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List of Publications by Year in descending order

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1,418
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394421

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times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination-induced weakening of ammonia, water, and hydrazine N-H bonds in a molybdenum complex. <i>Science</i> , 2016, 354, 730-733.	12.6	165
2	Cobalt-Catalyzed 1,1-Diboration of Terminal Alkynes: Scope, Mechanism, and Synthetic Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 3868-3875.	13.7	132
3	C(sp ²)-H Borylation of Fluorinated Arenes Using an Air-Stable Cobalt Precatalyst: Electronically Enhanced Site Selectivity Enables Synthetic Opportunities. <i>Journal of the American Chemical Society</i> , 2017, 139, 2825-2832.	13.7	107
4	Ni(I)-X Complexes Bearing a Bulky π -Diimine Ligand: Synthesis, Structure, and Superior Catalytic Performance in the Hydrogen Isotope Exchange in Pharmaceuticals. <i>Journal of the American Chemical Society</i> , 2019, 141, 5034-5044.	13.7	92
5	Ammonia Activation, H ₂ Evolution and Nitride Formation from a Molybdenum Complex with a Chemically and Redox Noninnocent Ligand. <i>Journal of the American Chemical Society</i> , 2017, 139, 6110-6113.	13.7	78
6	Expanding Boundaries: N ₂ Cleavage and Functionalization beyond Early Transition Metals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7892-7896.	13.8	76
7	Selective [1,4]-Hydrovinylation of 1,3-Dienes with Unactivated Olefins Enabled by Iron Diimine Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 3443-3453.	13.7	75
8	Insight into Transmetalation Enables Cobalt-Catalyzed Suzuki-Miyaura Cross Coupling. <i>ACS Central Science</i> , 2016, 2, 935-942.	11.3	74
9	Cobalt-Catalyzed C(sp ²)-H Borylation with an Air-Stable, Readily Prepared Terpyridine Cobalt(II) Bis(acetate) Precatalyst. <i>Organometallics</i> , 2017, 36, 142-150.	2.3	73
10	Hydrogenation of <i>N</i> -Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 17900-17908.	13.7	65
11	Terpyridine Molybdenum Dinitrogen Chemistry: Synthesis of Dinitrogen Complexes That Vary by Five Oxidation States. <i>Inorganic Chemistry</i> , 2016, 55, 3117-3127.	4.0	49
12	Ruthenium(II) Complexes Bearing a Naphthalimide Fragment: A Modular Dye Platform for the Dye-Sensitized Solar Cell. <i>Inorganic Chemistry</i> , 2013, 52, 3001-3006.	4.0	47
13	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerization-Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. <i>ACS Catalysis</i> , 2019, 9, 9034-9044.	11.2	40
14	Interconversion of Molybdenum Imido and Amido Complexes by Proton-Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2224-2228.	13.8	39
15	Pyridine(diimine) Molybdenum-Catalyzed Hydrogenation of Arenes and Hindered Olefins: Insights into Precatalyst Activation and Deactivation Pathways. <i>ACS Catalysis</i> , 2018, 8, 5276-5285.	11.2	35
16	A chemiresistive methane sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
17	Determining and Understanding N-H Bond Strengths in Synthetic Nitrogen Fixation Cycles. <i>Topics in Organometallic Chemistry</i> , 2017, , 1-21.	0.7	27
18	Dinitrogen Coupling to a Terpyridine-Molybdenum Chromophore Is Switched on by Fermi Resonance. <i>CheM</i> , 2019, 5, 402-416.	11.7	27

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19	A fresh approach to synthesizing ammonia from air and water. <i>Nature</i> , 2019, 568, 464-466.	27.8	22
20	Synthesis and Reactivity of Reduced δ^2 -Diimine Nickel Complexes Relevant to Acrylic Acid Synthesis. <i>Organometallics</i> , 2018, 37, 3389-3393.	2.3	21
21	Grenzen erweitern: Spaltung und Funktionalisierung von N_2 jenseits von d^8 und d^9 Übergangsmetallen. <i>Angewandte Chemie</i> , 2016, 128, 8022-8026.	2.0	20
22	Synthesis and Reactivity of Pyridine(δ^2 -diimine) Molybdenum Olefin Complexes: Ethylene Dimerization and Alkene Dehydrogenation. <i>Organometallics</i> , 2017, 36, 4215-4223.	2.3	18
23	Proton-Coupled Electron Transfer to a Molybdenum Ethylene Complex Yields a δ^2 -Agostic Ethyl: Structure, Dynamics and Mechanism. <i>Journal of the American Chemical Society</i> , 2018, 140, 13817-13826.	13.7	18
24	Thermodynamics of $N-H$ bond formation in bis(phosphine) molybdenum(δ^2) diazenides and the influence of the trans ligand. <i>Dalton Transactions</i> , 2016, 45, 15922-15930.	3.3	14
25	Trace Hydrogen Sulfide Sensing Inspired by Polyoxometalate-Mediated Aerobic Oxidation. <i>ACS Central Science</i> , 2021, 7, 1572-1580.	11.3	14
26	Ultrafast Photophysics of a Dinitrogen-Bridged Molybdenum Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 6298-6307.	13.7	13
27	Pyridine(δ^2 -diimine) Chelate Hydrogenation in a Molybdenum Nitrido Ethylene Complex. <i>Organometallics</i> , 2019, 38, 1682-1687.	2.3	13
28	Synthesis of Cationic, Dimeric δ^2 -Diimine Nickel Hydride Complexes and Relevance to the Polymerization of Olefins. <i>Organometallics</i> , 2020, 39, 2630-2635.	2.3	12
29	Interconversion of Molybdenum Imido and Amido Complexes by Proton-Coupled Electron Transfer. <i>Angewandte Chemie</i> , 2018, 130, 2246-2250.	2.0	8
30	Coordination-Induced $N-H$ Bond Weakening in a Molybdenum Pyrrolidine Complex: Isotopic Labeling Provides Insight into the Pathway for H_2 Evolution. <i>Organometallics</i> , 2020, 39, 3050-3059.	2.3	8
31	Exploring $C(sp^3)-C(sp^3)$ reductive elimination from an isolable iron metallacycle. <i>Polyhedron</i> , 2019, 159, 308-317.	2.2	6