

Michael T Mock

List of Publications by Year in descending order

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27
papers

1,303
citations

430754

18
h-index

580701

25
g-index

28
all docs

28
docs citations

28
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cobalt-Based Catalyst for the Hydrogenation of CO ₂ under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 11533-11536.	6.6	343
2	A Cobalt Hydride Catalyst for the Hydrogenation of CO ₂ : Pathways for Catalysis and Deactivation. <i>ACS Catalysis</i> , 2014, 4, 3755-3762.	5.5	102
3	Thermodynamic Studies and Hydride Transfer Reactions from a Rhodium Complex to BX ₃ Compounds. <i>Journal of the American Chemical Society</i> , 2009, 131, 14454-14465.	6.6	93
4	Dinitrogen Reduction by a Chromium(0) Complex Supported by a 16-Membered Phosphorus Macrocyclic. <i>Journal of the American Chemical Society</i> , 2013, 135, 11493-11496.	6.6	81
5	Catalytic Silylation of N ₂ and Synthesis of NH ₃ and N ₂ H ₄ by Net Hydrogen Atom Transfer Reactions Using a Chromium P ₄ Macrocyclic. <i>Journal of the American Chemical Society</i> , 2018, 140, 2528-2536.	6.6	78
6	Catalytic N ₂ Reduction to Silylamines and Thermodynamics of N ₂ Binding at Square Planar Fe. <i>Journal of the American Chemical Society</i> , 2017, 139, 9291-9301.	6.6	72
7	Synthesis and Hydride Transfer Reactions of Cobalt and Nickel Hydride Complexes to BX ₃ Compounds. <i>Inorganic Chemistry</i> , 2011, 50, 11914-11928.	1.9	61
8	Ammonia Oxidation by Abstraction of Three Hydrogen Atoms from a Mo ^{VI} -NH ₃ Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 2916-2919.	6.6	54
9	A rare terminal dinitrogen complex of chromium. <i>Chemical Communications</i> , 2011, 47, 12212.	2.2	52
10	Catalytic Ammonia Oxidation to Dinitrogen by Hydrogen Atom Abstraction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11618-11624.	7.2	52
11	Understanding the Relationship Between Kinetics and Thermodynamics in CO ₂ Hydrogenation Catalysis. <i>ACS Catalysis</i> , 2017, 7, 6008-6017.	5.5	43
12	Exploring the role of pendant amines in transition metal complexes for the reduction of N ₂ to hydrazine and ammonia. <i>Coordination Chemistry Reviews</i> , 2017, 334, 67-83.	9.5	39
13	Synthesis and reactivity of molybdenum and tungsten bis(dinitrogen) complexes supported by diphosphine chelates containing pendant amines. <i>Dalton Transactions</i> , 2012, 41, 4517.	1.6	34
14	Protonation Studies of a Mono-Dinitrogen Complex of Chromium Supported by a 12-Membered Phosphorus Macrocyclic Containing Pendant Amines. <i>Inorganic Chemistry</i> , 2015, 54, 4827-4839.	1.9	32
15	Protonation Studies of a Tungsten Dinitrogen Complex Supported by a Diphosphine Ligand Containing a Pendant Amine. <i>Organometallics</i> , 2014, 33, 2189-2200.	1.1	26
16	Putting chromium on the map for N ₂ reduction: production of hydrazine and ammonia. A study of cis-M(N ₂) ₂ (M = Cr, Mo, W) bis(diphosphine) complexes. <i>Chemical Communications</i> , 2016, 52, 9343-9346.	2.2	26
17	H ₂ Binding, Splitting, and Net Hydrogen Atom Transfer at a Paramagnetic Iron Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 1871-1876.	6.6	25
18	Dinitrogen Activation and Functionalization with Chromium. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1358-1375.	1.0	23

#	ARTICLE	IF	CITATIONS
19	Chemical transformations of captured CO ₂ into cyclic and polymeric carbonates. <i>Journal of CO₂ Utilization</i> , 2019, 32, 196-201.	3.3	20
20	Electronic and Steric Influences of Pendant Amine Groups on the Protonation of Molybdenum Bis(dinitrogen) Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 4409-4422.	1.9	16
21	Synthesis and Protonation Studies of Molybdenum(0) Bis(di-Nitrogen) Complexes Supported by Diphosphine Ligands Containing Pendant Amines. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 105-117.	0.6	15
22	Catalytic Ammonia Oxidation to Dinitrogen by Hydrogen Atom Abstraction. <i>Angewandte Chemie</i> , 2019, 131, 11744-11750.	1.6	9
23	Synthesis and Structure of Vanadium Halide Complexes Containing Diphosphine Ligands with Pendant Amines. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1293-1299.	1.0	5
24	Frontispiz: Catalytic Ammonia Oxidation to Dinitrogen by Hydrogen Atom Abstraction. <i>Angewandte Chemie</i> , 2019, 131, .	1.6	1
25	Frontispiece: Catalytic Ammonia Oxidation to Dinitrogen by Hydrogen Atom Abstraction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0
26	Complexes of Groups 5-7 with N ₂ , NO, and Other N-Containing Small Molecules. , 2022, , .		0
27	Light side of nitrogen fixation. , 0, , .		0