List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanisms of Electrochemical N ₂ Splitting by a Molybdenum Pincer Complex. Inorganic Chemistry, 2022, 61, 2307-2318.	4.0	11
2	Catalytic Dehydrogenation of Alkanes by PCP–Pincer Iridium Complexes Using Proton and Electron Acceptors. ACS Catalysis, 2021, 11, 3009-3016.	11.2	8
3	Selecting Double Bond Positions with a Single Cation-Responsive Iridium Olefin Isomerization Catalyst. Journal of the American Chemical Society, 2021, 143, 2792-2800.	13.7	34
4	Photocatalytic Transfer Hydrogenation in Water: Insight into Mechanism and Catalyst Speciation. Organometallics, 2021, 40, 1482-1491.	2.3	6
5	Understanding Terminal versus Bridging End-on N ₂ Coordination in Transition Metal Complexes. Journal of the American Chemical Society, 2021, 143, 9744-9757.	13.7	24
6	Stepwise Iodide-Free Methanol Carbonylation via Methyl Acetate Activation by Pincer Iridium Complexes. Journal of the American Chemical Society, 2021, 143, 12633-12643.	13.7	4
7	Determining the Overpotential of Electrochemical Fuel Synthesis Mediated by Molecular Catalysts: Recommended Practices, Standard Reduction Potentials, and Challenges. ChemElectroChem, 2021, 8, 4161-4180.	3.4	31
8	Temperature and Solvent Effects on H ₂ Splitting and Hydricity: Ramifications on CO ₂ Hydrogenation by a Rhenium Pincer Catalyst. Journal of the American Chemical Society, 2021, 143, 945-954.	13.7	13
9	An Iron Pyridyl-Carbene Electrocatalyst for Low Overpotential CO ₂ Reduction to CO. ACS Catalysis, 2021, 11, 615-626.	11.2	38
10	Photochemical H ₂ Evolution from Bis(diphosphine)nickel Hydrides Enables Low-Overpotential Electrocatalysis. Journal of the American Chemical Society, 2021, 143, 21388-21401.	13.7	10
11	An Iron Bis(carbene) Catalyst for Low Overpotential CO ₂ Electroreduction to CO: Mechanistic Insights from Kinetic Zone Diagrams, Spectroscopy, and Theory. ACS Catalysis, 2021, 11, 15212-15222.	11.2	9
12	Identifying and Evading Olefin Isomerization Catalyst Deactivation Pathways Resulting from Ion-Tunable Hemilability. ACS Catalysis, 2020, 10, 13019-13030.	11.2	8
13	Decarbonylative ether dissection by iridium pincer complexes. Chemical Science, 2020, 11, 12130-12138.	7.4	8
14	H ₂ Evolution at an Electrochemical "Underpotential―with an Iridium-Based Molecular Photoelectrocatalyst. ACS Catalysis, 2020, 10, 9006-9018.	11.2	10
15	Thermodynamic and kinetic hydricity of transition metal hydrides. Chemical Society Reviews, 2020, 49, 7929-7948.	38.1	52
16	Considering Electrocatalytic Ammonia Synthesis via Bimetallic Dinitrogen Cleavage. ACS Catalysis, 2020, 10, 10826-10846.	11.2	60
17	Oligomerization and polymerization of 5-ethylidene-2-norbornene by cationic palladium and nickel catalysts. Polymer Chemistry, 2020, 11, 2576-2584.	3.9	18
18	Mechanistic basis for tuning iridium hydride photochemistry from H2 evolution to hydride transfer hydrodechlorination. Chemical Science, 2020, 11, 6442-6449.	7.4	14

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19	(Electroâ€)chemical Splitting of Dinitrogen with a Rhenium Pincer Complex. European Journal of Inorganic Chemistry, 2020, 2020, 1402-1410.	2.0	37
20	Kinetics of the <i>Trans</i> Effect in Ruthenium Complexes Provide Insight into the Factors That Control Activity and Stability in CO ₂ Electroreduction. Journal of the American Chemical Society, 2020, 142, 8980-8999.	13.7	40
21	Potential Economic Feasibility of Direct Electrochemical Nitrogen Reduction as a Route to Ammonia. ACS Sustainable Chemistry and Engineering, 2020, 8, 8938-8948.	6.7	75
22	Electrochemical C–H bond activation <i>via</i> cationic iridium hydride pincer complexes. Chemical Science, 2019, 10, 9326-9330.	7.4	4
23	Thermodynamic Hydricity across Solvents: Subtle Electronic Effects and Striking Ligation Effects in Iridium Hydrides. Organometallics, 2019, 38, 3104-3110.	2.3	25
24	Organometallic Elaboration as a Strategy for Tuning the Supramolecular Characteristics of Aza-Crown Ethers. Organometallics, 2019, 38, 4392-4398.	2.3	6
25	Cation-controlled catalysis with crown ether-containing transition metal complexes. Chemical Communications, 2019, 55, 5047-5059.	4.1	78
26	The <i>Trans</i> Effect in Electrocatalytic CO ₂ Reduction: Mechanistic Studies of Asymmetric Ruthenium Pyridyl-Carbene Catalysts. Journal of the American Chemical Society, 2019, 141, 6658-6671.	13.7	51
27	Stabilization of Ruthenium(II) Polypyridyl Chromophores on Mesoporous TiO ₂ Electrodes: Surface Reductive Electropolymerization and Silane Chemistry. ACS Central Science, 2019, 5, 506-514.	11.3	15
28	Dinitrogen Reduction to Ammonium at Rhenium Utilizing Light and Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2019, 141, 20198-20208.	13.7	62
29	Stable Molecular Surface Modification of Nanostructured, Mesoporous Metal Oxide Photoanodes by Silane and Click Chemistry. ACS Applied Materials & Interfaces, 2019, 11, 4560-4567.	8.0	18
30	Simultaneous Electrosynthesis of Syngas and an Aldehyde from CO ₂ and an Alcohol by Molecular Electrocatalysis. ACS Applied Energy Materials, 2019, 2, 97-101.	5.1	41
31	Synthesis and Characterization of Stable Gold(III) PNP Pincer Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 3113-3117.	2.0	7
32	Molecular Photoelectrocatalysts for Light-Driven Hydrogen Production. ACS Energy Letters, 2018, 3, 1128-1136.	17.4	34
33	Bathochromic Shifts in Rhenium Carbonyl Dyes Induced through Destabilization of Occupied Orbitals. Inorganic Chemistry, 2018, 57, 5389-5399.	4.0	42
34	A Ruthenium Hydrido Dinitrogen Core Conserved across Multielectron/Multiproton Changes to the Pincer Ligand Backbone. Inorganic Chemistry, 2018, 57, 1964-1975.	4.0	15
35	Excited-State Switching between Ligand-Centered and Charge Transfer Modulated by Metal–Carbon Bonds in Cyclopentadienyl Iridium Complexes. Inorganic Chemistry, 2018, 57, 15445-15461.	4.0	12
36	Let's Talk About Safety: Open Communication for Safer Laboratories. Organometallics, 2018, 37, 3225-3227.	2.3	17

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37	Mechanism of Chemical and Electrochemical N ₂ Splitting by a Rhenium Pincer Complex. Journal of the American Chemical Society, 2018, 140, 7922-7935.	13.7	110
38	Salt-promoted catalytic methanol carbonylation using iridium pincer-crown ether complexes. Catalysis Science and Technology, 2018, 8, 3133-3143.	4.1	23
39	An Ionâ€Responsive Pincerâ€Crown Ether Catalyst System for Rapid and Switchable Olefin Isomerization. Angewandte Chemie, 2017, 129, 5590-5594.	2.0	9
40	An Ionâ€Responsive Pincerâ€Crown Ether Catalyst System for Rapid and Switchable Olefin Isomerization. Angewandte Chemie - International Edition, 2017, 56, 5498-5502.	13.8	60
41	Photochemical Production of Ethane from an Iridium Methyl Complex. Organometallics, 2017, 36, 1906-1914.	2.3	12
42	Ammonia Synthesis from a Pincer Ruthenium Nitride via Metal–Ligand Cooperative Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2017, 139, 5305-5308.	13.7	40
43	Mapping the Binding Modes of Hemilabile Pincer–Crown Ether Ligands in Solution Using Diamagnetic Anisotropic Effects on NMR Chemical Shift. Inorganic Chemistry, 2017, 56, 11141-11150.	4.0	28
44	Thermodynamic Studies of Cation–Macrocycle Interactions in Nickel Pincer–Crown Ether Complexes Enable Switchable Ligation. Organometallics, 2017, 36, 3094-3103.	2.3	29
45	Controlling ligand binding for tunable and switchable catalysis: cation-modulated hemilability in pincer-crown ether ligands. Dalton Transactions, 2017, 46, 11987-12000.	3.3	52
46	Aqueous Hydricity from Calculations of Reduction Potential and Acidity in Water. Journal of Physical Chemistry B, 2016, 120, 12911-12919.	2.6	16
47	Modulating the Elementary Steps of Methanol Carbonylation by Bridging the Primary and Secondary Coordination Spheres. Organometallics, 2016, 35, 3074-3086.	2.3	36
48	Efficient Photochemical Dihydrogen Generation Initiated by a Bimetallic Self-Quenching Mechanism. Journal of the American Chemical Society, 2016, 138, 13509-13512.	13.7	40
49	Evaluating the Thermodynamics of Electrocatalytic N ₂ Reduction in Acetonitrile. ACS Energy Letters, 2016, 1, 698-704.	17.4	115
50	Thermodynamic Hydricity of Transition Metal Hydrides. Chemical Reviews, 2016, 116, 8655-8692.	47.7	365
51	Solvent-Dependent Thermochemistry of an Iridium/Ruthenium H ₂ Evolution Catalyst. Inorganic Chemistry, 2016, 55, 12042-12051.	4.0	18
52	Aqueous Hydricity of Late Metal Catalysts as a Continuum Tuned by Ligands and the Medium. Journal of the American Chemical Society, 2016, 138, 2252-2260.	13.7	76
53	Diverse Cation-Promoted Reactivity of Iridium Carbonyl Pincer-Crown Ether Complexes. Organometallics, 2016, 35, 306-316.	2.3	33
54	Connecting Neutral and Cationic Pathways in Nickel-Catalyzed Insertion of Benzaldehyde into a C–H Bond of Acetonitrile. Organometallics, 2015, 34, 4669-4677.	2.3	34

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55	Photochemical Formic Acid Dehydrogenation by Iridium Complexes: Understanding Mechanism and Overcoming Deactivation. ACS Catalysis, 2015, 5, 6320-6327.	11.2	48
56	Rapid water oxidation electrocatalysis by a ruthenium complex of the tripodal ligand tris(2-pyridyl)phosphine oxide. Chemical Science, 2015, 6, 2405-2410.	7.4	43
57	Molecular Photoelectrocatalysts for Visible Light-Driven Hydrogen Evolution from Neutral Water. ACS Catalysis, 2014, 4, 2727-2733.	11.2	56
58	Photoswitchable Hydride Transfer from Iridium to 1-Methylnicotinamide Rationalized by Thermochemical Cycles. Journal of the American Chemical Society, 2014, 136, 14718-14721.	13.7	70
59	Cation-Modulated Reactivity of Iridium Hydride Pincer-Crown Ether Complexes. Journal of the American Chemical Society, 2014, 136, 14519-14529.	13.7	90
60	Arene Activation at Iridium Facilitates C–O Bond Cleavage of Aryl Ethers. Organometallics, 2014, 33, 1245-1252.	2.3	19
61	Hydrogenation of Carboxylic Acids Catalyzed by Half-Sandwich Complexes of Iridium and Rhodium. Journal of the American Chemical Society, 2013, 135, 16022-16025.	13.7	111
62	Catalytic Disproportionation of Formic Acid to Generate Methanol. Angewandte Chemie - International Edition, 2013, 52, 3981-3984.	13.8	95
63	Kinetic and structural studies, origins of selectivity, and interfacial charge transfer in the artificial photosynthesis of CO. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15646-15650.	7.1	181
64	Using combinations of oxidants and bases as PCET reactants: thermochemical and practical considerations. Energy and Environmental Science, 2012, 5, 7771.	30.8	97
65	Synthesis and Characterization of Three-Coordinate Ni(III)-Imide Complexes. Journal of the American Chemical Society, 2011, 133, 13055-13063.	13.7	122
66	Trialkylborane-Assisted CO ₂ Reduction by Late Transition Metal Hydrides. Organometallics, 2011, 30, 4308-4314.	2.3	73
67	NMR Chemical Shifts of Trace Impurities: Common Laboratory Solvents, Organics, and Gases in Deuterated Solvents Relevant to the Organometallic Chemist. Organometallics, 2010, 29, 2176-2179.	2.3	3,142
68	Long-Lived and Efficient Emission from Mononuclear Amidophosphine Complexes of Copper. Inorganic Chemistry, 2007, 46, 7244-7246.	4.0	102
69	Mechanistic comparisons on Ru and Fe carbene-supported complexes for electrocatalytic CO2 reduction. , 0, , .		0