

Wesley H Bernskoetter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7534329/publications.pdf>

Version: 2024-02-01

41
papers

2,454
citations

218677

26
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Catalyst Isomers Using an <i>N</i> -Phenyl-Substituted RN(CH ₂) ₂ CH ₂ CH ₂ Pr ₂ Pincer Ligand in CO ₂ Hydrogenation and Formic Acid Dehydrogenation. <i>Inorganic Chemistry</i> , 2022, 61, 643-656.	4.0	13
2	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.	11.2	11
3	Dehydrogenative Synthesis of Carbamates from Formamides and Alcohols Using a Pincer-Supported Iron Catalyst. <i>ACS Catalysis</i> , 2021, 11, 10614-10624.	11.2	7
4	Comparative Coordination Chemistry of PNP and SNS Pincer Ruthenium Complexes. <i>Organometallics</i> , 2021, 40, 4066-4076.	2.3	6
5	Synthesis of organometallic pincer-supported cobalt(II) complexes. <i>Polyhedron</i> , 2020, 177, 114308.	2.2	3
6	Iron-Mediated C–C Bond Formation via Reductive Coupling with Carbon Dioxide. <i>Organometallics</i> , 2020, 39, 3562-3571.	2.3	13
7	Additive-Free Formic Acid Dehydrogenation Using a Pincer-Supported Iron Catalyst. <i>ChemCatChem</i> , 2020, 12, 1934-1938.	3.7	28
8	Rational selection of co-catalysts for the deaminative hydrogenation of amides. <i>Chemical Science</i> , 2020, 11, 2225-2230.	7.4	13
9	Ancillary Ligand and Base Influences on Nickel-Catalyzed Coupling of CO ₂ and Ethylene to Acrylate. <i>Organometallics</i> , 2020, 39, 1573-1579.	2.3	5
10	Sequential Hydrogenation of CO ₂ to Methanol Using a Pincer Iron Catalyst. <i>Organometallics</i> , 2019, 38, 3084-3091.	2.3	56
11	The Role of Proton Shuttles in the Reversible Activation of Hydrogen via Metal–Ligand Cooperation. <i>Journal of the American Chemical Society</i> , 2019, 141, 17350-17360.	13.7	39
12	Understanding the Individual and Combined Effects of Solvent and Lewis Acid on CO ₂ Insertion into a Metal Hydride. <i>Journal of the American Chemical Society</i> , 2019, 141, 10520-10529.	13.7	40
13	Iron-catalyzed urea synthesis: dehydrogenative coupling of methanol and amines. <i>Chemical Science</i> , 2018, 9, 4003-4008.	7.4	42
14	Influences of Bifunctional PNP-Pincer Ligands on Low Valent Cobalt Complexes Relevant to CO ₂ Hydrogenation. <i>Inorganic Chemistry</i> , 2018, 57, 1590-1597.	4.0	31
15	Selective Iron-Catalyzed <i>N</i> -Formylation of Amines using Dihydrogen and Carbon Dioxide. <i>ACS Catalysis</i> , 2018, 8, 1338-1345.	11.2	101
16	Catalytic Formic Acid Dehydrogenation and CO ₂ Hydrogenation Using Iron PNP Pincer Complexes with Isonitrile Ligands. <i>Organometallics</i> , 2018, 37, 3846-3853.	2.3	57
17	Effect of Nucleophilicity on the Kinetics of CO ₂ Insertion into Pincer-Supported Nickel Complexes. <i>Organometallics</i> , 2018, 37, 3649-3653.	2.3	13
18	Acceleration of CO ₂ insertion into metal hydrides: ligand, Lewis acid, and solvent effects on reaction kinetics. <i>Chemical Science</i> , 2018, 9, 6629-6638.	7.4	53

#	ARTICLE	IF	CITATIONS
19	Synthesis and Reactivity of 1,2-Bis(di- <i>i</i> -propylphosphino)benzene Nickel Complexes: A Study of Catalytic CO ₂ â€“Ethylene Coupling. <i>Organometallics</i> , 2018, 37, 3573-3580.	2.3	16
20	The Key Role of the Hemiaminal Intermediate in the Iron-Catalyzed Deaminative Hydrogenation of Amides. <i>ACS Catalysis</i> , 2018, 8, 8751-8762.	11.2	53
21	Iron-Catalyzed Amide Formation from the Dehydrogenative Coupling of Alcohols and Secondary Amines. <i>Organometallics</i> , 2017, 36, 2020-2025.	2.3	60
22	Reversible Hydrogenation of Carbon Dioxide to Formic Acid and Methanol: Lewis Acid Enhancement of Base Metal Catalysts. <i>Accounts of Chemical Research</i> , 2017, 50, 1049-1058.	15.6	207
23	Selective Iron-Catalyzed Deaminative Hydrogenation of Amides. <i>Organometallics</i> , 2017, 36, 409-416.	2.3	84
24	Synthesis and Catalytic Activity of PNP-Supported Iron Complexes with Ancillary Isonitrile Ligands. <i>Organometallics</i> , 2017, 36, 3995-4004.	2.3	27
25	Effective Pincer Cobalt Precatalysts for Lewis Acid Assisted CO ₂ Hydrogenation. <i>Inorganic Chemistry</i> , 2016, 55, 8225-8233.	4.0	124
26	Iron catalyzed CO ₂ hydrogenation to formate enhanced by Lewis acid co-catalysts. <i>Chemical Science</i> , 2015, 6, 4291-4299.	7.4	285
27	Enhanced CO ₂ electroreduction efficiency through secondary coordination effects on a pincer iridium catalyst. <i>Chemical Communications</i> , 2015, 51, 5947-5950.	4.1	57
28	Base-Free Methanol Dehydrogenation Using a Pincer-Supported Iron Compound and Lewis Acid Co-catalyst. <i>ACS Catalysis</i> , 2015, 5, 2404-2415.	11.2	184
29	Synthesis and Structure of Six-Coordinate Iron Borohydride Complexes Supported by PNP Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 2133-2143.	4.0	97
30	Coordination Chemistry of Iridium Phosphineâ€“Sulfonate Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 157-163.	3.7	3
31	Effect of Sodium Cation on Metallacycle Î²-Hydride Elimination in CO ₂ â€“Ethylene Coupling to Acrylates. <i>Chemistry - A European Journal</i> , 2014, 20, 3205-3211.	3.3	54
32	Lewis Acid-Assisted Formic Acid Dehydrogenation Using a Pincer-Supported Iron Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 10234-10237.	13.7	377
33	Ancillary Ligand Effects on Carbon Dioxide-Ethylene Coupling at Zerovalent Molybdenum. <i>Organometallics</i> , 2014, 33, 3425-3432.	2.3	25
34	Functionalization of Carbon Dioxide with Ethylene at Molybdenum Hydride Complexes. <i>Organometallics</i> , 2013, 32, 3969-3979.	2.3	38
35	Lewis Acid Induced Î²-Elimination from a Nickelalactone: Efforts toward Acrylate Production from CO ₂ and Ethylene. <i>Organometallics</i> , 2013, 32, 2152-2159.	2.3	68
36	Intermolecular Methyl Group Exchange and Reversible Pâ€“Me Bond Cleavage at Cobalt(III) Dimethyl Halide Species. <i>Organometallics</i> , 2013, 32, 798-806.	2.3	7

#	ARTICLE	IF	CITATIONS
37	A Computational Investigation of the Insertion of Carbon Dioxide into Four- and Five-Coordinate Iridium Hydrides. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4032-4041.	2.0	35
38	Reductive functionalization of carbon dioxide to methyl acrylate at zerovalent tungsten. <i>Dalton Transactions</i> , 2012, 41, 10763.	3.3	22
39	C≡CN Bond Activation of Acetonitrile using Cobalt(I). <i>Organometallics</i> , 2012, 31, 1588-1590.	2.3	34
40	Kinetics and Mechanism of Molybdenum-Mediated Acrylate Formation from Carbon Dioxide and Ethylene. <i>Organometallics</i> , 2011, 30, 520-527.	2.3	59
41	Iron, Cobalt, and Nickel Complexes Supported by a iPrPNPhP Pincer Ligand. <i>Organometallics</i> , 0, , .	2.3	7