Marcus Drover

List of Publications by Year
in descending order

45 papers	1,125 citations	430874 18 h-index	414414 32 g-index
54 all docs	54 docs citations	54 times ranked	1256 citing authors

#	Article	IF	Citations
1	Bis(1-bora-4-phosphorinane) ring closure at Cp*M (M = Fe, Co) complexes. Chemical Communications, 2022, 58, 2500-2503.	4.1	9
2	A guide to secondary coordination sphere editing. Chemical Society Reviews, 2022, 51, 1861-1880.	38.1	49
3	Exterior decorating: Lewis acid secondary coordination spheres for cooperative reactivity. Trends in Chemistry, 2022, 4, 331-346.	8.5	19
4	Rhodium disulfur and dioxygen complexes: examination of boron secondary coordination sphere effects. Journal of Coordination Chemistry, 2022, 75, 1929-1939.	2.2	2
5	Octaboraneyl [Ni(H)(diphosphine)₂]⁺ Complexes: Exploiting Phosphine Ligand Lability for Hydride Transfer to an [NAD]⁺ Model. Inorganic Chemistry, 2021, 60, 37-41.	4.0	20
6	Preparation of a borane-appended Co(<scp>iii</scp>) hydride: evidence for metalâ€“ligand cooperativity in Oâ€“H bond activation. Dalton Transactions, 2021, 50, 12440-12447.	3.3	6
7	Wrapping Rhodium in a Borane Canopy: Implications for Hydride Formation and Transfer. Organometallics, 2021, 40, 2450-2457.	2.3	12
8	A proton passing game: A relay across the goal line. Matter, 2021, 4, 2598-2600.	10.0	2
9	Lewis Acidâ€Promoted Oxidative Addition at a [Ni⁰(diphosphine)₂] Complex: The Critical Role of a Secondary Coordination Sphere. Chemistry - A European Journal, 2021, 27, 16021-16027.	3.3	16
10	Competitive gold/nickel transmetalation. Chemical Communications, 2021, 58, 68-71.	4.1	6
11	So you want to develop a virtual lecture series? Lessons learned from the Global Inorganic Discussion Weekday (GIDW) â€" a Canadian initiative. Canadian Journal of Chemistry, 2020, 98, 737-740.	1.1	2
12	Generating Potent Câ€“H PCET Donors: Ligand-Induced Fe-to-Ring Proton Migration from a Cp*FeIIIâ€“H Complex Demonstrates a Promising Strategy. Journal of the American Chemical Society, 2020, 142, 18963-18970.	13.7	21
13	Platinum complexes of a boron-rich diphosphine ligand. Dalton Transactions, 2020, 49, 16312-16318.	3.3	11
14	Catalytic N₂-to-NH₃(or -N₂H₄) Conversion by Well-Defined Molecular Coordination Complexes. Chemical Reviews, 2020, 120, 5582-5636.	47.7	234
15	Octaboraneyl Complexes of Nickel: Monomers for Redoxâ€Active Coordination Polymers. Chemistry - A European Journal, 2020, 26, 11180-11186.	3.3	25
16	Snapshots of a Migrating Hâ€Atom: Characterization of a Reactive Iron(III) Indenide Hydride and its Nearly Isoenergetic Ringâ€Protonated Iron(I) Isomer. Angewandte Chemie - International Edition, 2019, 58, 15504-15511.	13.8	19
17	Snapshots of a Migrating Hâ€Atom: Characterization of a Reactive Iron(III) Indenide Hydride and its Nearly Isoenergetic Ringâ€Protonated Iron(I) Isomer. Angewandte Chemie, 2019, 131, 15650-15657.	2.0	2
18	Expanding the allyl analogy: accessing Î·³-P,B,P diphosphinoborane complexes of group 10. Dalton Transactions, 2018, 47, 3733-3738.	3.3	7

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19	Phosphoramidate-Assisted Alkyne Activation: Probing the Mechanism of Proton Shuttling in a N,O-Chelated Cp*Ir(III) Complex. Organometallics, 2018, 37, 4630-4638.	2.3	8
20	Fusing triphenylphosphine with tetraphenylborate: introducing the 9-phosphatriptycene-10-phenylborate (PTB) anion. Chemical Communications, 2018, 54, 7916-7919.	4.1	26
21	C(sp3)-H Bond Activation Induced by Monohydroborane Coordination at an Iridium(III)-Phosphoramidate Complex. European Journal of Inorganic Chemistry, 2017, 2017, 2639-2642.	2.0	4
22	1,3-N,O-Complexes of late transition metals. Ligands with flexible bonding modes and reaction profiles. Chemical Society Reviews, 2017, 46, 2913-2940.	38.1	44
23	C(sp3)-H Bond Activation Induced by Monohydroborane Coordination at an Iridium(III)-Phosphoramidate Complex. European Journal of Inorganic Chemistry, 2017, 2017, 2638-2638.	2.0	0
24	Dehydrogenation of cyclic amines by a coordinatively unsaturated Cp*Ir(iii) phosphoramidate complex. Dalton Transactions, 2017, 46, 8621-8625.	3.3	7
25	Accessing Î´-Bâ€“H Coordinated Complexes of Rh(I) and Ir(I) Using Mono- and Dihydroboranes: Cooperative Stabilization by a Phosphoramidate Coligand. Organometallics, 2017, 36, 331-341.	2.3	16
26	Catalytic Functionalization of Styrenyl Epoxides via 2â€Nickela(II)oxetanes. Chemistry - A European Journal, 2017, 23, 11509-11512.	3.3	32
27	Phosphoramidateâ€Supported Cp*Ir^{III} Aminoborane H₂B=NR₂ Complexes: Synthesis, Structure, and Solution Dynamics. Chemistry - A European Journal, 2016, 22, 6793-6797.	3.3	22
28	Capturing HBCy₂: Using N,Oâ€Chelated Complexes of Rhodium(I) and Iridium(I) for Chemoselective Hydroboration. Angewandte Chemie - International Edition, 2016, 55, 3181-3186.	13.8	63
29	Oxidation State Dependent Coordination Modes: Accessing an Amidateâ€Supported Nickel(I) Îºâ€bis(Câˆ’H) Agostic Complex. Angewandte Chemie, 2016, 128, 13484-13489.	2.0	7
30	Oxidation State Dependent Coordination Modes: Accessing an Amidateâ€Supported Nickel(I) Îºâ€bis(Câˆ’H) Agostic Complex. Angewandte Chemie - International Edition, 2016, 55, 13290-13295.	13.8	34
31	Enhancing Reactivity of Directly ÃObservable B-H-Pt Interactions through Conformational Rigidity. European Journal of Inorganic Chemistry, 2016, 2016, 2403-2408.	2.0	12
32	Toward anti-Markovnikov 1-Alkyne O-Phosphoramidation: Exploiting Metalâ€“Ligand Cooperativity in a 1,3-N,O-Chelated Cp*Ir(III) Complex. Journal of the American Chemical Society, 2016, 138, 8396-8399.	13.7	31
33	Reprint of Structural characterization of a tetrametallic diamine-bis(phenolate) complex of lithium and synthesis of a related bismuth complex. Polyhedron, 2016, 108, 50-58.	2.2	5
34	Exploring Regioselective Bond Cleavage and Crossâ€Coupling Reactions using a Lowâ€Valent Nickel Complex. Chemistry - A European Journal, 2016, 22, 4070-4077.	3.3	42
35	Isocyanate deinsertion from Î²¹-O amidates: facile access to perfluoroaryl rhodium(<scp>i</scp>) complexes. Dalton Transactions, 2015, 44, 19487-19493.	3.3	11
36	Amidate-Ligated Complexes of Rhodium(I): A Showcase of Coordination Flexibility. Organometallics, 2015, 34, 1783-1786.	2.3	18

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37	Reactivity of an Unsaturated Iridium(III) Phosphoramidate Complex, [Cp*Ir{Îº²-N,O}][BAr^F₄]. Organometallics, 2015, 34, 3849-3856.	2.3	26
38	Formation of azarhodacyclobutanes with varying N-substitution. Journal of Organometallic Chemistry, 2015, 791, 192-197.	1.8	1
39	Structural characterization of a tetrametallic diamine-bis(phenolate) complex of lithium and synthesis of a related bismuth complex. Polyhedron, 2015, 102, 60-68.	2.2	12
40	3â€Rhodaâ€1,2â€diazacyclopentanes: A Series of Novel Metallacycle Complexes Derived From Cï£¿N Functionalization of Ethylene. Chemistry - A European Journal, 2014, 20, 13345-13355.	3.3	5
41	Polynuclear complexes of a series of hydrazone and hydrazoneâ€“oxime ligands â€“ M2 (Fe), M4 (Mn, Ni,) Tj ETQq1 1 0.784314 rgBT	2.2	9
42	Self-Assembled Ln(III)₄ (Ln = Eu, Gd, Dy, Ho, Yb) [2 Ã— 2] Square Grids: a New Class of Lanthanide Cluster. Inorganic Chemistry, 2013, 52, 6731-6742.	4.0	61
43	Aluminum Methyl and Chloro Complexes Bearing Monoanionic Aminephenolate Ligands: Synthesis, Characterization, and Use in Polymerizations. Organometallics, 2012, 31, 8145-8158.	2.3	56
44	Formation of a renewable amide, 3-acetamido-5-acetylfuran, via direct conversion of N-acetyl-d-glucosamine. RSC Advances, 2012, 2, 4642.	3.6	110
45	Nickel upgrades nitrogen waste. , 0, , .		0