemical Society, 2017, 139, 15312-15315. | 6.6 | 120 |

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| 55 | Photoinduced copper-catalysed asymmetric amidation via ligand cooperativity. Nature, 2021, 596, 250-256. | 13.7 | 116 |
| 56 | Copper-Catalyzed Alkylation of Aliphatic Amines Induced by Visible Light. Journal of the American Chemical Society, 2017, 139, 17707-17710. | 6.6 | 115 |
| 57 | Elucidation of a Low Spin Cobalt(II) System in a Distorted Tetrahedral Geometry. Journal of the American Chemical Society, 2002, 124, 15336-15350. | 6.6 | 113 |
| 58 | Zwitterionic and Cationic Bis(phosphine) Platinum(II) Complexes:Â Structural, Electronic, and Mechanistic Comparisons Relevant to Ligand Exchange and Benzene Câ^'H Activation Processes. Journal of the American Chemical Society, 2003, 125, 8870-8888. | 6.6 | 113 |
| 59 | Twoâ€Coordinate Fe<sup>0</sup> and Co<sup>0</sup> Complexes Supported by Cyclic (alkyl)(amino)carbenes. Angewandte Chemie - International Edition, 2014, 53, 8427-8431. | 7.2 | 111 |
| 60 | Design of a Photoredox Catalyst that Enables the Direct Synthesis of Carbamate-Protected Primary Amines via Photoinduced, Copper-CatalyzedN-Alkylation Reactions of Unactivated Secondary Halides. Journal of the American Chemical Society, 2017, 139, 18101-18106. | 6.6 | 110 |
| 61 | Benzene Câ^'H Activation at a Charge Neutral Zwitterionic Platinum(II) Complex. Journal of the American Chemical Society, 2001, 123, 5100-5101. | 6.6 | 109 |
| 62 | Activations of Silanes with [PhB(CH2PPh2)3]Ir(H)(Î·3-C8H13). Formation of Iridium Silylene Complexes via the Extrusion of Silylenes from Secondary Silanes R2SiH2. Organometallics, 2002, 21, 4065-4075. | 1.1 | 109 |
| 63 | Heterolytic H2Activation Mediated by Low-Coordinate L3Fe-(Î¼-N)-FeL3Complexes to Generate Fe(Î¼-NH)(Î¼-H)Fe Species. Journal of the American Chemical Society, 2005, 127, 13146-13147. | 6.6 | 108 |
| 64 | Catalytic Nâ^'N Coupling of Aryl Azides To Yield Azoarenes via Trigonal Bipyramid Ironâ^'Nitrene Intermediates. Journal of the American Chemical Society, 2010, 132, 4083-4085. | 6.6 | 108 |
| 65 | Dihydrogen Binding to Isostructural S = <sup>1</sup>/<sub>2</sub> and S = 0 Cobalt Complexes. Journal of the American Chemical Society, 2012, 134, 14158-14164. | 6.6 | 108 |
| 66 | Photoinduced, Copper-Catalyzed Carbonâ€"Carbon Bond Formation with Alkyl Electrophiles: Cyanation of Unactivated Secondary Alkyl Chlorides at Room Temperature. Journal of the American Chemical Society, 2015, 137, 13902-13907. | 6.6 | 107 |
| 67 | High-Rate and Efficient Ethylene Electrosynthesis Using a Catalyst/Promoter/Transport Layer. ACS Energy Letters, 2020, 5, 2811-2818. | 8.8 | 106 |
| 68 | Hydricity of an Feâ€"H Species and Catalytic CO<sub>2</sub> Hydrogenation. Inorganic Chemistry, 2015, 54, 5124-5135. | 1.9 | 105 |
| 69 | Three-Coordinate Copper(I) Amido and Aminyl Radical Complexes. Journal of the American Chemical Society, 2009, 131, 3878-3880. | 6.6 | 104 |
| 70 | Inâ€Situ Nanostructuring and Stabilization of Polycrystalline Copper by an Organic Salt Additive Promotes Electrocatalytic CO<sub>2</sub> Reduction to Ethylene. Angewandte Chemie - International Edition, 2019, 58, 16952-16958. | 7.2 | 103 |
| 71 | Long-Lived and Efficient Emission from Mononuclear Amidophosphine Complexes of Copper. Inorganic Chemistry, 2007, 46, 7244-7246. | 1.9 | 102 |
| 72 | Eâ€"H Bond Activations and Hydrosilylation Catalysis with Iron and Cobalt Metalloboranes. Organometallics, 2015, 34, 4741-4752. | 1.1 | 100 |

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| 73 | Structural Snapshots of a Flexible Cu2P2Core that Accommodates the Oxidation States CuICuI, Cu1.5Cu1.5, and CuIICuII. Journal of the American Chemical Society, 2005, 127, 16032-16033. | 6.6 | 94 |
| 74 | A Polar Copperâ€“Boron One-Electron Ïƒ-Bond. Journal of the American Chemical Society, 2013, 135, 3792-3795. | 6.6 | 94 |
| 75 | Visible-Light-Induced, Copper-Catalyzed Three-Component Coupling of Alkyl Halides, Olefins, and Trifluoromethylthiolate To Generate Trifluoromethyl Thioethers. ACS Catalysis, 2018, 8, 11741-11748. | 5.5 | 94 |
| 76 | Pincer-like Amido Complexes of Platinum, Palladium, and Nickel. Inorganic Chemistry, 2001, 40, 5083-5091. | 1.9 | 93 |
| 77 | Efficient luminescence from easily prepared three-coordinate copper(i) arylamidophosphines. Chemical Communications, 2010, 46, 3690. | 2.2 | 93 |
| 78 | The Strong-Field Tripodal Phosphine Donor, [PhB(CH2PiPr2)3]-, Provides Access to Electronically and Coordinatively Unsaturated Transition Metal Complexes. Inorganic Chemistry, 2003, 42, 5074-5084. | 1.9 | 92 |
| 79 | Spin-State Tuning at Pseudotetrahedral d7Ions:Â Examining the Structural and Magnetic Phenomena of Four-Coordinate [BP3]CoIIâ^'X Systems. Journal of the American Chemical Society, 2005, 127, 7148-7165. | 6.6 | 91 |
| 80 | Zwitterionic Relatives to the Classic [(Pâ€“P)Rh(solv)2] Ions: Neutral Catalysts Active for Hï£¿E Bond Additions to Olefins (E=C, Si, B). Angewandte Chemie - International Edition, 2003, 42, 2385-2389. | 7.2 | 90 |
| 81 | Hâ€“H and Siâ€“H Bond Addition to Feâ‰¡NNR<sub>2</sub> Intermediates Derived from N<sub>2</sub>. Journal of the American Chemical Society, 2013, 135, 4938-4941. | 6.6 | 89 |
| 82 | Oxygen nucleophiles as reaction partners in photoinduced, copper-catalyzed cross-couplings: O-arylations of phenols at room temperature. Chemical Science, 2014, 5, 2831-2835. | 3.7 | 89 |
| 83 | Photoinduced, Copper-Catalyzed Alkylation of Amines: A Mechanistic Study of the Cross-Coupling of Carbazole with Alkyl Bromides. Journal of the American Chemical Society, 2017, 139, 12716-12723. | 6.6 | 89 |
| 84 | A molecular mediator for reductive concerted proton-electron transfers via electrocatalysis. Science, 2020, 369, 850-854. | 6.0 | 88 |
| 85 | Probing the Electronic Structures of [Cu<sub>2</sub>(Î¼-XR<sub>2</sub>)]<sup>n</sup><sup>+</sup> Diamond Cores as a Function of the Bridging X Atom (X = N or P) and Charge (n = 0, 1, 2). Journal of the American Chemical Society, 2008, 130, 3478-3485. | 6.6 | 87 |
| 86 | A CO-Derived Iron Dicarbyne That Releases Olefin upon Hydrogenation. Journal of the American Chemical Society, 2013, 135, 12580-12583. | 6.6 | 87 |
| 87 | Diiron Bridged-Thiolate Complexes That Bind N<sub>2</sub> at the Fe<sup>II</sup>Fe<sup>II</sup>, Fe<sup>II</sup>Fe<sup>I</sup>, and Fe<sup>I</sup>Fe<sup>I</sup> Redox States. Journal of the American Chemical Society, 2015, 137, 7310-7313. | 6.6 | 87 |
| 88 | Thermally stable N2 and H2 adducts of cationic nickel(ii). Chemical Science, 2012, 3, 1313. | 3.7 | 85 |
| 89 | Bis(phosphino)borates:â€‰ A New Family of Monoanionic Chelating Phosphine Ligands. Inorganic Chemistry, 2003, 42, 5055-5073. | 1.9 | 84 |
| 90 | The Coordination Chemistry of â€œ[BP3]NiXâ€•Platforms:Â Targeting Low-Valent Nickel Sources as Promising Candidates to L3NiE and L3Niâ‹®E Linkages. Inorganic Chemistry, 2004, 43, 4645-4662. | 1.9 | 84 |

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| 91 | The Cobalt Hydride that Never Was: Revisiting Schrauzerâ€™s â€œHydridocobaloximeâ€• Journal of the American Chemical Society, 2015, 137, 4860-4864. | 6.6 | 82 |
| 92 | A mechanistic investigation of the photoinduced, copper-mediated cross-coupling of an aryl thiol with an aryl halide. Chemical Science, 2016, 7, 4091-4100. | 3.7 | 82 |
| 93 | Fe-Mediated HER vs N<sub>2</sub>RR: Exploring Factors That Contribute to Selectivity in P<sub>3</sub><sup>E</sup>Fe(N<sub>2</sub>) (E = B, Si, C) Catalyst Model Systems. ACS Catalysis, 2018, 8, 1448-1455. | 5.5 | 81 |
| 94 | Hydrogenolysis of [PhBP3]Feâ‹®N-p-tolyl:Â Probing the Reactivity of an Iron Imide with H2. Journal of the American Chemical Society, 2004, 126, 4538-4539. | 6.6 | 80 |
| 95 | A 10<sup>6</sup>-Fold Enhancement in N<sub>2</sub>-Binding Affinity of an Fe<sub>2</sub>(Î¼-H)<sub>2</sub> Core upon Reduction to a Mixed-Valence Fe<sup>II</sup>Fe<sup>I</sup> State. Journal of the American Chemical Society, 2014, 136, 13853-13862. | 6.6 | 79 |
| 96 | A Ru(I) Metalloradical That Catalyzes Nitrene Coupling to Azoarenes from Arylazides. Journal of the American Chemical Society, 2012, 134, 6695-6706. | 6.6 | 78 |
| 97 | Dinitrogen Complexes of Sulfur-Ligated Iron. Journal of the American Chemical Society, 2011, 133, 8440-8443. | 6.6 | 77 |
| 98 | Silylation of Iron-Bound Carbon Monoxide Affords a Terminal Fe Carbyne. Journal of the American Chemical Society, 2011, 133, 4438-4446. | 6.6 | 76 |
| 99 | Amido-Bridged Cu2N2Diamond Cores that Minimize Structural Reorganization and Facilitate Reversible Redox Behavior between a Cu1Cu1and a Class III Delocalized Cu1.5Cu1.5Species. Journal of the American Chemical Society, 2004, 126, 2885-2893. | 6.6 | 74 |
| 100 | Vibrational Spectroscopy and Analysis of Pseudo-tetrahedral Complexes with Metal Imido Bonds. Inorganic Chemistry, 2006, 45, 7417-7427. | 1.9 | 72 |
| 101 | Electrocatalytic Ammonia Oxidation Mediated by a Polypyridyl Iron Catalyst. ACS Catalysis, 2019, 9, 10101-10108. | 5.5 | 72 |
| 102 | XAS Characterization of a Nitridoiron(IV) Complex with a Very Short Feâ‹¯N Bond. Inorganic Chemistry, 2007, 46, 5720-5726. | 1.9 | 71 |
| 103 | Catalytic Copolymerization of CO and Ethylene with a Charge Neutral Palladium(II) Zwitterion. Journal of the American Chemical Society, 2002, 124, 5272-5273. | 6.6 | 69 |
| 104 | Assembly of Molybdenum/Titanium Î¼-Oxo Complexes via Radical Alkoxide Câ‹¯O Cleavage. Journal of the American Chemical Society, 1996, 118, 10175-10188. | 6.6 | 65 |
| 105 | Characterization of Structurally Unusual Diiron N<sub>x</sub>H<sub>y</sub> Complexes. Journal of the American Chemical Society, 2009, 131, 10358-10359. | 6.6 | 65 |
| 106 | CO2 reduction by Fe(i): solvent control of Câ€“O cleavage versus Câ€“C coupling. Chemical Science, 2013, 4, 4042. | 3.7 | 65 |
| 107 | Base-Promoted Benzene Câ‹¯H Activation Chemistry at an Amido Pincer Complex of Platinum(II). Organometallics, 2002, 21, 1753-1755. | 1.1 | 63 |
| 108 | Reduction of CO<sub>2</sub> by Pyridine Monoimine Molybdenum Carbonyl Complexes: Cooperative Metalâ€“Ligand Binding of CO<sub>2</sub>. Chemistry - A European Journal, 2015, 21, 8497-8503. | 1.7 | 63 |

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| 109 | Cp* Noninnocence Leads to a Remarkably Weak Câ€“H Bond via Metallocene Protonation. Journal of the American Chemical Society, 2019, 141, 4721-4729. | 6.6 | 63 |
| 110 | Access to Wellâ€Ðefined Ruthenium(I) and Osmium(I) Metalloradicals. Angewandte Chemie - International Edition, 2010, 49, 4088-4091. | 7.2 | 62 |
| 111 | Eâ^'H Bond Activation Reactions (E = H, C, Si, Ge) at Ruthenium: Terminal Phosphides, Silylenes, and Germylenes. Organometallics, 2009, 28, 3744-3753. | 1.1 | 61 |
| 112 | Dramatic HER Suppression on Ag Electrodes via Molecular Films for Highly Selective CO<sub>2</sub> to CO Reduction. ACS Catalysis, 2021, 11, 4530-4537. | 5.5 | 61 |
| 113 | A Nonclassical Dihydrogen Adduct of S = <sup>1</sup>/<sub>2</sub> Fe(I). Journal of the American Chemical Society, 2011, 133, 16366-16369. | 6.6 | 59 |
| 114 | Exploring secondary-sphere interactions in Feâ€“N<sub>x</sub>H<sub>y</sub>complexes relevant to N<sub>2</sub>fixation. Chemical Science, 2017, 8, 2321-2328. | 3.7 | 57 |
| 115 | Structural and Chemical Properties of Zwitterionic Iridium Complexes Featuring the Tripodal Phosphine Ligand [PhB(CH2PPh2)3]-. Organometallics, 2002, 21, 4050-4064. | 1.1 | 56 |
| 116 | A homoleptic phosphine adduct of Tl(I). Chemical Communications, 2001, , 2152-2153. | 2.2 | 54 |
| 117 | Bio-organometallic Approaches to Nitrogen Fixation Chemistry. , 2006, , 81-119. | | 53 |
| 118 | Synthesis and characterization of cationic iron complexes supported by the neutral ligands NPi-Pr3, NArPi-Pr3, and NSt-Bu3. Canadian Journal of Chemistry, 2005, 83, 332-340. | 0.6 | 51 |
| 119 | Breaking the Correlation between Energy Costs and Kinetic Barriers in Hydrogen Evolution via a Cobalt Pyridine-Diimine-Dioxime Catalyst. ACS Catalysis, 2016, 6, 6114-6123. | 5.5 | 51 |
| 120 | Nâ€“H Bond Dissociation Enthalpies and Facile H Atom Transfers for Early Intermediates of Feâ€“N<sub>2</sub> and Feâ€“CN Reductions. Journal of the American Chemical Society, 2017, 139, 3161-3170. | 6.6 | 50 |
| 121 | Diazoalkanes react with a bis(phosphino)borate copper(i) source to generate [Ph2BPtBu2]Cu(Î·1-N2CR2), [Ph2BPtBu2]Cu(CPh2), and [Ph2BPtBu2]Cuâ€“N(CPh2)(NCPh2). Chemical Communications, 2008, , 1061. | 2.2 | 47 |
| 122 | A Five-Coordinate Phosphino/Acetate Iron(II) Scaffold That Binds N<sub>2</sub>, N<sub>2</sub>H<sub>2</sub>, N<sub>2</sub>H<sub>4</sub>, and NH<sub>3</sub> in the Sixth Site. Inorganic Chemistry, 2011, 50, 11285-11287. | 1.9 | 47 |
| 123 | Photoinduced, Copper-Catalyzed Enantioconvergent Alkylations of Anilines by Racemic Tertiary Electrophiles: Synthesis and Mechanism. Journal of the American Chemical Society, 2022, 144, 4550-4558. | 6.6 | 47 |
| 124 | Four-Coordinate, Trigonal Pyramidal Pt(II) and Pd(II) Complexes. Journal of the American Chemical Society, 2010, 132, 13975-13977. | 6.6 | 46 |
| 125 | Visible Light Sensitized CO<sub>2</sub> Activation by the Tetraaza [Co<sup>II</sup>N<sub>4</sub>H(MeCN)]<sup>2+</sup> Complex Investigated by FT-IR Spectroscopy and DFT Calculations. Journal of Physical Chemistry C, 2015, 119, 4645-4654. | 1.5 | 46 |
| 126 | Synthesis of the (Dialkylamino)borate, [Ph2B(CH2NMe2)2]-, Affords Access to N-Chelated Rhodium(I) Zwitterions. Inorganic Chemistry, 2002, 41, 6541-6543. | 1.9 | 45 |

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