

David J Liptrot

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,750
citations

22
h-index

41
g-index

57
ext. papers

2,078
ext. citations

8.5
avg, IF

5.21
L-index

#	Paper	IF	Citations
42	Alkaline earths as main group reagents in molecular catalysis. <i>Chemical Society Reviews</i> , 2016 , 45, 972-88	38.5	328
41	London dispersion forces in sterically crowded inorganic and organometallic molecules. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	204
40	Group 2 promoted hydrogen release from NMe ₂ H.BH ₃ : intermediates and catalysis. <i>Chemistry - A European Journal</i> , 2010 , 16, 8508-15	4.8	136
39	Magnesium-catalysed nitrile hydroboration. <i>Chemical Science</i> , 2016 , 7, 628-641	9.4	124
38	Selective reduction of CO ₂ to a methanol equivalent by B(C ₆ F ₅) ₃ -activated alkaline earth catalysis. <i>Chemical Science</i> , 2014 , 5, 2826-2830	9.4	105
37	Molybdenum-mediated carbonylation of aryl halides with nucleophiles using microwave irradiation. <i>Organic Letters</i> , 2010 , 12, 4280-3	6.2	93
36	Hetero-dehydrocoupling of silanes and amines by heavier alkaline earth catalysis. <i>Chemical Science</i> , 2013 , 4, 4212	9.4	81
35	Stoichiometric reactivity of dialkylamine boranes with alkaline earth silylamides. <i>Dalton Transactions</i> , 2011 , 40, 7783-90	4.3	64
34	The multiple bonding in heavier group 14 element alkene analogues is stabilized mainly by dispersion force effects. <i>Chemical Science</i> , 2015 , 6, 6235-6244	9.4	63
33	Alkaline-Earth-Catalyzed Dehydrocoupling of Amines and Boranes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13362-5	16.4	57
32	Stereoselective double Friedel-Crafts alkylation of indoles with divinyl ketones. <i>Organic Letters</i> , 2009 , 11, 1175-8	6.2	41
31	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14766-14769	16.4	37
30	Alkylstrontium diamidoboranes: Hydride elimination and Sr-C insertion. <i>Chemical Communications</i> , 2011 , 47, 9060-2	5.8	33
29	Heterobimetallic s-block hydrides by Ebond metathesis. <i>Chemistry - A European Journal</i> , 2014 , 20, 9871-4	4.8	32
28	Molybdenum-mediated synthesis of quinazolin-4(3H)-ones via cyclocarbonylation using microwave irradiation. <i>Tetrahedron Letters</i> , 2011 , 52, 3793-3796	2	31
27	Bespoke synthesis of unsymmetrical diaminoboranes by alkaline earth catalysis. <i>Chemical Communications</i> , 2013 , 49, 1960-2	5.8	30
26	New Synthesis of Aryl and Heteroaryl N-Acylureas via Microwave-Assisted Palladium-Catalysed Carbonylation. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 2183-2188	5.6	28

25	Accessing the single-electron manifold: magnesium-mediated hydrogen release from silanes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6224-7	16.4	26
24	Alkaline earth alkyl insertion chemistry of in situ generated aminoboranes. <i>Dalton Transactions</i> , 2013 , 42, 737-45	4.3	25
23	Beyond Dehydrocoupling: Group 2 Mediated Boron-Nitrogen Desilacoupling. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15280-3	16.4	24
22	Catalytic dehydrocoupling of amines and boranes by an incipient tin(ii) hydride. <i>Chemical Communications</i> , 2016 , 52, 13656-13659	5.8	23
21	Alane-Centered Ring Expansion of N-Heterocyclic Carbenes. <i>Organometallics</i> , 2017 , 36, 1173-1178	3.8	22
20	Novel aryl and heteroaryl acyl sulfamide synthesis via microwave-assisted palladium-catalyzed carbonylation. <i>Organic Letters</i> , 2010 , 12, 1264-7	6.2	19
19	Microwave-assisted palladium-catalysed carbonylations of aryl and heteroaryl halides with sulfamide nucleophiles utilising a solid CO source. <i>Tetrahedron Letters</i> , 2010 , 51, 5341-5343	2	17
18	Alkaline-Earth-Catalyzed Dehydrocoupling of Amines and Boranes. <i>Angewandte Chemie</i> , 2015 , 127, 13560-13563	3.6	16
17	A magnesium-mediated cascade assembly for the atom-economical synthesis of bis(imidazolidine-2,4-dione)s. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5364-7	16.4	16
16	Harnessing Plasticity in an Amine-Borane as a Piezoelectric and Pyroelectric Flexible Film. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7808-7812	16.4	14
15	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie</i> , 2016 , 128, 14986-14989	3.6	13
14	Recent Advances in Organic and Organic-Inorganic Hybrid Materials for Piezoelectric Mechanical Energy Harvesting. <i>Advanced Functional Materials</i> , 2019 , 29, 2109492	15.6	12
13	The first ring-expanded NHC-copper(i) phosphides as catalysts in the highly selective hydrophosphination of isocyanates. <i>Chemical Communications</i> , 2020 , 56, 13359-13362	5.8	11
12	Accessing the Single-Electron Manifold: Magnesium-mediated Hydrogen Release from Silanes. <i>Angewandte Chemie</i> , 2014 , 126, 6338-6341	3.6	9
11	Beyond Dehydrocoupling: Group 2 Mediated Boron-Nitrogen Desilacoupling. <i>Angewandte Chemie</i> , 2015 , 127, 15495-15498	3.6	4
10	Reductive dehydrocoupling of diphenyltin dihydride with LiAlH ₄ : selective synthesis and structures of the first bicyclo[2.2.1]heptastannane-1,4-diide and bicyclo[2.2.2]octastannane-1,4-diide. <i>Chemical Communications</i> , 2020 , 56, 336-339	5.8	3
9	Harnessing Plasticity in an Amine-Borane as a Piezoelectric and Pyroelectric Flexible Film. <i>Angewandte Chemie</i> , 2020 , 132, 7882-7886	3.6	2
8	Group 2 Mediated Dehydrocoupling. <i>Springer Theses</i> , 2016 ,	0.1	1

7	A Magnesium-Mediated Cascade Assembly for the Atom-Economical Synthesis of Bis(imidazolidine-2,4-dione)s. <i>Angewandte Chemie</i> , 2013 , 125, 5472-5475	3.6	1
6	A stable ring-expanded NHC-supported copper boryl and its reactivity towards heterocumulenes. <i>Dalton Transactions</i> , 2021 , 50, 16336-16342	4.3	1
5	The structures of ring-expanded NHC supported copper(I) triphenylstannyls and their phenyl transfer reactivity towards heterocumulenes.. <i>Dalton Transactions</i> , 2022 , 51, 831-835	4.3	0
4	Single Electron Transfer Steps in Group 2 Catalysis. <i>Springer Theses</i> , 2016 , 131-145	0.1	
3	Silicon and Germanium Complexes in Organic Synthesis 2021 ,		
2	Main Group Complexes in Polymer Synthesis 2021 ,		
1	Group 1-Group 2 Bimetallic Alkyls and Hydrides. <i>Springer Theses</i> , 2016 , 41-61	0.1	