

Brandon Q Mercado

List of Publications by Year in descending order

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papers

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87723

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145
all docs

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docs citations

145
times ranked

5308
citing authors

#	ARTICLE	IF	CITATIONS
1	Lewis Acid-Assisted Formic Acid Dehydrogenation Using a Pincer-Supported Iron Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 10234-10237.	6.6	377
2	Iron catalyzed CO ₂ hydrogenation to formate enhanced by Lewis acid co-catalysts. <i>Chemical Science</i> , 2015, 6, 4291-4299.	3.7	285
3	Binding of dinitrogen to an iron-sulfur-carbon site. <i>Nature</i> , 2015, 526, 96-99.	13.7	223
4	Rapid, Regioconvergent, Solvent-Free Alkene Hydrosilylation with a Cobalt Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 13244-13247.	6.6	192
5	Electrocatalytic Water Oxidation by a Copper(II) Complex of an Oxidation-Resistant Ligand. <i>ACS Catalysis</i> , 2017, 7, 3384-3387.	5.5	149
6	Is the Isolated Pentagon Rule Merely a Suggestion for Endohedral Fullerenes? The Structure of a Second Egg-Shaped Endohedral Fullerene Gd ₃ N@Cs(39663)-C ₈₂ . <i>Journal of the American Chemical Society</i> , 2008, 130, 7854-7855.	6.6	129
7	The Shape of the Sc ₂ ($\frac{1}{4}$ -S) Unit Trapped in C ₈₂ : Crystallographic, Computational, and Electrochemical Studies of the Isomers, Sc ₂ ($\frac{1}{4}$ -S)@C ₆₀ (6)-C ₈₂ and Sc ₂ ($\frac{1}{4}$ -S)@C ₇₀ (8)-C ₈₂ . <i>Journal of the American Chemical Society</i> , 2010, 132, 12098-12105.	6.6	121
8	Sc ₂ ($\frac{1}{4}$ -O) Trapped in a Fullerene Cage: The Isolation and Structural Characterization of Sc ₂ ($\frac{1}{4}$ -O)@C ₆₀ (6)-C ₈₂ and the Relevance of the Thermal and Entropic Effects in Fullerene Isomer Selection. <i>Journal of the American Chemical Society</i> , 2010, 132, 12098-12105.	6.6	119
9	Rh(III)-Catalyzed Aryl and Alkenyl C-H Bond Addition to Diverse Nitroalkenes. <i>ACS Catalysis</i> , 2017, 7, 150-153.	5.5	116
10	Concerted proton-electron transfer reactions in the Marcus inverted region. <i>Science</i> , 2019, 364, 471-475.	6.0	104
11	Alkali Metal Control over N-N Cleavage in Iron Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 16807-16816.	6.6	103
12	Diversity of Secondary Structure in Catalytic Peptides with β -Turn-Biased Sequences. <i>Journal of the American Chemical Society</i> , 2017, 139, 492-516.	6.6	101
13	Rhodium(III)-Catalyzed Imidoyl C-H Activation for Annulations to Azolopyrimidines. <i>Organic Letters</i> , 2018, 20, 2464-2467.	2.4	93
14	Selective conversion of glycerol to lactic acid with iron pincer precatalysts. <i>Chemical Communications</i> , 2015, 51, 16201-16204.	2.2	86
15	[2 + 2] Cycloaddition Reaction to Sc ₃ N@Ih-C ₈₀ . The Formation of Very Stable [5,6]- and [6,6]-Adducts. <i>Journal of the American Chemical Society</i> , 2011, 133, 1563-1571.	6.6	85
16	Selective and synergistic cobalt(III)-catalysed three-component C-H bond addition to dienes and aldehydes. <i>Nature Catalysis</i> , 2018, 1, 673-679.	16.1	79
17	Very Large, Soluble Endohedral Fullerenes in the Series La ₂ C ₉₀ to La ₂ C ₁₃₈ : Isolation and Crystallographic Characterization of La ₂ @D _{5h} (450)-C ₁₀₀ . <i>Journal of the American Chemical Society</i> , 2011, 133, 15338-15341.	6.6	78
18	Roles of Iron Complexes in Catalytic Radical Alkene Cross-Coupling: A Computational and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 7473-7485.	6.6	78

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19	Stepwise N-H bond formation from N ₂ -derived iron nitride, imide and amide intermediates to ammonia. <i>Chemical Science</i> , 2016, 7, 5736-5746.	3.7	76
20	Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp ²)-C(sp ³) Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6094-6098.	7.2	76
21	Coupling dinitrogen and hydrocarbons through aryl migration. <i>Nature</i> , 2020, 584, 221-226.	13.7	75
22	Large Endohedral Fullerenes Containing Two Metal Ions, Sm ₂ @D ₂ (35)-C ₈₈ , Sm ₂ @C ₁ (21)-C ₉₀ , and Sm ₂ @D ₃ (85)-C ₉₂ , and Their Relationship to Endohedral Fullerenes Containing Two Gadolinium Ions. <i>Journal of the American Chemical Society</i> , 2011, 133, 16911-16919.	6.6	61
23	Isolation and Crystallographic Identification of Four Isomers of Sm@C ₉₀ . <i>Journal of the American Chemical Society</i> , 2011, 133, 6299-6306.	6.6	57
24	X-ray Crystallographic Characterization of New Soluble Endohedral Fullerenes Utilizing the Popular C ₈₂ Bucky Cage. Isolation and Structural Characterization of Sm@C ₃ v(7)-C ₈₂ , Sm@C₃v(6)-C ₈₂ , and Sm@C₂(5)-C ₈₂ . <i>Journal of the American Chemical Society</i> , 2012, 134, 14127-14136.	6.6	57
25	Nickel(I) Aryl Species: Synthesis, Properties, and Catalytic Activity. <i>ACS Catalysis</i> , 2018, 8, 2526-2533.	5.5	57
26	Catalytic Formic Acid Dehydrogenation and CO ₂ Hydrogenation Using Iron PNP Pincer Complexes with Isonitrile Ligands. <i>Organometallics</i> , 2018, 37, 3846-3853.	1.1	57
27	Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2011, 17, 4408-4417.	1.7	52
28	Binary ionic porphyrin nanosheets: electronic and light-harvesting properties regulated by crystal structure. <i>Nanoscale</i> , 2012, 4, 1695.	2.8	49
29	Structural and Electrochemical Property Correlations of Metallic Nitride Endohedral Metallofullerenes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13003-13009.	1.5	48
30	Combining scaling relationships overcomes rate versus overpotential trade-offs in O ₂ molecular electrocatalysis. <i>Science Advances</i> , 2020, 6, eaaz3318.	4.7	46
31	Selective Synthesis, Isolation, and Crystallographic Characterization of LaSc ₂ N@I_h-C ₈₀ . <i>Inorganic Chemistry</i> , 2012, 51, 13096-13102.	1.9	45
32	Alkali Metal Variation and Twisting of the FeNNFe Core in Bridging Diiron Dinitrogen Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 2960-2968.	1.9	45
33	Redox Activity of Oxo-Bridged Iridium Dimers in an N,O-Donor Environment: Characterization of Remarkably Stable Ir(IV,V) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 9672-9683.	6.6	45
34	Planar three-coordinate iron sulfide in a synthetic [4Fe-3S] cluster with biomimetic reactivity. <i>Nature Chemistry</i> , 2019, 11, 1019-1025.	6.6	45
35	Alkali-Controlled C-H Cleavage or N-C Bond Formation by N ₂ -Derived Iron Nitrides and Imides. <i>Journal of the American Chemical Society</i> , 2016, 138, 11185-11191.	6.6	42
36	Effects of N ₂ Binding Mode on Iron-Based Functionalization of Dinitrogen to Form an Iron(III) Hydrazido Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 8586-8598.	6.6	42

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37	High Oxidation State Iridium Mono- η^4 -oxo Dimers Related to Water Oxidation Catalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 15917-15926.	6.6	41
38	Terahertz Spectroscopy of Tetrameric Peptides. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2624-2628.	2.1	39
39	Three-Component 1,2-Carboamidation of Bridged Bicyclic Alkenes via Rh ^{III} -Catalyzed Addition of C-H Bonds and Amidating Reagents. <i>Organic Letters</i> , 2021, 23, 2836-2840.	2.4	38
40	Water-Nucleophilic Attack Mechanism for the Cu ^{II} (pyalk) ₂ Water-Oxidation Catalyst. <i>ACS Catalysis</i> , 2018, 8, 7952-7960.	5.5	37
41	Nitrogenase-Relevant Reactivity of a Synthetic Iron-Sulfur-Carbon Site. <i>Journal of the American Chemical Society</i> , 2019, 141, 13148-13157.	6.6	34
42	Phosphothreonine (pThr)-Based Multifunctional Peptide Catalysis for Asymmetric Baeyer-Villiger Oxidations of Cyclobutanones. <i>ACS Catalysis</i> , 2019, 9, 242-252.	5.5	34
43	Dinitrogen-Facilitated Reversible Formation of a Si-H Bond in a Pincer-Supported Ni Complex. <i>Organometallics</i> , 2016, 35, 3154-3162.	1.1	33
44	Understanding the Solution and Solid-State Structures of Pd and Pt PSiP Pincer-Supported Hydrides. <i>Inorganic Chemistry</i> , 2015, 54, 11411-11422.	1.9	31
45	Systematic Study of Effects of Structural Modifications on the Aqueous Solubility of Drug-like Molecules. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 124-127.	1.3	31
46	Electrocatalytic, Homogeneous Ammonia Oxidation in Water to Nitrate and Nitrite with a Copper Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 8449-8453.	6.6	31
47	Synthesis of ent-ketorfanol via a C-H Alkenylation/Torquoselective 6 π Electrocyclization Cascade. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12044-12048.	7.2	30
48	Molecular titanium-hydroxamate complexes as models for TiO ₂ surface binding. <i>Chemical Communications</i> , 2016, 52, 2972-2975.	2.2	30
49	Reversible Ligand-Centered Reduction in Low-Coordinate Iron Formazanate Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 9417-9425.	1.7	30
50	Alkali Cation Effects on Redox-Active Formazanate Ligands in Iron Chemistry. <i>Inorganic Chemistry</i> , 2018, 57, 9580-9591.	1.9	30
51	New Ir Bis-Carbonyl Precursor for Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2016, 55, 2427-2435.	1.9	28
52	A Stable Coordination Complex of Rh(IV) in an N,O-Donor Environment. <i>Journal of the American Chemical Society</i> , 2015, 137, 15692-15695.	6.6	27
53	Enhancement of C-H Oxidizing Ability in Co ^{II} -...Complexes through an Isolated Heterobimetallic Oxo Intermediate. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3211-3215.	7.2	27
54	Synthesis and Catalytic Activity of PNP-Supported Iron Complexes with Ancillary Isonitrile Ligands. <i>Organometallics</i> , 2017, 36, 3995-4004.	1.1	27

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55	Small Molecule Microcrystal Electron Diffraction for the Pharmaceutical Industry—Lessons Learned From Examining Over Fifty Samples. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 648603.	1.6	27
56	New Regio- and Stereoselective Cascades via Unstabilized Azomethine Ylide Cycloadditions for the Synthesis of Highly Substituted Tropane and Indolizidine Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 12664-12670.	6.6	26
57	Diazoalkanes in Low-Coordinate Iron Chemistry: Bimetallic Diazoalkyl and Alkylidene Complexes of Iron(II). <i>Inorganic Chemistry</i> , 2017, 56, 1019-1022.	1.9	26
58	Stereodynamic Quinone—Hydroquinone Molecules That Enantiomerize at sp^3 -Carbon via Redox-Interconversion. <i>Journal of the American Chemical Society</i> , 2017, 139, 15239-15244.	6.6	26
59	Regio- and Diastereoselective Synthesis of Highly Substituted, Oxygenated Piperidines from Tetrahydropyridines. <i>Journal of Organic Chemistry</i> , 2015, 80, 6660-6668.	1.7	25
60	Synthesis, Characterization, and Nitrogenase-Relevant Reactions of an Iron Sulfide Complex with a Bridging Hydride. <i>Journal of the American Chemical Society</i> , 2015, 137, 13220-13223.	6.6	25
61	Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,O-Donor Organic Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13047-13051.	7.2	24
62	Activationless Multiple-Site Concerted Proton—Electron Tunneling. <i>Journal of the American Chemical Society</i> , 2018, 140, 7449-7452.	6.6	24
63	Tunable and Practical Homogeneous Organic Reductants for Cross-Electrophile Coupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 21024-21036.	6.6	23
64	Ordered Structures from Crystalline Carbon Disulfide Solvates of the Nano-Tubular Fullerenes $C_{59}H(1)$ and $C_{59}H(70)$. <i>Crystal Growth and Design</i> , 2013, 13, 4591-4598.	1.4	22
65	Enhancement of H_2O_2 Oxidizing Ability in Co_2O_2 ...Complexes through an Isolated Heterobimetallic Oxo Intermediate. <i>Angewandte Chemie</i> , 2017, 129, 3259-3263.	1.6	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. <i>Inorganica Chimica Acta</i> , 2013, 406, 256-265.	1.2	21
67	Oxidized and reduced $[2Fe-2S]$ clusters from an iron(I) synthon. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 875-883.	1.1	21
68	Bis(dialkylphosphino)ferrocene-Ligated Nickel(II) Precatalysts for Suzuki—Miyaura Reactions of Aryl Carbonates. <i>Organometallics</i> , 2019, 38, 3377-3387.	1.1	21
69	H_2 and N_2 Activation at Redox-Active Pyridine Complexes of Iron. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1069-1072.	7.2	20
70	Selective Conversion of CO_2 into Isocyanate by Low-Coordinate Iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6507-6511.	7.2	20
71	Modifications to the Aryl Group of dppf-Ligated $Ni(II)$ -Aryl Precatalysts: Impact on Speciation and Catalytic Activity in Suzuki—Miyaura Coupling Reactions. <i>Organometallics</i> , 2018, 37, 3943-3955.	1.1	20
72	Intramolecular Electrostatic Effects on O_2 , CO_2 , and Acetate Binding to a Cationic Iron Porphyrin. <i>Inorganic Chemistry</i> , 2020, 59, 17402-17414.	1.9	20

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73	Carbon–Carbon Bond-Forming Reactions of α -Thioaryl Carbonyl Compounds for the Synthesis of Complex Heterocyclic Molecules. <i>Journal of Organic Chemistry</i> , 2012, 77, 160-172.	1.7	19
74	Chemical Oxidation of a Coordinated PNP-Pincer Ligand Forms Unexpected Reversible Nitroxide Complexes with Reversal of Nitride Reactivity. <i>Inorganic Chemistry</i> , 2019, 58, 10791-10801.	1.9	19
75	Catalytic Oxygen Evolution from Manganese Complexes with an Oxidation-Resistant N,N-Donor Ligand. <i>ChemPlusChem</i> , 2016, 81, 1129-1132.	1.3	18
76	α -Aminoethanol Extraction as a Method for Purifying Sc^{3+} and for Differentiating Classes of Endohedral Fullerenes on the Basis of Reactivity. <i>Chemistry - A European Journal</i> , 2015, 21, 17035-17043.	1.7	17
77	A Dinuclear Iridium(V,V) Oxo-Bridged Complex Characterized Using a Bulk Electrolysis Technique for Crystallizing Highly Oxidizing Compounds. <i>Inorganic Chemistry</i> , 2018, 57, 5684-5691.	1.9	17
78	The influences of carbon donor ligands on biomimetic multi-iron complexes for N_2 reduction. <i>Chemical Science</i> , 2020, 11, 12710-12720.	3.7	17
79	α -Alkyloxazolochlorins: Revisiting the Ozonation of Octaalkylporphyrins, and Beyond. <i>Chemistry - A European Journal</i> , 2016, 22, 11706-11718.	1.7	16
80	Iron and Cobalt Diazoalkane Complexes Supported by α -Diketiminato Ligands: A Synthetic, Spectroscopic, and Computational Investigation. <i>Inorganic Chemistry</i> , 2018, 57, 5959-5972.	1.9	15
81	Masked Radicals: Iron Complexes of Trityl, Benzophenone, and Phenylacetylene. <i>Organometallics</i> , 2019, 38, 4224-4232.	1.1	15
82	A $[\text{2Fe}^{1\text{S}}]$ Complex That Affords Access to Bimetallic and Higher-Nuclearity Iron–Sulfur Clusters. <i>Inorganic Chemistry</i> , 2019, 58, 8829-8834.	1.9	15
83	Mechanistic Study of Alkene Hydrosilylation Catalyzed by a α -Dialdiminato Cobalt(I) Complex. <i>Organometallics</i> , 2020, 39, 2415-2424.	1.1	15
84	Concerted proton-electron transfer oxidation of phenols and hydrocarbons by a high-valent nickel complex. <i>Chemical Science</i> , 2020, 11, 1683-1690.	3.7	14
85	All Four Atropisomers of Iron Tetra(<i>o</i> - <i>N</i> , <i>N</i> , <i>N</i> -trimethylanilinium)porphyrin in Both the Ferric and Ferrous States. <i>Inorganic Chemistry</i> , 2021, 60, 5240-5251.	1.9	14
86	Controlling the Conformational Energy of a Phenyl Group by Tuning the Strength of a Nonclassical $\text{CH}\cdots\text{O}$ Hydrogen Bond: The Case of 5-Phenyl-1,3-dioxane. <i>Journal of Organic Chemistry</i> , 2016, 81, 12116-12127.	1.7	13
87	Synthesis and Reactivity of Iron Complexes with a Biomimetic SCS Pincer Ligand. <i>Inorganic Chemistry</i> , 2021, 60, 1965-1974.	1.9	13
88	Control of Catalyst Isomers Using an <i>N</i> -Phenyl-Substituted $\text{RN}(\text{CH}_2)_2\text{CH}_2\text{P}(\text{Pr})_2$ Pincer Ligand in CO_2 Hydrogenation and Formic Acid Dehydrogenation. <i>Inorganic Chemistry</i> , 2022, 61, 643-656.	1.9	13
89	Structural insights into $[\text{Co}_4\text{O}_4(\text{C}_5\text{H}_5\text{N})_4(\text{CH}_3\text{CO}_2)_4]^+$, a rare Co(IV)-containing cuboidal complex. <i>Polyhedron</i> , 2013, 64, 304-307.	1.0	12
90	Synthesis of pyridine-alkoxide ligands for formation of polynuclear complexes. <i>New Journal of Chemistry</i> , 2017, 41, 6709-6719.	1.4	12

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91	Bacterial Autoimmune Drug Metabolism Transforms an Immunomodulator into Structurally and Functionally Divergent Antibiotics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7871-7880.	7.2	12
92	Electronic and Spin-State Effects on Dinitrogen Splitting to Nitrides in a Rhenium Pincer System. <i>Inorganic Chemistry</i> , 2021, 60, 6115-6124.	1.9	12
93	Accessing Molecular Dimeric Ir Water Oxidation Catalysts from Coordination Precursors. <i>Inorganic Chemistry</i> , 2021, 60, 14349-14356.	1.9	12
94	Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,O-Donor Organic Ligand. <i>Angewandte Chemie</i> , 2017, 129, 13227-13231.	1.6	11
95	Structure and Reactivity of Highly Twisted <i>N</i> -Acylimidazoles. <i>Organic Letters</i> , 2019, 21, 2346-2351.	2.4	11
96	Cobalt(III)-Catalyzed Diastereoselective Three-Component C-H Bond Addition to Butadiene and Activated Ketones. <i>Synthesis</i> , 2020, 52, 1239-1246.	1.2	11
97	Understanding the Reactivity and Decomposition of a Highly Active Iron Pincer Catalyst for Hydrogenation and Dehydrogenation Reactions. <i>ACS Catalysis</i> , 2021, 11, 10631-10646.	5.5	11
98	Facile conversion of ammonia to a nitride in a rhenium system that cleaves dinitrogen. <i>Chemical Science</i> , 2022, 13, 4010-4018.	3.7	11
99	Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp ²)-C(sp ³) Coupling Reactions. <i>Angewandte Chemie</i> , 2019, 131, 6155-6159.	1.6	10
100	Surprisingly big linker-dependence of activity and selectivity in CO ₂ reduction by an iridium(<i>scp</i>) pincer complex. <i>Chemical Communications</i> , 2020, 56, 9126-9129.	2.2	10
101	Catalysis-Enabled Access to Cryptic Geldanamycin Oxides. <i>ACS Central Science</i> , 2020, 6, 426-435.	5.3	10
102	Stereoselective Synthesis of Allenyl Alcohols by Cobalt(III)-Catalyzed Sequential C-H Bond Addition to 1,3-Enynes and Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
103	Stereogenic $\hat{\pm}$ -carbons determine the shape and topology of [13]-macrodilactones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5086-5089.	1.5	9
104	Rules of Macrocyclic Topology: A [13]-Macrodilactone Case Study. <i>Chemistry - A European Journal</i> , 2016, 22, 6001-6011.	1.7	9
105	A Stereodynamic Redox-Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinone-Quinone Hybrid Dihydrobenzofurans. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15107-15111.	7.2	9
106	Chirality-matched catalyst-controlled macrocyclization reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
107	Ligand and solvent effects on CO ₂ insertion into group 10 metal alkyl bonds. <i>Chemical Science</i> , 2022, 13, 2391-2404.	3.7	9
108	ENDOR characterization of an iron-alkene complex provides insight into a corresponding organometallic intermediate of nitrogenase. <i>Chemical Science</i> , 2017, 8, 5941-5948.	3.7	8

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109	N,N,O Pincer Ligand with a Deprotonatable Site That Promotes Redox Leveling, High Mn Oxidation States, and a Mn 2 O 2 Dimer Competent for Catalytic Oxygen Evolution. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2115-2123.	1.0	8
110	A single crystal X-ray diffraction study of a fully ordered cocrystal of pristine Sc ₃ N@D ₃ h(5)@C ₇₈ . <i>Polyhedron</i> , 2013, 58, 129-133.	1.0	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. <i>Journal of Organometallic Chemistry</i> , 2017, 830, 74-84.	0.8	7
112	Synthesis and Mechanism of Formation of Hydride-Sulfide Complexes of Iron. <i>Inorganic Chemistry</i> , 2017, 56, 9185-9193.	1.9	7
113	Selective Conversion of CO ₂ into Isocyanate by Low-Coordinate Iron Complexes. <i>Angewandte Chemie</i> , 2018, 130, 6617-6621.	1.6	7
114	Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. <i>Journal of Organic Chemistry</i> , 2019, 84, 1664-1672.	1.7	7
115	Rh(III)-Catalyzed Imidoyl C-H Carbamylation and Cyclization to Bicyclic [1,3,5]Triazinones. <i>Organic Letters</i> , 2020, 22, 8993-8997.	2.4	7
116	Dehydrogenative Synthesis of Carbamates from Formamides and Alcohols Using a Pincer-Supported Iron Catalyst. <i>ACS Catalysis</i> , 2021, 11, 10614-10624.	5.5	7
117	Iron, Cobalt, and Nickel Complexes Supported by a iPrPNPhP Pincer Ligand. <i>Organometallics</i> , 0, , .	1.1	7
118	Iron Complexes of a Proton-Responsive SCS Pincer Ligand with a Sensitive Electronic Structure. <i>Inorganic Chemistry</i> , 2022, 61, 1644-1658.	1.9	7
119	Crystal structure of the thermochromic bis(diethylammonium) tetrachloridocuprate(II) complex. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 40-43.	0.2	6
120	C-H and C-N Activation at Redox-Active Pyridine Complexes of Iron. <i>Angewandte Chemie</i> , 2017, 129, 1089-1092.	1.6	6
121	Copper(I) SNS pincer complexes: Impact of ligand design and solvent coordination on conformer interconversion from spectroscopic and computational studies. <i>Inorganica Chimica Acta</i> , 2019, 495, 118996.	1.2	6
122	Effect of Remote Aryl Substituents on the Conformational Equilibria of 2,2-Diaryl-1,3-dioxanes: Importance of Electrostatic Interactions. <i>Journal of Organic Chemistry</i> , 2015, 80, 4108-4115.	1.7	5
123	pH Driven Hydrothermal Syntheses of Neodymium Sulfites and Mixed Sulfate-Sulfites. <i>Crystal Growth and Design</i> , 2018, 18, 5332-5341.	1.4	5
124	Development of a Convergent Enantioselective Synthetic Route to (R)-Myrocin G. <i>Journal of Organic Chemistry</i> , 2020, 85, 8952-8989.	1.7	5
125	Organometallic Iridium Complex Containing a Dianionic, Tridentate, Mixed Organic-Inorganic Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 8121-8129.	1.9	4
126	Spin States, Bonding and Magnetism in Mixed-Valence Iron(0)-Iron(II) Complexes**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4

#	ARTICLE	IF	CITATIONS
127	Facile solvolysis of a surprisingly twisted tertiary amide. <i>New Journal of Chemistry</i> , 2016, 40, 1974-1981.	1.4	3
128	A Stereodynamic Redox-Interconversion Network of Vicinal Tertiary and Quaternary Carbon Stereocenters in Hydroquinone-Quinone Hybrid Dihydrobenzofurans. <i>Angewandte Chemie</i> , 2018, 130, 15327-15331.	1.6	3
129	Synthesis of organometallic pincer-supported cobalt(II) complexes. <i>Polyhedron</i> , 2020, 177, 114308.	1.0	3
130	Bacterial Autoimmune Drug Metabolism Transforms an Immunomodulator into Structurally and Functionally Divergent Antibiotics. <i>Angewandte Chemie</i> , 2020, 132, 7945-7954.	1.6	3
131	Structural and Thermodynamic Effects on the Kinetics of C-H Oxidation by Multisite Proton-Coupled Electron Transfer in Fluorenyl Benzoates. <i>Journal of Organic Chemistry</i> , 2022, , .	1.7	3
132	Distortional Effects of Noncovalent Interactions in the Crystal Lattice of a Cp*Ir(III) Acylhydroxamic Acid Complex: A Joint Experimental-Computational Study. <i>Organometallics</i> , 2014, 33, 4417-4424.	1.1	2
133	Formation of Aminocyclopentadienes from Silyldihydropyridines: Ring Contractions Driven by Anion Stabilization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6605-6609.	7.2	2
134	Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds. <i>Inorganica Chimica Acta</i> , 2019, 484, 75-78.	1.2	2
135	Stereoselective Synthesis of Allenyl Alcohols by Cobalt(III)-Catalyzed Sequential C-H Bond Addition to 1,3-Enynes and Aldehydes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
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137	Synthesis and Prior Misidentification of 4-tert-Butyl-2,6-dinitrobenzaldehyde. <i>Journal of Organic Chemistry</i> , 2019, 84, 12172-12176.	1.7	1
138	Distorted Copper(II) Complex with Unusually Short CF ₃ -Cu Distances. <i>Inorganic Chemistry</i> , 2021, 60, 14759-14764.	1.9	1
139	Correlative vibrational spectroscopy and 2D X-ray diffraction to probe the mineralization of bone in phosphate-deficient mice. <i>Journal of Applied Crystallography</i> , 2019, 52, 960-971.	1.9	1
140	The tropolone-isobutylamine complex: a hydrogen-bonded troponoid without dominant H-bond interactions. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 730-737.	0.2	0
141	Formation of Aminocyclopentadienes from Silyldihydropyridines: Ring Contractions Driven by Anion Stabilization. <i>Angewandte Chemie</i> , 2018, 130, 6715-6719.	1.6	0
142	Structures of three disubstituted [13]-macrolactones reveal effects of substitution on macrocycle conformation. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1617-1623.	0.2	0