

Marcus Drover

List of Publications by Year in descending order

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45
papers

1,125
citations

430874

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docs citations

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times ranked

1256
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic N ₂ -to-NH ₃ (or -N ₂ H ₄) Conversion by Well-Defined Molecular Coordination Complexes. <i>Chemical Reviews</i> , 2020, 120, 5582-5636.	47.7	234
2	Formation of a renewable amide, 3-acetamido-5-acetylfuran, via direct conversion of N-acetyl-d-glucosamine. <i>RSC Advances</i> , 2012, 2, 4642.	3.6	110
3	Capturing HBCy ₂ : Using N,O-Chelated Complexes of Rhodium(I) and Iridium(I) for Chemoselective Hydroboration. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3181-3186.	13.8	63
4	Self-Assembled Ln(III) ₄ (Ln = Eu, Gd, Dy, Ho, Yb) [2 Å– 2] Square Grids: a New Class of Lanthanide Cluster. <i>Inorganic Chemistry</i> , 2013, 52, 6731-6742.	4.0	61
5	Aluminum Methyl and Chloro Complexes Bearing Monoanionic Aminephenolate Ligands: Synthesis, Characterization, and Use in Polymerizations. <i>Organometallics</i> , 2012, 31, 8145-8158.	2.3	56
6	A guide to secondary coordination sphere editing. <i>Chemical Society Reviews</i> , 2022, 51, 1861-1880.	38.1	49
7	1,3-N,O-Complexes of late transition metals. Ligands with flexible bonding modes and reaction profiles. <i>Chemical Society Reviews</i> , 2017, 46, 2913-2940.	38.1	44
8	Exploring Regioselective Bond Cleavage and Cross-Coupling Reactions using a Low-Valent Nickel Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 4070-4077.	3.3	42
9	Oxidation State Dependent Coordination Modes: Accessing an Amidate-Supported Nickel(I) η^5 -Cp* Agostic Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13290-13295.	13.8	34
10	Catalytic Functionalization of Styrenyl Epoxides via η^5 -Nickela(II)oxetanes. <i>Chemistry - A European Journal</i> , 2017, 23, 11509-11512.	3.3	32
11	Toward anti-Markovnikov 1-Alkyne O-Phosphoramidation: Exploiting Metal-Ligand Cooperativity in a 1,3-N,O-Chelated Cp*Ir(III) Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 8396-8399.	13.7	31
12	Reactivity of an Unsaturated Iridium(III) Phosphoramidate Complex, [Cp*Ir(η^5 -Cp*)(N,O)](BARF) ₄ . <i>Organometallics</i> , 2015, 34, 3849-3856.	2.3	26
13	Fusing triphenylphosphine with tetraphenylborate: introducing the 9-phosphatriptycene-10-phenylborate (PTB) anion. <i>Chemical Communications</i> , 2018, 54, 7916-7919.	4.1	26
14	Octaboraneyl Complexes of Nickel: Monomers for Redox-Active Coordination Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, 11180-11186.	3.3	25
15	Phosphoramidate-Supported Cp*Ir(III) Aminoborane H ₂ B=NR ₂ Complexes: Synthesis, Structure, and Solution Dynamics. <i>Chemistry - A European Journal</i> , 2016, 22, 6793-6797.	3.3	22
16	Generating Potent Cp*H PCET Donors: Ligand-Induced Fe-to-Ring Proton Migration from a Cp*Fe(III)H Complex Demonstrates a Promising Strategy. <i>Journal of the American Chemical Society</i> , 2020, 142, 18963-18970.	13.7	21
17	Octaboraneyl [Ni(H)(diphosphine) ₂] ⁺ Complexes: Exploiting Phosphine Ligand Lability for Hydride Transfer to an [NAD] ⁺ Model. <i>Inorganic Chemistry</i> , 2021, 60, 37-41.	4.0	20
18	Snapshots of a Migrating H-Atom: Characterization of a Reactive Iron(III) Indenide Hydride and its Nearly Isoenergetic Ring-Open Protonated Iron(I) Isomer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15504-15511.	13.8	19

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19	Exterior decorating: Lewis acid secondary coordination spheres for cooperative reactivity. <i>Trends in Chemistry</i> , 2022, 4, 331-346.	8.5	19
20	Amidate-Ligated Complexes of Rhodium(I): A Showcase of Coordination Flexibility. <i>Organometallics</i> , 2015, 34, 1783-1786.	2.3	18
21	Accessing σ -B π -H Coordinated Complexes of Rh(I) and Ir(I) Using Mono- and Dihydroboranes: Cooperative Stabilization by a Phosphoramidate Coligand. <i>Organometallics</i> , 2017, 36, 331-341.	2.3	16
22	Lewis Acid-Promoted Oxidative Addition at a [Ni ⁰ (diphosphine) ₂] Complex: The Critical Role of a Secondary Coordination Sphere. <i>Chemistry - A European Journal</i> , 2021, 27, 16021-16027.	3.3	16
23	Structural characterization of a tetrametallic diamine-bis(phenolate) complex of lithium and synthesis of a related bismuth complex. <i>Polyhedron</i> , 2015, 102, 60-68.	2.2	12
24	Enhancing Reactivity of Directly Observable B-H-Pt Interactions through Conformational Rigidity. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2403-2408.	2.0	12
25	Wrapping Rhodium in a Borane Canopy: Implications for Hydride Formation and Transfer. <i>Organometallics</i> , 2021, 40, 2450-2457.	2.3	12
26	Isocyanate deinsertion from σ -O amidates: facile access to perfluoroaryl rhodium(σ) complexes. <i>Dalton Transactions</i> , 2015, 44, 19487-19493.	3.3	11
27	Platinum complexes of a boron-rich diphosphine ligand. <i>Dalton Transactions</i> , 2020, 49, 16312-16318.	3.3	11
28	Polynuclear complexes of a series of hydrazone and hydrazone-oxime ligands M ₂ (Fe), M ₄ (Mn, Ni), Tj ETQqO ₀ 0 rgBT / Overlock	2.2	9
29	Bis(1-bora-4-phosphorinane) ring closure at Cp*M (M = Fe, Co) complexes. <i>Chemical Communications</i> , 2022, 58, 2500-2503.	4.1	9
30	Phosphoramidate-Assisted Alkyne Activation: Probing the Mechanism of Proton Shuttling in a N,O-Chelated Cp*Ir(III) Complex. <i>Organometallics</i> , 2018, 37, 4630-4638.	2.3	8
31	Oxidation State Dependent Coordination Modes: Accessing an Amidate-Supported Nickel(I) σ -bis(C π -H) Agostic Complex. <i>Angewandte Chemie</i> , 2016, 128, 13484-13489.	2.0	7
32	Dehydrogenation of cyclic amines by a coordinatively unsaturated Cp*Ir(III) phosphoramidate complex. <i>Dalton Transactions</i> , 2017, 46, 8621-8625.	3.3	7
33	Expanding the allyl analogy: accessing σ -P π , σ -B π , σ -P π diphosphinoborane complexes of group 10. <i>Dalton Transactions</i> , 2018, 47, 3733-3738.	3.3	7
34	Preparation of a borane-appended Co(σ) hydride: evidence for metal-ligand cooperativity in σ -H bond activation. <i>Dalton Transactions</i> , 2021, 50, 12440-12447.	3.3	6
35	Competitive gold/nickel transmetalation. <i>Chemical Communications</i> , 2021, 58, 68-71.	4.1	6
36	σ -Rhoda-1,2-diazacyclopentanes: A Series of Novel Metallacycle Complexes Derived From C π -N Functionalization of Ethylene. <i>Chemistry - A European Journal</i> , 2014, 20, 13345-13355.	3.3	5

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37	Reprint of Structural characterization of a tetrametallic diamine-bis(phenolate) complex of lithium and synthesis of a related bismuth complex. <i>Polyhedron</i> , 2016, 108, 50-58.	2.2	5
38	C(sp ³)-H Bond Activation Induced by Monohydroborane Coordination at an Iridium(III)-Phosphoramidate Complex. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2639-2642.	2.0	4
39	Snapshots of a Migrating H-Atom: Characterization of a Reactive Iron(III) Indenide Hydride and its Nearly Isoenergetic Ring-Protonated Iron(I) Isomer. <i>Angewandte Chemie</i> , 2019, 131, 15650-15657.	2.0	2
40	So you want to develop a virtual lecture series? Lessons learned from the Global Inorganic Discussion Weekday (GIDW) – a Canadian initiative. <i>Canadian Journal of Chemistry</i> , 2020, 98, 737-740.	1.1	2
41	A proton passing game: A relay across the goal line. <i>Matter</i> , 2021, 4, 2598-2600.	10.0	2
42	Rhodium disulfur and dioxygen complexes: examination of boron secondary coordination sphere effects. <i>Journal of Coordination Chemistry</i> , 2022, 75, 1929-1939.	2.2	2
43	Formation of azarhodacyclobutanes with varying N-substitution. <i>Journal of Organometallic Chemistry</i> , 2015, 791, 192-197.	1.8	1
44	C(sp ³)-H Bond Activation Induced by Monohydroborane Coordination at an Iridium(III)-Phosphoramidate Complex. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2638-2638.	2.0	0
45	Nickel upgrades nitrogen waste. , 0, , .		0