

Alasdair P M Robertson

List of Publications by Year in descending order

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26
papers

3,441
citations

304602

22
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477173

29
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docs citations

32
times ranked

2505
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing Steric and Electronic Effects in Carbonyl-Phosphine Molybdacarboranes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4581-4588.	1.0	5
2	B-Methylated Amine-Boranes: Substituent Redistribution, Catalytic Dehydrogenation, and Facile Metal-Free Hydrogen Transfer Reactions. <i>Inorganic Chemistry</i> , 2015, 54, 10878-10889.	1.9	24
3	Establishing the Coordination Chemistry of Antimony(V) Cations: Systematic Assessment of Ph ₄ Sb(OTf) and Ph ₃ Sb(OTf) ₂ as Lewis Acceptors. <i>Chemistry - A European Journal</i> , 2015, 21, 7902-7913.	1.7	61
4	Synthesis and reactivity of cyclo-tetra(stibinophosphonium) tetracations: redox and coordination chemistry of phosphine-antimony complexes. <i>Chemical Science</i> , 2015, 6, 2559-2574.	3.7	39
5	Bipyridine complexes of E ³⁺ (E = P, As, Sb, Bi): strong Lewis acids, sources of E(OTf) ₃ and synthons for E ⁺ and E ^V cations. <i>Chemical Science</i> , 2015, 6, 6545-6555.	3.7	75
6	Coordination Complexes of Ph ₃ Sb ²⁺ and Ph ₃ Bi ²⁺ : Beyond Pnictonium Cations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3480-3483.	7.2	87
7	Interpnictogen Cations: Exploring New Vistas in Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6050-6069.	7.2	83
8	Diverse Reactivity of the <i>cyclo</i> -Diphosphinophosphonium Cation [(P <i>t</i> Bu) ₃ Me] ⁺ : Parallels with Epoxides and New <i>catena</i> -Phosphorus Frameworks. <i>Journal of the American Chemical Society</i> , 2014, 136, 14941-14950.	6.6	12
9	Exploring structural trends for complexes of Me ₂ E(OSO ₂ CF ₃) ₂ (E = Si, Ge, Sn) with pyridine derivatives. <i>Chemical Communications</i> , 2014, 50, 7979.	2.2	19
10	Generation of aminoborane monomers RR ² NiBH ₂ from amine-boronium cations [RR ² NH ⁺ BH ₂ L] ⁺ : metal catalyst-free formation of polyaminoboranes at ambient temperature. <i>Chemical Communications</i> , 2014, 50, 12146-12149.	2.2	67
11	Iron-Catalyzed Dehydrocoupling/Dehydrogenation of Amine-Boranes. <i>Journal of the American Chemical Society</i> , 2014, 136, 3048-3064.	6.6	106
12	Mechanisms of the Thermal and Catalytic Redistributions, Oligomerizations, and Polymerizations of Linear Diborazanes. <i>Journal of the American Chemical Society</i> , 2013, 135, 12670-12683.	6.6	54
13	Synthesis and the Thermal and Catalytic Dehydrogenation Reactions of Amine-Thioboranes. <i>Inorganic Chemistry</i> , 2012, 51, 8254-8264.	1.9	18
14	Mechanism of Metal-Free Hydrogen Transfer between Amine-Boranes and Aminoboranes. <i>Journal of the American Chemical Society</i> , 2012, 134, 16805-16816.	6.6	88
15	Spontaneous Ambient Temperature Dehydrocoupling of Aromatic Amine-Boranes. <i>Chemistry - A European Journal</i> , 2012, 18, 4665-4680.	1.7	54
16	Tuning the [L ₂ Rh ⁺ H ₃ B ⁻ NR ₃] ⁺ interaction using phosphine bite angle. Demonstration by the catalytic formation of polyaminoboranes. <i>Chemical Communications</i> , 2011, 47, 3763.	2.2	104
17	Catching the First Oligomerization Event in the Catalytic Formation of Polyaminoboranes: H ₃ B ⁻ NMeHBH ₂ ⁻ Bound to Iridium. <i>Journal of the American Chemical Society</i> , 2011, 133, 11076-11079.	6.6	114
18	Catalytic Redistribution and Polymerization of Diborazanes: Unexpected Observation of Metal-Free Hydrogen Transfer between Aminoboranes and Amine-Boranes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19322-19325.	6.6	65

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19	Heterogeneous Dehydrocoupling of Amine-Borane Adducts by Skeletal Nickel Catalysts. <i>Inorganic Chemistry</i> , 2011, 50, 12680-12691.	1.9	73
20	Experimental and Theoretical Studies of the Potential Interconversion of the Amine-Borane $\text{Pr}_2\text{NH}\cdot\text{BH}(\text{C}_6\text{F}_5)_2$ and the Aminoborane $\text{Pr}_2\text{N}=\text{B}(\text{C}_6\text{F}_5)_2$ Involving Hydrogen Loss and Uptake. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5279-5287.	1.0	18
21	Photoactivated, Iron-Catalyzed Dehydrocoupling of Amine-Borane Adducts: Formation of Boron-Nitrogen Oligomers and Polymers. <i>Chemistry - A European Journal</i> , 2011, 17, 4099-4103.	1.7	136
22	Catalytic Dehydrocoupling/Dehydrogenation of <i>N</i> -Methylamine-Borane and Ammonia-Borane: Synthesis and Characterization of High Molecular Weight Polyaminoboranes. <i>Journal of the American Chemical Society</i> , 2010, 132, 13332-13345.	6.6	280
23	Reactions of Amine- and Phosphane-Borane Adducts with Frustrated Lewis Pair Combinations of Group 14 Triflates and Sterically Hindered Nitrogen Bases. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3967-3975.	1.0	63
24	Amine- and Phosphine-Borane Adducts: New Interest in Old Molecules. <i>Chemical Reviews</i> , 2010, 110, 4023-4078.	23.0	602
25	Ammonia-Borane and Related Compounds as Dihydrogen Sources. <i>Chemical Reviews</i> , 2010, 110, 4079-4124.	23.0	1,106
26	Bis($\frac{1}{4}$ -disulfur dinitrido)bis[diphenyltin(IV)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m659-m659.	0.2	0