# Brandon Q Mercado

List of Publications by Year
in descending order



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|---|---|---|---|
| 142 papers | 5,100 citations | 87888 38 h-index | 106344 65 g-index |
| 145 all docs | 145 docs citations | 145 times ranked | 5308 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lewis Acid-Assisted Formic Acid Dehydrogenation Using a Pincer-Supported Iron Catalyst. Journal of the American Chemical Society, 2014, 136, 10234-10237. | 13.7 | 377 |
| 2 | Iron catalyzed CO<sub>2</sub>hydrogenation to formate enhanced by Lewis acid co-catalysts. Chemical Science, 2015, 6, 4291-4299. | 7.4 | 285 |
| 3 | Binding of dinitrogen to an ironâ€“sulfurâ€“carbon site. Nature, 2015, 526, 96-99. | 27.8 | 223 |
| 4 | Rapid, Regioconvergent, Solvent-Free Alkene Hydrosilylation with a Cobalt Catalyst. Journal of the American Chemical Society, 2015, 137, 13244-13247. | 13.7 | 192 |
| 5 | Electrocatalytic Water Oxidation by a Copper(II) Complex of an Oxidation-Resistant Ligand. ACS Catalysis, 2017, 7, 3384-3387. | 11.2 | 149 |
| 6 | Is the Isolated Pentagon Rule Merely a Suggestion for Endohedral Fullerenes? The Structure of a Second Egg-Shaped Endohedral Fullereneâ€"Gd3N@Cs(39663)-C82. Journal of the American Chemical Society, 2008, 130, 7854-7855. | 13.7 | 129 |
| 7 | The Shape of the Sc<sub>2</sub>(Î¼<sub>2</sub>-S) Unit Trapped in C<sub>82</sub>: Crystallographic, Computational, and Electrochemical Studies of the Isomers, Sc<sub>2</sub>(Î¼<sub>2</sub>-S)@C<sub>s</sub>(6)-C<sub>82</sub> and Sc<sub>2</sub>(Î¼<sub>2</sub>-S)@C<sub>3v</sub>(8)-C<sub>82</sub>. Journal of the | 13.7 | 121 |
| 8 | Sc<sub>2</sub>(Î¼<sub>2</sub>-O) Trapped in a Fullerene Cage: The Isolation and Structural Characterization of Sc<sub>2</sub>(Î¼<sub>2</sub>-O)@C<sub>s</sub>(6)-C<sub>82</sub>and the Relevance of the Thermal and Entropic Effects in Fullerene Isomer Selection. Journal of the American Chemical Society, 2010, 132, 12098-12105. | 13.7 | 119 |
| 9 | Rh(III)-Catalyzed Aryl and Alkenyl Câ€“H Bond Addition to Diverse Nitroalkenes. ACS Catalysis, 2017, 7, 150-153. | 11.2 | 116 |
| 10 | Concerted proton-electron transfer reactions in the Marcus inverted region. Science, 2019, 364, 471-475. | 12.6 | 104 |
| 11 | Alkali Metal Control over Nâ€“N Cleavage in Iron Complexes. Journal of the American Chemical Society, 2014, 136, 16807-16816. | 13.7 | 103 |
| 12 | Diversity of Secondary Structure in Catalytic Peptides with Î²-Turn-Biased Sequences. Journal of the American Chemical Society, 2017, 139, 492-516. | 13.7 | 101 |
| 13 | Rhodium(III)-Catalyzed Imidoyl Câ€“H Activation for Annulations to Azolopyrimidines. Organic Letters, 2018, 20, 2464-2467. | 4.6 | 93 |
| 14 | Selective conversion of glycerol to lactic acid with iron pincer precatalysts. Chemical Communications, 2015, 51, 16201-16204. | 4.1 | 86 |
| 15 | [2 + 2] Cycloaddition Reaction to Sc<sub>3</sub>N@I<sub>h</sub>-C<sub>80</sub>. The Formation of Very Stable [5,6]- and [6,6]-Adducts. Journal of the American Chemical Society, 2011, 133, 1563-1571. | 13.7 | 85 |
| 16 | Selective and synergistic cobalt(iii)-catalysed three-component Câ€“H bond addition to dienes and aldehydes. Nature Catalysis, 2018, 1, 673-679. | 34.4 | 79 |
| 17 | Very Large, Soluble Endohedral Fullerenes in the Series La<sub>2</sub>C<sub>90</sub> to La<sub>2</sub>C<sub>138</sub>: Isolation and Crystallographic Characterization of La<sub>2</sub>@D<sub>5</sub>(450)-C<sub>100</sub>. Journal of the American Chemical Society, 2011, 133, 15338-15341. | 13.7 | 78 |
| 18 | Roles of Iron Complexes in Catalytic Radical Alkene Cross-Coupling: A Computational and Mechanistic Study. Journal of the American Chemical Society, 2019, 141, 7473-7485. | 13.7 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Stepwise Nâ€“H bond formation from N2-derived iron nitride, imide and amide intermediates to ammonia. Chemical Science, 2016, 7, 5736-5746. | 7.4 | 76 |
| 20 | Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp<sup>2</sup>)â€“C(sp<sup>3</sup>)Coupling Reactions. Angewandte Chemie - International Edition, 2019, 58, 6094-6098. | 13.8 | 76 |
| 21 | Coupling dinitrogen and hydrocarbons through aryl migration. Nature, 2020, 584, 221-226. | 27.8 | 75 |
| 22 | Large Endohedral Fullerenes Containing Two Metal Ions, Sm<sub>2</sub>@D<sub>2</sub>(35)-C<sub>88</sub>, Sm<sub>2</sub>@C<sub>1</sub>(21)-C<sub>90</sub>, and Sm<sub>2</sub>@D<sub>3</sub>(85)-C<sub>92</sub>, and Their Relationship to Endohedral Fullerenes Containing Two Gadolinium Ions. Journal of the American Chemical Society, 2011, 133, 16911-16919. | 13.7 | 61 |
| 23 | Isolation and Crystallographic Identification of Four Isomers of Sm@C<sub>90</sub>. Journal of the American Chemical Society, 2011, 133, 6299-6306. | 13.7 | 57 |
| 24 | X-ray Crystallographic Characterization of New Soluble Endohedral Fullerenes Utilizing the Popular C<sub>82</sub> Bucky Cage. Isolation and Structural Characterization of Sm@C<sub>3</sub>v(7)-C<sub>82</sub>, Sm@C<sub>s(6)-C<sub>82</sub>, and Sm@C<sub>2</sub>(5)-C<sub>82</sub>. Journal of the American Chemical Society, 2012, 134, 14127-14136. | 13.7 | 57 |
| 25 | Nickel(I) Aryl Species: Synthesis, Properties, and Catalytic Activity. ACS Catalysis, 2018, 8, 2526-2533. | 11.2 | 57 |
| 26 | Catalytic Formic Acid Dehydrogenation and CO2 Hydrogenation Using Iron PNRP Pincer Complexes with Isonitrile Ligands. Organometallics, 2018, 37, 3846-3853. | 2.3 | 57 |
| 27 | Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. Chemistry - A European Journal, 2011, 17, 4408-4417. | 3.3 | 52 |
| 28 | Binary ionic porphyrin nanosheets: electronic and light-harvesting properties regulated by crystal structure. Nanoscale, 2012, 4, 1695. | 5.6 | 49 |
| 29 | Structural and Electrochemical Property Correlations of Metallic Nitride Endohedral Metallofullerenes. Journal of Physical Chemistry C, 2010, 114, 13003-13009. | 3.1 | 48 |
| 30 | Combining scaling relationships overcomes rate versus overpotential trade-offs in O <sub>2</sub> molecular electrocatalysis. Science Advances, 2020, 6, eaaz3318. | 10.3 | 46 |
| 31 | Selective Synthesis, Isolation, and Crystallographic Characterization of LaSc<sub>2</sub>N@I<sub>h-C<sub>80</sub>. Inorganic Chemistry, 2012, 51, 13096-13102. | 4.0 | 45 |
| 32 | Alkali Metal Variation and Twisting of the FeNNFe Core in Bridging Diiron Dinitrogen Complexes. Inorganic Chemistry, 2016, 55, 2960-2968. | 4.0 | 45 |
| 33 | Redox Activity of Oxo-Bridged Iridium Dimers in an N,O-Donor Environment: Characterization of Remarkably Stable Ir(IV,V) Complexes. Journal of the American Chemical Society, 2017, 139, 9672-9683. | 13.7 | 45 |
| 34 | Planar three-coordinate iron sulfide in a synthetic [4Fe-3S] cluster with biomimetic reactivity. Nature Chemistry, 2019, 11, 1019-1025. | 13.6 | 45 |
| 35 | Alkali-Controlled Câ€“H Cleavage or Nâ€“C Bond Formation by N<sub>2</sub>-Derived Iron Nitrides and Imides. Journal of the American Chemical Society, 2016, 138, 11185-11191. | 13.7 | 42 |
| 36 | Effects of N<sub>2</sub>Binding Mode on Iron-Based Functionalization of Dinitrogen to Form an Iron(III) Hydrazido Complex. Journal of the American Chemical Society, 2018, 140, 8586-8598. | 13.7 | 42 |

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|---|---|---|---|
| 37 | High Oxidation State Iridium Mono-Î¼-oxo Dimers Related to Water Oxidation Catalysis. Journal of the American Chemical Society, 2016, 138, 15917-15926. | 13.7 | 41 |
| 38 | Terahertz Spectroscopy of Tetrameric Peptides. Journal of Physical Chemistry Letters, 2019, 10, 2624-2628. | 4.6 | 39 |
| 39 | Three-Component 1,2-Carboamidation of Bridged Bicyclic Alkenes via Rh<sup>III</sup>-Catalyzed Addition of Câ€“H Bonds and Amidating Reagents. Organic Letters, 2021, 23, 2836-2840. | 4.6 | 38 |
| 40 | Water-Nucleophilic Attack Mechanism for the Cu<sup>II</sup>(pyalk)<sub>2</sub> Water-Oxidation Catalyst. ACS Catalysis, 2018, 8, 7952-7960. | 11.2 | 37 |
| 41 | Nitrogenase-Relevant Reactivity of a Synthetic Ironâ€“Sulfurâ€“Carbon Site. Journal of the American Chemical Society, 2019, 141, 13148-13157. | 13.7 | 34 |
| 42 | Phosphothreonine (pThr)-Based Multifunctional Peptide Catalysis for Asymmetric Baeyerâ€“Villiger Oxidations of Cyclobutanones. ACS Catalysis, 2019, 9, 242-252. | 11.2 | 34 |
| 43 | Dinitrogen-Facilitated Reversible Formation of a Siâ€“H Bond in a Pincer-Supported Ni Complex. Organometallics, 2016, 35, 3154-3162. | 2.3 | 33 |
| 44 | Understanding the Solution and Solid-State Structures of Pd and Pt PSiP Pincer-Supported Hydrides. Inorganic Chemistry, 2015, 54, 11411-11422. | 4.0 | 31 |
| 45 | Systematic Study of Effects of Structural Modifications on the Aqueous Solubility of Drug-like Molecules. ACS Medicinal Chemistry Letters, 2017, 8, 124-127. | 2.8 | 31 |
| 46 | Electrocatalytic, Homogeneous Ammonia Oxidation in Water to Nitrate and Nitrite with a Copper Complex. Journal of the American Chemical Society, 2022, 144, 8449-8453. | 13.7 | 31 |
| 47 | Synthesis of entâ€Ketorfanol via a Câ€“H Alkenylation/Torquoselective 6Ï€ Electrocyclization Cascade. Angewandte Chemie - International Edition, 2015, 54, 12044-12048. | 13.8 | 30 |
| 48 | Molecular titaniumâ€“hydroxamate complexes as models for TiO<sub>2</sub> surface binding. Chemical Communications, 2016, 52, 2972-2975. | 4.1 | 30 |
| 49 | Reversible Ligandâ€Centered Reduction in Lowâ€Coordinate Iron Formazanate Complexes. Chemistry - A European Journal, 2018, 24, 9417-9425. | 3.3 | 30 |
| 50 | Alkali Cation Effects on Redox-Active Formazanate Ligands in Iron Chemistry. Inorganic Chemistry, 2018, 57, 9580-9591. | 4.0 | 30 |
| 51 | New Ir Bis-Carbonyl Precursor for Water Oxidation Catalysis. Inorganic Chemistry, 2016, 55, 2427-2435. | 4.0 | 28 |
| 52 | A Stable Coordination Complex of Rh(IV) in an N,O-Donor Environment. Journal of the American Chemical Society, 2015, 137, 15692-15695. | 13.7 | 27 |
| 53 | Enhancement of Câˆ’H Oxidizing Ability in Coâ€“O<sub>2</sub>â€…Complexes through an Isolated Heterobimetallic Oxo Intermediate. Angewandte Chemie - International Edition, 2017, 56, 3211-3215. | 13.8 | 27 |
| 54 | Synthesis and Catalytic Activity of PNP-Supported Iron Complexes with Ancillary Isonitrile Ligands. Organometallics, 2017, 36, 3995-4004. | 2.3 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Small Molecule Microcrystal Electron Diffraction for the Pharmaceutical Industryâ€“Lessons Learned From Examining Over Fifty Samples. Frontiers in Molecular Biosciences, 2021, 8, 648603. | 3.5 | 27 |
| 56 | New Regio- and Stereoselective Cascades via Unstabilized Azomethine Ylide Cycloadditions for the Synthesis of Highly Substituted Tropane and Indolizidine Frameworks. Journal of the American Chemical Society, 2016, 138, 12664-12670. | 13.7 | 26 |
| 57 | Diazoalkanes in Low-Coordinate Iron Chemistry: Bimetallic Diazoalkyl and Alkylidene Complexes of Iron(II). Inorganic Chemistry, 2017, 56, 1019-1022. | 4.0 | 26 |
| 58 | Stereodynamic Quinoneâ€“Hydroquinone Molecules That Enantiomerize at sp<sup>3</sup>-Carbon via Redox-Interconversion. Journal of the American Chemical Society, 2017, 139, 15239-15244. | 13.7 | 26 |
| 59 | Regio- and Diastereoselective Synthesis of Highly Substituted, Oxygenated Piperidines from Tetrahydropyridines. Journal of Organic Chemistry, 2015, 80, 6660-6668. | 3.2 | 25 |
| 60 | Synthesis, Characterization, and Nitrogenase-Relevant Reactions of an Iron Sulfide Complex with a Bridging Hydride. Journal of the American Chemical Society, 2015, 137, 13220-13223. | 13.7 | 25 |
| 61 | Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,Oâ€Donor Organic Ligand. Angewandte Chemie - International Edition, 2017, 56, 13047-13051. | 13.8 | 24 |
| 62 | Activationless Multiple-Site Concerted Protonâ€“Electron Tunneling. Journal of the American Chemical Society, 2018, 140, 7449-7452. | 13.7 | 24 |
| 63 | Tunable and Practical Homogeneous Organic Reductants for Cross-Electrophile Coupling. Journal of the American Chemical Society, 2021, 143, 21024-21036. | 13.7 | 23 |
| 64 | Ordered Structures from Crystalline Carbon Disulfide Solvates of the Nano-Tubular Fullerenes D<sub>5h</sub>(1)-C<sub>90</sub> and D<sub>5h</sub>-C<sub>70</sub>. Crystal Growth and Design, 2013, 13, 4591-4598. | 3.0 | 22 |
| 65 | Enhancement of Câˆ’H Oxidizing Ability in Coâ€“O<sub>2</sub>â€…Complexes through an Isolated Heterobimetallic Oxo Intermediate. Angewandte Chemie, 2017, 129, 3259-3263. | 2.0 | 22 |
| 66 | Solution and solid state studies of three new supramolecular compounds of zinc(II), nickel(II) and uranium(VI) with chelidamic acid and 9-aminoacridine. Inorganica Chimica Acta, 2013, 406, 256-265. | 2.4 | 21 |
| 67 | Oxidized and reduced [2Feâ€“2S] clusters from an iron(I) synthon. Journal of Biological Inorganic Chemistry, 2015, 20, 875-883. | 2.6 | 21 |
| 68 | Bis(dialkylphosphino)ferrocene-Ligated Nickel(II) Precatalysts for Suzukiâ€“Miyaura Reactions of Aryl Carbonates. Organometallics, 2019, 38, 3377-3387. | 2.3 | 21 |
| 69 | Câˆ’H and Câˆ’N Activation at Redoxâ€Active Pyridine Complexes of Iron. Angewandte Chemie - International Edition, 2017, 56, 1069-1072. | 13.8 | 20 |
| 70 | Selective Conversion of CO 2 into Isocyanate by Lowâ€Coordinate Iron Complexes. Angewandte Chemie - International Edition, 2018, 57, 6507-6511. | 13.8 | 20 |
| 71 | Modifications to the Aryl Group of dppf-Ligated Ni Ïƒ-Aryl Precatalysts: Impact on Speciation and Catalytic Activity in Suzukiâ€“Miyaura Coupling Reactions. Organometallics, 2018, 37, 3943-3955. | 2.3 | 20 |
| 72 | Intramolecular Electrostatic Effects on O<sub>2</sub>, CO<sub>2</sub>, and Acetate Binding to a Cationic Iron Porphyrin. Inorganic Chemistry, 2020, 59, 17402-17414. | 4.0 | 20 |

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|---|---|---|---|
| 73 | Carbonâ€“Carbon Bond-Forming Reactions of Î±-Thioaryl Carbonyl Compounds for the Synthesis of Complex Heterocyclic Molecules. Journal of Organic Chemistry, 2012, 77, 160-172. | 3.2 | 19 |
| 74 | Chemical Oxidation of a Coordinated PNP-Pincer Ligand Forms Unexpected Reâ€“Nitroxide Complexes with Reversal of Nitride Reactivity. Inorganic Chemistry, 2019, 58, 10791-10801. | 4.0 | 19 |
| 75 | Catalytic Oxygen Evolution from Manganese Complexes with an Oxidationâ€Resistant N,N,Oâ€Donor Ligand. ChemPlusChem, 2016, 81, 1129-1132. | 2.8 | 18 |
| 76 | 2â€Aminoethanol Extraction as a Method for Purifying Sc<sub>3</sub>N@C<sub>80</sub> and for Differentiating Classes of Endohedral Fullerenes on the Basis of Reactivity. Chemistry - A European Journal, 2015, 21, 17035-17043. | 3.3 | 17 |
| 77 | A Dinuclear Iridium(V,V) Oxo-Bridged Complex Characterized Using a Bulk Electrolysis Technique for Crystallizing Highly Oxidizing Compounds. Inorganic Chemistry, 2018, 57, 5684-5691. | 4.0 | 17 |
| 78 | The influences of carbon donor ligands on biomimetic multi-iron complexes for N<sub>2</sub>reduction. Chemical Science, 2020, 11, 12710-12720. | 7.4 | 17 |
| 79 | Î²â€Alkyloxazolochlorins: Revisiting the Ozonation of Octaalkylporphyrins, and Beyond. Chemistry - A European Journal, 2016, 22, 11706-11718. | 3.3 | 16 |
| 80 | Iron and Cobalt Diazoalkane Complexes Supported by Î²-Diketiminate Ligands: A Synthetic, Spectroscopic, and Computational Investigation. Inorganic Chemistry, 2018, 57, 5959-5972. | 4.0 | 15 |
| 81 | Masked Radicals: Iron Complexes of Trityl, Benzophenone, and Phenylacetylene. Organometallics, 2019, 38, 4224-4232. | 2.3 | 15 |
| 82 | A [2Feâ€“1S] Complex That Affords Access to Bimetallic and Higher-Nuclearity Ironâ€“Sulfur Clusters. Inorganic Chemistry, 2019, 58, 8829-8834. | 4.0 | 15 |
| 83 | Mechanistic Study of Alkene Hydrosilylation Catalyzed by a Î²-Dialdiminate Cobalt(I) Complex. Organometallics, 2020, 39, 2415-2424. | 2.3 | 15 |
| 84 | Concerted proton-electron transfer oxidation of phenols and hydrocarbons by a high-valent nickel complex. Chemical Science, 2020, 11, 1683-1690. | 7.4 | 14 |
| 85 | All Four Atropisomers of Iron Tetra(o-N,N,N-trimethylanilinium)porphyrin in Both the Ferric and Ferrous States. Inorganic Chemistry, 2021, 60, 5240-5251. | 4.0 | 14 |
| 86 | Controlling the Conformational Energy of a Phenyl Group by Tuning the Strength of a Nonclassical CHÂ·Â·Â·O Hydrogen Bond: The Case of 5-Phenyl-1,3-dioxane. Journal of Organic Chemistry, 2016, 81, 12116-12127. | 3.2 | 13 |
| 87 | Synthesis and Reactivity of Iron Complexes with a Biomimetic SCS Pincer Ligand. Inorganic Chemistry, 2021, 60, 1965-1974. | 4.0 | 13 |
| 88 | Control of Catalyst Isomers Using an N-Phenyl-Substituted RN(CH<sub>2</sub>CH<sub>2</sub>P<sup>i</sup>Pr<sub>2</sub>)<sub>2</sub> Pincer Ligand in CO<sub>2</sub> Hydrogenation and Formic Acid Dehydrogenation. Inorganic Chemistry, 2022, 61, 643-656. | 4.0 | 13 |
| 89 | Structural insights into [Co4O4(C5H5N)4(CH3CO2)4]+, a rare Co(IV)-containing cuboidal complex. Polyhedron, 2013, 64, 304-307. | 2.2 | 12 |
| 90 | Synthesis of pyridine-alkoxide ligands for formation of polynuclear complexes. New Journal of Chemistry, 2017, 41, 6709-6719. | 2.8 | 12 |

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|---|---|---|---|
| 91 | Bacterial Autoimmune Drug Metabolism Transforms an Immunomodulator into Structurally and Functionally Divergent Antibiotics. Angewandte Chemie - International Edition, 2020, 59, 7871-7880. | 13.8 | 12 |
| 92 | Electronic and Spin-State Effects on Dinitrogen Splitting to Nitrides in a Rhenium Pincer System. Inorganic Chemistry, 2021, 60, 6115-6124. | 4.0 | 12 |
| 93 | Accessing Molecular Dimeric Ir Water Oxidation Catalysts from Coordination Precursors. Inorganic Chemistry, 2021, 60, 14349-14356. | 4.0 | 12 |
| 94 | Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,Oâ€Donor Organic Ligand. Angewandte Chemie, 2017, 129, 13227-13231. | 2.0 | 11 |
| 95 | Structure and Reactivity of Highly Twisted N-Acylimidazoles. Organic Letters, 2019, 21, 2346-2351. | 4.6 | 11 |
| 96 | Cobalt(III)-Catalyzed Diastereoselective Three-Component Câ€“H Bond Addition to Butadiene and Activated Ketones. Synthesis, 2020, 52, 1239-1246. | 2.3 | 11 |
| 97 | Understanding the Reactivity and Decomposition of a Highly Active Iron Pincer Catalyst for Hydrogenation and Dehydrogenation Reactions. ACS Catalysis, 2021, 11, 10631-10646. | 11.2 | 11 |
| 98 | Facile conversion of ammonia to a nitride in a rhenium system that cleaves dinitrogen. Chemical Science, 2022, 13, 4010-4018. | 7.4 | 11 |
| 99 | Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp<sup>2</sup>)â€“C(sp<sup>3</sup>)Coupling Reactions. Angewandte Chemie, 2019, 131, 6155-6159. | 2.0 | 10 |
| 100 | Surprisingly big linker-dependence of activity and selectivity in CO<sub>2</sub> reduction by an iridium(<scp>i</scp>) pincer complex. Chemical Communications, 2020, 56, 9126-9129. | 4.1 | 10 |
| 101 | Catalysis-Enabled Access to Cryptic Geldanamycin Oxides. ACS Central Science, 2020, 6, 426-435. | 11.3 | 10 |
| 102 | Stereoselective Synthesis of Allenyl Alcohols by Cobalt(III)â€Catalyzed Sequential Câˆ’H Bond Addition to 1,3â€Enynes and Aldehydes. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 10 |
| 103 | Stereogenic Î±-carbons determine the shape and topology of [13]-macrodilactones. Organic and Biomolecular Chemistry, 2015, 13, 5086-5089. | 2.8 | 9 |
| 104 | Rules of Macrocycle Topology: A [13]â€Macrodilactone Case Study. Chemistry - A European Journal, 2016, 22, 6001-6011. | 3.3 | 9 |
| 105 | A Stereodynamic Redoxâ€Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinoneâ€“Quinone Hybrid Dihydrobenzofurans. Angewandte Chemie - International Edition, 2018, 57, 15107-15111. | 13.8 | 9 |
| 106 | Chirality-matched catalyst-controlled macrocyclization reactions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 9 |
| 107 | Ligand and solvent effects on CO<sub>2</sub> insertion into group 10 metal alkyl bonds. Chemical Science, 2022, 13, 2391-2404. | 7.4 | 9 |
| 108 | ENDOR characterization of an ironâ€“alkene complex provides insight into a corresponding organometallic intermediate of nitrogenase. Chemical Science, 2017, 8, 5941-5948. | 7.4 | 8 |

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|---|---|---|---|
| 109 | N,N,O Pincer Ligand with a Deprotonatable Site That Promotes Redoxâ€Leveling, High Mn Oxidation States, and a Mn 2 O 2 Dimer Competent for Catalytic Oxygen Evolution. European Journal of Inorganic Chemistry, 2019, 2019, 2115-2123. | 2.0 | 8 |
| 110 | A single crystal X-ray diffraction study of a fully ordered cocrystal of pristine Sc3N@D3h(5)â€"C78. Polyhedron, 2013, 58, 129-133. | 2.2 | 7 |
| 111 | Transfer hydrogenation of ketones catalyzed by complexes of ruthenium(II) with the heterotridentate [P,N,O] ligands (S)-2-[{2-(diphenylphosphanyl)benzylidene}amino]propan-1-ol, (S)-2-[{2-(diphenylphosphanyl)benzyl}amino]propan-1-ol or the [P,N,S] ligand (S)-2-(dimethylamino)-1-(diphenylphosphino)-3-(methylthio)propane. Journal of Organometallic Chemistry, 2017, 830, 74-84. | 1.8 | 7 |
| 112 | Synthesis and Mechanism of Formation of Hydrideâ€"Sulfide Complexes of Iron. Inorganic Chemistry, 2017, 56, 9185-9193. | 4.0 | 7 |
| 113 | Selective Conversion of CO2into Isocyanate by Lowâ€Coordinate Iron Complexes. Angewandte Chemie, 2018, 130, 6617-6621. | 2.0 | 7 |
| 114 | Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. Journal of Organic Chemistry, 2019, 84, 1664-1672. | 3.2 | 7 |
| 115 | Rh(III)-Catalyzed Imidoyl Câ€"H Carbamylation and Cyclization to Bicyclic [1,3,5]Triazinones. Organic Letters, 2020, 22, 8993-8997. | 4.6 | 7 |
| 116 | Dehydrogenative Synthesis of Carbamates from Formamides and Alcohols Using a Pincer-Supported Iron Catalyst. ACS Catalysis, 2021, 11, 10614-10624. | 11.2 | 7 |
| 117 | Iron, Cobalt, and Nickel Complexes Supported by a iPrPNPhP Pincer Ligand. Organometallics, 0, , . | 2.3 | 7 |
| 118 | Iron Complexes of a Proton-Responsive SCS Pincer Ligand with a Sensitive Electronic Structure. Inorganic Chemistry, 2022, 61, 1644-1658. | 4.0 | 7 |
| 119 | Crystal structure of the thermochromic bis(diethylammonium) tetrachloridocuprate(II) complex. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 40-43. | 0.5 | 6 |
| 120 | Câˆ'H and Câˆ'N Activation at Redoxâ€Active Pyridine Complexes of Iron. Angewandte Chemie, 2017, 129, 1089-1092. | 2.0 | 6 |
| 121 | Copper(I) SNS pincer complexes: Impact of ligand design and solvent coordination on conformer interconversion from spectroscopic and computational studies. Inorganica Chimica Acta, 2019, 495, 118996. | 2.4 | 6 |
| 122 | Effect of Remote Aryl Substituents on the Conformational Equilibria of 2,2-Diaryl-1,3-dioxanes: Importance of Electrostatic Interactions. Journal of Organic Chemistry, 2015, 80, 4108-4115. | 3.2 | 5 |
| 123 | pH Driven Hydrothermal Syntheses of Neodymium Sulfites and Mixed Sulfate-Sulfites. Crystal Growth and Design, 2018, 18, 5332-5341. | 3.0 | 5 |
| 124 | Development of a Convergent Enantioselective Synthetic Route to (âˆ')-Myrocin G. Journal of Organic Chemistry, 2020, 85, 8952-8989. | 3.2 | 5 |
| 125 | Organometallic Iridium Complex Containing a Dianionic, Tridentate, Mixed Organicâ€"Inorganic Ligand. Inorganic Chemistry, 2016, 55, 8121-8129. | 4.0 | 4 |
| 126 | Spin States, Bonding and Magnetism in Mixedâ€Valence Iron(0)â€Iron(II) Complexes**. Chemistry - A European Journal, 2022, 28, . | 3.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Facile solvolysis of a surprisingly twisted tertiary amide. New Journal of Chemistry, 2016, 40, 1974-1981. | 2.8 | 3 |
| 128 | A Stereodynamic Redoxâ€Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinoneâ€"Quinone Hybrid Dihydrobenzofurans. Angewandte Chemie, 2018, 130, 15327-15331. | 2.0 | 3 |
| 129 | Synthesis of organometallic pincer-supported cobalt(II) complexes. Polyhedron, 2020, 177, 114308. | 2.2 | 3 |
| 130 | Bacterial Autoimmune Drug Metabolism Transforms an Immunomodulator into Structurally and Functionally Divergent Antibiotics. Angewandte Chemie, 2020, 132, 7945-7954. | 2.0 | 3 |
| 131 | Structural and Thermodynamic Effects on the Kinetics of Câ€"H Oxidation by Multisite Proton-Coupled Electron Transfer in Fluorenyl Benzoates. Journal of Organic Chemistry, 2022, , . | 3.2 | 3 |
| 132 | Distortional Effects of Noncovalent Interactions in the Crystal Lattice of a Cp*Ir(III) Acylhydroxamic Acid Complex: A Joint Experimentalâ€"Computational Study. Organometallics, 2014, 33, 4417-4424. | 2.3 | 2 |
| 133 | Formation of Aminocyclopentadienes from Silyldihydropyridines: Ring Contractions Driven by Anion Stabilization. Angewandte Chemie - International Edition, 2018, 57, 6605-6609. | 13.8 | 2 |
| 134 | Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds. Inorganica Chimica Acta, 2019, 484, 75-78. | 2.4 | 2 |
| 135 | Stereoselective Synthesis of Allenyl Alcohols by Cobalt(III)â€Catalyzed Sequential Câ^'H Bond Addition to 1,3â€Enynes and Aldehydes. Angewandte Chemie, 2022, 134, . | 2.0 | 2 |
| 136 | Deactivation of a ruthenium(II) N-heterocyclic carbene p-cymene complex during transfer hydrogenation catalysis. Transition Metal Chemistry, 2018, 43, 21-29. | 1.4 | 1 |
| 137 | Synthesis and Prior Misidentification of 4-tert-Butyl-2,6-dinitrobenzaldehyde. Journal of Organic Chemistry, 2019, 84, 12172-12176. | 3.2 | 1 |
| 138 | Distorted Copper(II) Complex with Unusually Short CFÂ·Â·Â·Cu Distances. Inorganic Chemistry, 2021, 60, 14759-14764. | 4.0 | 1 |
| 139 | Correlative vibrational spectroscopy and 2D X-ray diffraction to probe the mineralization of bone in phosphate-deficient mice. Journal of Applied Crystallography, 2019, 52, 960-971. | 4.5 | 1 |
| 140 | The tropoloneâ€"isobutylamine complex: a hydrogen-bonded troponoid without dominant ï€â€"ï€ interactions. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 730-737. | 0.5 | 0 |
| 141 | Formation of Aminocyclopentadienes from Silyldihydropyridines: Ring Contractions Driven by Anion Stabilization. Angewandte Chemie, 2018, 130, 6715-6719. | 2.0 | 0 |
| 142 | Structures of three disubstituted [13]-macrodilactones reveal effects of substitution on macrocycle conformation. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1617-1623. | 0.5 | 0 |