Alasdair P M Robertson

List of Publications by Year
in descending order

26	3,441	304602 22	477173 29
papers	citations	h-index	g-index

32	32	32	2505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonia-Borane and Related Compounds as Dihydrogen Sources. Chemical Reviews, 2010, 110, 4079-4124.	23.0	1,106
2	Amineâ˜' and Phosphineâ˜'Borane Adducts: New Interest in Old Molecules. Chemical Reviews, 2010, 110, 4023-4078.	23.0	602
3	Catalytic Dehydrocoupling/Dehydrogenation ofN-Methylamine-Borane and Ammonia-Borane: Synthesis and Characterization of High Molecular Weight Polyaminoboranes. Journal of the American Chemical Society, 2010, 132, 13332-13345.	6.6	280
4	Photoactivated, Ironâ€Catalyzed Dehydrocoupling of Amineâ€“Borane Adducts: Formation of Boronâ€“Nitrogen Oligomers and Polymers. Chemistry - A European Journal, 2011, 17, 4099-4103.	1.7	136
5	Catching the First Oligomerization Event in the Catalytic Formation of Polyaminoboranes: H₃BÂ·NMeHBH₂Â·NMeH₂ Bound to Iridium. Journal of the American Chemical Society, 2011, 133, 11076-11079.	6.6	114
6	Iron-Catalyzed Dehydrocoupling/Dehydrogenation of Amineâ€“Boranes. Journal of the American Chemical Society, 2014, 136, 3048-3064.	6.6	106
7	Tuning the [L2Rhâ‹¯H3BÂ·NR3]+ interaction using phosphine bite angle. Demonstration by the catalytic formation of polyaminoboranes. Chemical Communications, 2011, 47, 3763.	2.2	104
8	Mechanism of Metal-Free Hydrogen Transfer between Amineâ€“Boranes and Aminoboranes. Journal of the American Chemical Society, 2012, 134, 16805-16816.	6.6	88
9	Coordination Complexes of Ph₃Sb²⁺ and Ph₃Bi²⁺: Beyond Pnictonium Cations. Angewandte Chemie - International Edition, 2014, 53, 3480-3483.	7.2	87
10	Interpnictogen Cations: Exploring New Vistas in Coordination Chemistry. Angewandte Chemie - International Edition, 2014, 53, 6050-6069.	7.2	83
11	Bipyridine complexes of E³⁺(E = P, As, Sb, Bi): strong Lewis acids, sources of E(OTf)₃and synthons for E^Iand E^Vcations. Chemical Science, 2015, 6, 6545-6555.	3.7	75
12	Heterogeneous Dehydrocoupling of Amineâ€“Borane Adducts by Skeletal Nickel Catalysts. Inorganic Chemistry, 2011, 50, 12680-12691.	1.9	73
13	Generation of aminoborane monomers RRâ€²NîBH2from amineâ€“boronium cations [RRâ€²NHâ€“BH2L]+: metal catalyst-free formation of polyaminoboranes at ambient temperature. Chemical Communications, 2014, 50, 12146-12149.	2.2	67
14	Catalytic Redistribution and Polymerization of Diborazanes: Unexpected Observation of Metal-Free Hydrogen Transfer between Aminoboranes and Amine-Boranes. Journal of the American Chemical Society, 2011, 133, 19322-19325.	6.6	65
15	Reactions of Amineâ€“ and Phosphaneâ€“Borane Adducts with Frustrated Lewis Pair Combinations of Group 14 Triflates and Sterically Hindered Nitrogen Bases. European Journal of Inorganic Chemistry, 2010, 2010, 3967-3975.	1.0	63
16	Establishing the Coordination Chemistry of Antimony(V) Cations: Systematic Assessment of Ph₄Sb(OTf) and Ph₃Sb(OTf)₂ as Lewis Acceptors. Chemistry - A European Journal, 2015, 21, 7902-7913.	1.7	61
17	â€œSpontaneousâ€•Ambient Temperature Dehydrocoupling of Aromatic Amineâ€“Boranes. Chemistry - A European Journal, 2012, 18, 4665-4680.	1.7	54
18	Mechanisms of the Thermal and Catalytic Redistributions, Oligomerizations, and Polymerizations of Linear Diborazanes. Journal of the American Chemical Society, 2013, 135, 12670-12683.	6.6	54

#	Article	IF	Citations
19	Synthesis and reactivity of cyclo-tetra(stibinophosphonium) tetracations: redox and coordination chemistry of phosphineâ€“antimony complexes. Chemical Science, 2015, 6, 2559-2574.	3.7	39
20	B-Methylated Amine-Boranes: Substituent Redistribution, Catalytic Dehydrogenation, and Facile Metal-Free Hydrogen Transfer Reactions. Inorganic Chemistry, 2015, 54, 10878-10889.	1.9	24
21	Exploring structural trends for complexes of Me2E(OSO2CF3)2 (E = Si, Ge, Sn) with pyridine derivatives. Chemical Communications, 2014, 50, 7979.	2.2	19
22	Experimental and Theoretical Studies of the Potential Interconversion of the Amineâ€“Borane iPr₂NHÂ·BH(C₆F₅)₂ and the Aminoborane iPr₂N=B(C₆F₅)₂ Involving Hydrogen Loss and Uptake. European Journal of Inorganic Chemistry, 2011, 2011, 5279-5287.	1.0	18
23	Synthesis and the Thermal and Catalytic Dehydrogenation Reactions of Amine-Thioboranes. Inorganic Chemistry, 2012, 51, 8254-8264.	1.9	18
24	Diverse Reactivity of the cyclo-Diphosphinophosphonium Cation [(PtBu)₃Me]⁺: Parallels with Epoxides and New catena-Phosphorus Frameworks. Journal of the American Chemical Society, 2014, 136, 14941-14950.	6.6	12
25	Balancing Steric and Electronic Effects in Carbonyl-Phosphine Molybdacarboranes. European Journal of Inorganic Chemistry, 2017, 2017, 4581-4588.	1.0	5
26	Bis(Î¼-disulfur dinitrido)bis[diphenyltin(IV)]. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m659-m659.	0.2	0