

# Theodor Agapie

## List of Publications by Year in descending order

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123  
papers

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128  
docs citations

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times ranked

6312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular tuning of CO <sub>2</sub> -to-ethylene conversion. <i>Nature</i> , 2020, 577, 509-513.	27.8	682
2	A Synthetic Model of the Mn <sub>3</sub> Ca Subsite of the Oxygen-Evolving Complex in Photosystem II. <i>Science</i> , 2011, 333, 733-736.	12.6	516
3	Molecular enhancement of heterogeneous CO <sub>2</sub> reduction. <i>Nature Materials</i> , 2020, 19, 266-276.	27.5	416
4	Selective ethylene oligomerization: Recent advances in chromium catalysis and mechanistic investigations. <i>Coordination Chemistry Reviews</i> , 2011, 255, 861-880.	18.8	337
5	Mechanistic Studies of the Ethylene Trimerization Reaction with Chromium <sup>II</sup> Diphosphine Catalysts: Experimental Evidence for a Mechanism Involving Metallacyclic Intermediates. <i>Journal of the American Chemical Society</i> , 2004, 126, 1304-1305.	13.7	289
6	Redox-inactive metals modulate the reduction potential in heterometallic manganese <sup>II</sup> oxido clusters. <i>Nature Chemistry</i> , 2013, 5, 293-299.	13.6	289
7	CO <sub>2</sub> Reduction Selective for C <sub>2</sub> Products on Polycrystalline Copper with N-Substituted Pyridinium Additives. <i>ACS Central Science</i> , 2017, 3, 853-859.	11.3	226
8	Reduction potentials of heterometallic manganese <sup>II</sup> oxido cubane complexes modulated by redox-inactive metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10084-10088.	7.1	179
9	Mechanistic Studies of Olefin and Alkyne Trimerization with Chromium Catalysts: Deuterium Labeling and Studies of Regiochemistry Using a Model Chromacyclopentane Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 14281-14295.	13.7	174
10	Bimetallic Coordination Insertion Polymerization of Unprotected Polar Monomers: Copolymerization of Amino Olefins and Ethylene by Dinickel Bisphenoxyiminato Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 3784-3787.	13.7	166
11	Cascade CO <sub>2</sub> electroreduction enables efficient carbonate-free production of ethylene. <i>Joule</i> , 2021, 5, 706-719.	24.0	158
12	Nickel-Mediated Hydrogenolysis of C=O Bonds of Aryl Ethers: What Is the Source of the Hydrogen?. <i>Journal of the American Chemical Society</i> , 2012, 134, 5480-5483.	13.7	142
13	Synthesis and C-C Coupling Reactivity of a Dinuclear Ni <sup>I</sup> Ni <sup>I</sup> Complex Supported by a Terphenyl Diphosphine. <i>Journal of the American Chemical Society</i> , 2010, 132, 6296-6297.	13.7	136
14	Synthetic Cluster Models of Biological and Heterogeneous Manganese Catalysts for O <sub>2</sub> -Evolution. <i>Inorganic Chemistry</i> , 2013, 52, 13833-13848.	4.0	134
15	Toward Models for the Full Oxygen-Evolving Complex of Photosystem II by Ligand Coordination To Lower the Symmetry of the Mn <sub>3</sub> CaO <sub>4</sub> Cubane: Demonstration That Electronic Effects Facilitate Binding of a Fifth Metal. <i>Journal of the American Chemical Society</i> , 2014, 136, 14373-14376.	13.7	121
16	High-Rate and Efficient Ethylene Electrosynthesis Using a Catalyst/Promoter/Transport Layer. <i>ACS Energy Letters</i> , 2020, 5, 2811-2818.	17.4	106
17	In-situ Nanostructuring and Stabilization of Polycrystalline Copper by an Organic Salt Additive Promotes Electrocatalytic CO <sub>2</sub> Reduction to Ethylene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16952-16958.	13.8	103
18	Oxygen Atom Transfer and Oxidative Water Incorporation in Cuboidal Mn <sub>3</sub> MO <sub>n</sub> Complexes Based on Synthetic, Isotopic Labeling, and Computational Studies. <i>Journal of the American Chemical Society</i> , 2013, 135, 1073-1082.	13.7	95

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19	Molybdenum Catalyzed Ammonia Borane Dehydrogenation: Oxidation State Specific Mechanisms. <i>Journal of the American Chemical Society</i> , 2014, 136, 11272-11275.	13.7	92
20	Four-electron deoxygenative reductive coupling of carbon monoxide at a single metal site. <i>Nature</i> , 2016, 529, 72-75.	27.8	92
21	Bimetallic Effects on Ethylene Polymerization in the Presence of Amines: Inhibition of the Deactivation by Lewis Bases. <i>Journal of the American Chemical Society</i> , 2012, 134, 1478-1481.	13.7	87
22	Heterometallic Triiron-Oxo/Hydroxo Clusters: Effect of Redox-Inactive Metals. <i>Journal of the American Chemical Society</i> , 2013, 135, 19075-19078.	13.7	82
23	Zirconium and Titanium Complexes Supported by Tridentate $LX_2$ Ligands Having Two Phenolates Linked to Furan, Thiophene, and Pyridine Donors: Precatalysts for Propylene Polymerization and Oligomerization. <i>Organometallics</i> , 2008, 27, 6245-6256.	2.3	79
24	Methine (CH) Transfer via a Chlorine Atom Abstraction/Benzene-Elimination Strategy: A Molybdenum Methyldiyne Synthesis and Elaboration to a Phosphaisocyanide Complex. <i>Journal of the American Chemical Society</i> , 2002, 124, 2412-2413.	13.7	77
25	Nickel Hydrides Supported by a Non-Innocent Diphosphine Arene Pincer: Mechanistic Studies of Nickel-Arene H-Migration and Partial Arene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2011, 133, 3828-3831.	13.7	71
26	Trinucleating Copper: Synthesis and Magnetostructural Characterization of Complexes Supported by a Hexapyridyl 1,3,5-triarylbenzene Ligand. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1668-1672.	13.8	70
27	Investigations of the Effect of the Non-Manganese Metal in Heterometallic-Oxido Cluster Models of the Oxygen Evolving Complex of Photosystem II: Lanthanides as Substitutes for Calcium. <i>Inorganic Chemistry</i> , 2015, 54, 59-64.	4.0	69
28	Dramatic HER Suppression on Ag Electrodes via Molecular Films for Highly Selective $CO_2$ to CO Reduction. <i>ACS Catalysis</i> , 2021, 11, 4530-4537.	11.2	61
29	Combination of Redox-Active Ligand and Lewis Acid for Dioxygen Reduction with $\pi$ -Bound Molybdenum-Quinonoid Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 1458-1464.	13.7	60
30	Dipalladium(II) Terphenyl Diphosphine Complexes as Models for Two-Site Adsorption and Activation of Organic Molecules. <i>Journal of the American Chemical Society</i> , 2013, 135, 15830-15840.	13.7	57
31	Lewis Acid Enhancement of Proton Induced $CO_2$ Cleavage: Bond Weakening and Ligand Residence Time Effects. <i>Journal of the American Chemical Society</i> , 2018, 140, 10121-10125.	13.7	56
32	Mechanism of Molybdenum-Mediated Carbon Monoxide Deoxygenation and Coupling: Mono- and Dicarbyne Complexes Precede C=O Bond Cleavage and C-C Bond Formation. <i>Journal of the American Chemical Society</i> , 2016, 138, 16466-16477.	13.7	53
33	Trinuclear first row transition metal complexes of a hexapyridyl, trialkoxy 1,3,5-triarylbenzene ligand. <i>Chemical Communications</i> , 2011, 47, 4189.	4.1	52
34	Dinickel Bisphenoxyiminato Complexes for the Polymerization of Ethylene and $\alpha$ -Olefins. <i>Organometallics</i> , 2012, 31, 2231-2243.	2.3	52
35	Tetranuclear Manganese Models of the OEC Displaying Hydrogen Bonding Interactions: Application to Electrocatalytic Water Oxidation to Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 9108-9111.	13.7	49
36	Efficient Copolymerization of Acrylate and Ethylene with Neutral P, O-Chelated Nickel Catalysts: Mechanistic Investigations of Monomer Insertion and Chelate Formation. <i>Journal of the American Chemical Society</i> , 2021, 143, 6516-6527.	13.7	49

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37	Reversible Halide-Modulated Nickel-Nickel Bond Cleavage: Metal-Metal Bonds as Design Elements for Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7529-7532.	13.8	45
38	Arene C-H Amination at Nickel in Terphenyl-Diphosphine Complexes with Labile Metal-Arene Interactions. <i>Chemistry - A European Journal</i> , 2013, 19, 16453-16460.	3.3	45
39	Radical Scission of Symmetrical 1,4-Dicarbonyl Compounds: C-C Bond Cleavage with Titanium(IV) Enolate Formation and Related Reactions. <i>Organometallics</i> , 2002, 21, 1329-1340.	2.3	43
40	Group 3 Dialkyl Complexes with Tetradentate (L, L, N, O; L = N, O, S) Monoanionic Ligands: Synthesis and Reactivity. <i>Organometallics</i> , 2007, 26, 1178-1190.	2.3	43
41	Role of oxido incorporation and ligand lability in expanding redox accessibility of structurally related Mn <sub>4</sub> clusters. <i>Chemical Science</i> , 2013, 4, 3986.	7.4	40
42	Dioxygen Reactivity with a Ferrocene-Lewis Acid Pairing: Reduction to a Boron Peroxide in the Presence of Tris(pentafluorophenyl)borane. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12893-12896.	13.8	40
43	Metal-templated ligand architectures for trinuclear chemistry: tricopper complexes and their O <sub>2</sub> reactivity. <i>Chemical Science</i> , 2013, 4, 785-790.	7.4	39
44	Bimetallic Zirconium Amine Bis(phenolate) Polymerization Catalysts: Enhanced Activity and Tacticity Control for Polyolefin Synthesis. <i>Organometallics</i> , 2014, 33, 3247-3250.	2.3	39
45	Ca K-Edge XAS as a Probe of Calcium Centers in Complex Systems. <i>Inorganic Chemistry</i> , 2015, 54, 1283-1292.	4.0	39
46	Ethylene Tetramerization Catalysis: Effects of Aluminum-Induced Isomerization of PNP to PPN Ligands. <i>Organometallics</i> , 2017, 36, 1640-1648.	2.3	39
47	Nitric Oxide Activation by Distal Redox Modulation in Tetranuclear Iron Nitrosyl Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 14094-14106.	13.7	37
48	Arene non-innocence in dinuclear complexes of Fe, Co, and Ni supported by a para-terphenyl diphosphine. <i>Chemical Communications</i> , 2014, 50, 4427-4429.	4.1	36
49	Oxidative Coupling with Zr(IV) Supported by a Noninnocent Anthracene-Based Ligand: Application to the Catalytic Cotrimerization of Alkynes and Nitriles to Pyrimidines. <i>Journal of the American Chemical Society</i> , 2018, 140, 11906-11910.	13.7	36
50	Glycerol Oxidation Pairs with Carbon Monoxide Reduction for Low-Voltage Generation of C <sub>2</sub> and C <sub>3</sub> Product Streams. <i>ACS Energy Letters</i> , 2021, 6, 3538-3544.	17.4	36
51	Dioxygen Reduction by a Pd(0)-Hydroquinone Diphosphine Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 3443-3452.	13.7	35
52	Robust Chromium Precursors for Catalysis: Isolation and Structure of a Single-Component Ethylene Tetramerization Precatalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 6022-6029.	13.7	35
53	Intramolecular C-H and C-F Bond Oxygenation Mediated by a Putative Terminal Oxo Species in Tetranuclear Iron Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 1486-1489.	13.7	34
54	Soft x-ray absorption spectroscopy of metalloproteins and high-valent metal-complexes at room temperature using free-electron lasers. <i>Structural Dynamics</i> , 2017, 4, 054307.	2.3	34

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55	Tetranuclear [Mn <sup>III</sup> Mn <sub>3</sub> <sup>IV</sup> O <sub>4</sub> ] Complexes as Spectroscopic Models of the S <sub>2</sub> State of the Oxygen Evolving Complex in Photosystem II. <i>Journal of the American Chemical Society</i> , 2018, 140, 17175-17187.	13.7	34
56	Aryl Ether Cleavage by Group 9 and 10 Transition Metals: Stoichiometric Studies of Selectivity and Mechanism. <i>Organometallics</i> , 2015, 34, 5254-5277.	2.3	33
57	Terminal Molybdenum Phosphides with d Electrons: Radical Character Promotes Coupling Chemistry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14502-14506.	13.8	33
58	CO Coupling Chemistry of a Terminal Mo Carbide: Sequential Addition of Proton, Hydride, and CO Releases Ethenone. <i>Journal of the American Chemical Society</i> , 2019, 141, 15664-15674.	13.7	33
59	Activation of an Open Shell, Carbyne-Bridged Diiron Complex Toward Binding of Dinitrogen. <i>Journal of the American Chemical Society</i> , 2020, 142, 10059-10068.	13.7	33
60	In Pursuit of the Molybdenum(III) Tris(thiolate) Fragment: An Unusual Structure of a Dimolybdenum $\mu_4$ -Nitrido Complex. <i>Inorganic Chemistry</i> , 2000, 39, 174-179.	4.0	32
61	A Thermodynamic Model for Redox-Dependent Binding of Carbon Monoxide at Site-Differentiated, High Spin Iron Clusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 5569-5578.	13.7	29
62	Tuning of Metal Complex Electronics and Reactivity by Remote Lewis Acid Binding to $\pi$ -Coordinated Pyridine Diphosphine Ligands. <i>Organometallics</i> , 2015, 34, 4753-4765.	2.3	28
63	Olefin Polymerization by Dinuclear Zirconium Catalysts Based on Rigid Teraryl Frameworks: Effects on Tacticity and Copolymerization Behavior. <i>Organometallics</i> , 2017, 36, 1915-1928.	2.3	27
64	Breaking Scaling Relationships in CO <sub>2</sub> Reduction on Copper Alloys with Organic Additives. <i>ACS Central Science</i> , 2021, 7, 1756-1762.	11.3	26
65	Carbon dioxide cleavage by a Ni <sup>2+</sup> complex supported by a binucleating bis(N-heterocyclic carbene) framework. <i>Polyhedron</i> , 2014, 84, 103-110.	2.2	25
66	A <i>trans</i> -Hyponitrite Intermediate in the Reductive Coupling and Deoxygenation of Nitric Oxide by a Tricopper <sup>II</sup> Lewis Acid Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 5008-5011.	13.7	25
67	A Terminal Fe <sup>III</sup> "Oxo in a Tetranuclear Cluster: Effects of Distal Metal Centers on Structure and Reactivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 9479-9484.	13.7	25
68	Redox Tuning via Ligand-Induced Geometric Distortions at a YMn <sub>3</sub> O <sub>4</sub> Cubane Model of the Biological Oxygen Evolving Complex. <i>Inorganic Chemistry</i> , 2019, 58, 14998-15003.	4.0	25
69	Trinuclear Nickel Complexes with Metal $\pi$ -Arene Interactions Supported by Tris- and Bis(phosphinoaryl)benzene Frameworks. <i>Organometallics</i> , 2013, 32, 6883-6886.	2.3	24
70	Accelerated Oxygen Atom Transfer and C-H Bond Oxygenation by Remote Redox Changes in Fe <sub>3</sub> Mn $\pi$ -Odosobenzene Adducts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4772-4776.	13.8	23
71	<i>S</i> = 3 Ground State for a Tetranuclear Mn <sup>IV</sup> <sub>4</sub> O <sub>4</sub> Complex Mimicking the S <sub>3</sub> State of the Oxygen-Evolving Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 3753-3761.	13.7	22
72	Stoichiometrically Activated Catalysts for Ethylene Tetramerization using Diphosphinoamine-Ligated Cr Tris(hydrocarbyl) Complexes. <i>Organometallics</i> , 2017, 36, 4107-4110.	2.3	21

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73	Isotopic labelling in ethylene oligomerization: addressing the issue of 1-octene <i>vs.</i> 1-hexene selectivity. Dalton Transactions, 2019, 48, 40-44.	3.3	21
74	Effects of Lewis Acidic Metal Ions (M) on Oxygen-Atom Transfer Reactivity of Heterometallic Mn <sub>3</sub> MO <sub>4</sub> Cubane and Fe <sub>3</sub> MO(OH) and Mn <sub>3</sub> MO(OH) Clusters. Inorganic Chemistry, 2019, 58, 2336-2345.	4.0	21
75	Molecular Mixed-Metal Manganese Oxido Cubanes as Precursors to Heterogeneous Oxygen Evolution Catalysts. Chemistry - A European Journal, 2015, 21, 13420-13430.	3.3	20
76	A CaMn <sub>4</sub> O <sub>2</sub> model of the biological oxygen evolving complex: synthesis via cluster expansion on a low symmetry ligand. Chemical Communications, 2017, 53, 6832-6835.	4.1	20
77	In-situ Nanostructuring and Stabilization of Polycrystalline Copper by an Organic Salt Additive Promotes Electrocatalytic CO <sub>2</sub> Reduction to Ethylene. Angewandte Chemie, 2019, 131, 17108-17114.	2.0	20
78	Effect of the Mn Oxidation State on Single-Molecule-Magnet Properties: Mn <sup>III</sup> vs Mn <sup>IV</sup> in Biologically Inspired DyMn <sub>3</sub> O <sub>4</sub> Cubanes. Inorganic Chemistry, 2016, 55, 6095-6099.	4.0	19
79	Thermodynamics of Proton and Electron Transfer in Tetranuclear Clusters with Mn <sup>IV</sup> -OH <sub>2</sub> /OH Motifs Relevant to H <sub>2</sub> O Activation by the Oxygen Evolving Complex in Photosystem II. Journal of the American Chemical Society, 2018, 140, 10900-10908.	13.7	19
80	A Low-Valent Molybdenum Nitride Complex: Reduction Promotes Carbonylation Chemistry. Angewandte Chemie - International Edition, 2018, 57, 9670-9674.	13.8	19
81	How calcium affects oxygen formation. Nature, 2014, 513, 495-496.	27.8	18
82	Modulation of Proton-Coupled Electron Transfer through Molybdenum-Quinonoid Interactions. Inorganic Chemistry, 2016, 55, 5337-5342.	4.0	18
83	Lewis Acid Accelerated Aryl Ether Bond Cleavage with Nickel: Orders of Magnitude Rate Enhancement Using AlMe <sub>3</sub> . Chemistry - A European Journal, 2016, 22, 17173-17176.	3.3	18
84	Copolymerization of Ethylene and Long-Chain Functional $\alpha$ -Olefins by Dinuclear Zirconium Catalysts. Organometallics, 2021, 40, 1854-1858.	2.3	18
85	Heterometallic Effects in Trinuclear Complexes Supported by p-Terphenyl Diphosphine Ligands. Organometallics, 2015, 34, 4429-4432.	2.3	16
86	Tetranuclear Fe Clusters with a Varied Interstitial Ligand: Effects on the Structure, Redox Properties, and Nitric Oxide Activation. Inorganic Chemistry, 2017, 56, 13360-13367.	4.0	16
87	Molecular Mimics of Heterogeneous Metal Phosphides: Thermochemistry, Hydride-Proton Isomerism, and HER Reactivity. Angewandte Chemie - International Edition, 2018, 57, 16329-16333.	13.8	16
88	Calcium Valence-to-Core X-ray Emission Spectroscopy: A Sensitive Probe of Oxo Protonation in Structural Models of the Oxygen-Evolving Complex. Inorganic Chemistry, 2019, 58, 16292-16301.	4.0	15
89	Terminal Molybdenum Phosphides with d Electrons: Radical Character Promotes Coupling Chemistry. Angewandte Chemie, 2017, 129, 14694-14698.	2.0	14
90	CaMn <sub>3</sub> <sup>IV</sup> O <sub>4</sub> Cubane Models of the Oxygen-Evolving Complex: Spin Ground States $S=9/2$ and the Effect of Oxo Protonation. Angewandte Chemie - International Edition, 2021, 60, 17671-17679.	13.8	14

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91	Highly Active and Thermally Robust Nickel Enolate Catalysts for the Synthesis of Ethylene- $\alpha$ -Acrylate Copolymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
92	Intramolecular Arene C-H to C-P Functionalization Mediated by Nickel(II) and Palladium(II). <i>Organometallics</i> , 2013, 32, 3161-3164.	2.3	13
93	Intramolecular C-H and C-F Bond Oxygenation by Site-Differentiated Tetranuclear Manganese Models of the OEC. <i>Inorganic Chemistry</i> , 2017, 56, 9044-9054.	4.0	13
94	Remote Ligand Modifications Tune Electronic Distribution and Reactivity in Site-Differentiated, High-Spin Iron Clusters: Flipping Scaling Relationships. <i>Inorganic Chemistry</i> , 2019, 58, 15971-15982.	4.0	13
95	Mixed-Valent Diiron $\frac{1}{4}$ -Carbyne, $\frac{1}{4}$ -Hydride Complexes: Implications for Nitrogenase. <i>Journal of the American Chemical Society</i> , 2020, 142, 18795-18813.	13.7	13
96	Controlling Singlet Fission with Coordination Chemistry-Induced Assembly of Dipyridyl Pyrrole Bipentacenes. <i>ACS Central Science</i> , 2020, 6, 2088-2096.	11.3	13
97	Partial synthetic models of FeMoco with sulfide and carbyne ligands: Effect of interstitial atom in nitrogenase active site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
98	Selectivity of C-H versus C-F Bond Oxygenation by Homo- and Heterometallic $\text{Fe}_{3-4}$ , $\text{Fe}_{3-4}\text{Mn}$ , and $\text{Mn}_{3-4}$ Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 10744-10748.	3.3	12
99	Dioxygen Reactivity with a Ferrocene-Lewis Acid Pairing: Reduction to a Boron Peroxide in the Presence of Tris(pentafluorophenyl)borane. <i>Angewandte Chemie</i> , 2014, 126, 13107-13110.	2.0	10
100	Gastight Hydrodynamic Electrochemistry: Design for a Hermetically Sealed Rotating Disk Electrode Cell. <i>Analytical Chemistry</i> , 2017, 89, 581-585.	6.5	10
101	Characterization of Cr-Hydrocarbyl Species via Pulse EPR in the Study of Ethylene Tetramerization Catalysis. <i>Organometallics</i> , 2020, 39, 4420-4429.	2.3	10
102	Terminal, Open-Shell Mo Carbide and Carbyne Complexes: Spin Delocalization and Ligand Noninnocence. <i>Journal of the American Chemical Society</i> , 2021, 143, 13091-13102.	13.7	10
103	Early Metal Di(pyridyl) Pyrrolide Complexes with Second Coordination Sphere Arene- $\pi$ Interactions: Ligand Binding and Ethylene Polymerization. <i>ACS Omega</i> , 2019, 4, 15879-15892.	3.5	7
104	A hemilabile diphosphine pyridine pincer ligand: $\sigma$ - and $\pi$ -binding in molybdenum coordination complexes. <i>Polyhedron</i> , 2020, 187, 114631.	2.2	7
105	Terminal Mo Carbide and Carbyne Reactivity: $\text{H}_2$ Cleavage, $\text{B}=\text{C}$ Bond Activation, and C-C Coupling. <i>Organometallics</i> , 2021, 40, 2881-2887.	2.3	6
106	Molecular Coatings Improve the Selectivity and Durability of $\text{CO}_2$ Reduction Chalcogenide Photocathodes. <i>ACS Energy Letters</i> , 2022, 7, 1195-1201.	17.4	6
107	Metallomacrocycles as ligands: synthesis and characterisation of aluminium-bridged bisglyoximate complexes of palladium and iron. <i>Dalton Transactions</i> , 2012, 41, 8086.	3.3	5
108	Ligand architecture for triangular metal complexes: a high oxidation state $\text{Ni}_3$ cluster with proximal metal arrangement. <i>Chemical Communications</i> , 2020, 56, 11279-11282.	4.1	5

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109	Heterometallic uranium/molybdenum nitride synthesis <i>via</i> partial N-atom transfer. <i>Chemical Communications</i> , 2022, 58, 4655-4658.	4.1	5
110	Phosphine-Phenoxide Nickel Catalysts for Ethylene/Acrylate Copolymerization: Olefin Coordination and Complex Isomerization Studies Relevant to the Mechanism of Catalysis. <i>Organometallics</i> , 2022, 41, 2119-2131.	2.3	5
111	Hydrogen Evolution Catalyzed by Aluminum-Bridged Cobalt Diglyoximate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3840-3845.	2.0	4
112	Molecular Mimics of Heterogeneous Metal Phosphides: Thermochemistry, Hydride-Proton Isomerism, and HER Reactivity. <i>Angewandte Chemie</i> , 2018, 130, 16567-16571.	2.0	4
113	Carbon Dioxide Reduction with Dihydrogen and Silanes at Low-Valent Molybdenum Terphenyl Diphosphine Complexes: Reductant Identity Dictates Mechanism. <i>ACS Catalysis</i> , 2021, 11, 13294-13302.	11.2	4
114	Accelerated Oxygen Atom Transfer and C-H Bond Oxygenation by Remote Redox Changes in Fe <sup>3</sup> Mn-tetrasobenzene Adducts. <i>Angewandte Chemie</i> , 2017, 129, 4850-4854.	2.0	3
115	Mild electrochemical synthesis of metal phosphides with dibenzo-7-phosphanorbornadiene derivatives: mechanistic insights and application to proton reduction in water. <i>Chemical Communications</i> , 2018, 54, 767-770.	4.1	2
116	Molybdenum-Mediated Coupling of Carbon Monoxide to a C <sub>3</sub> Product on a Single Metal Site. <i>Inorganic Chemistry</i> , 2022, 61, 7710-7714.	4.0	2
117	Mn <sup>IV</sup> O <sub>4</sub> Model of the S <sub>3</sub> Intermediate of the Oxygen-Evolving Complex: Effect of the Dianionic Disiloxide Ligand. <i>Inorganic Chemistry</i> , 2023, 62, 1791-1796.	4.0	2
118	CaMn <sub>3</sub> IVO <sub>4</sub> Cubane Models of the Oxygen-Evolving Complex: Spin Ground States S <sub>9/2</sub> and the Effect of Oxo Protonation. <i>Angewandte Chemie</i> , 2021, 133, 17812-17820.	2.0	1
119	Probing Redox Non-Innocence in Iron-carbene ( $\{Fe=C(H)Ar\}10\epsilon 11$ ) Complexes by 1,2H and 13C Pulse EPR. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27220.	13.8	1
120	Highly Active and Thermally Robust Nickel Enolate Catalysts for the Synthesis of Ethylene-Acrylate Copolymers. <i>Angewandte Chemie</i> , 0, , .	2.0	1
121	Hydrogen Evolution Catalyzed by Aluminum-Bridged Cobalt Diglyoximate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3728-3728.	2.0	0
122	A Low-Valent Molybdenum Nitride Complex: Reduction Promotes Carbonylation Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 9818-9822.	2.0	0
123	Probing Redox Non-Innocence in Iron-carbene ( $\{Fe=C(H)Ar\}10\epsilon 11$ ) Complexes by 1,2H and 13C Pulse EPR. <i>Angewandte Chemie</i> , 2021, 133, 27426.	2.0	0