

# David J Liptrot

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1712584/publications.pdf>

Version: 2024-02-01

41  
papers

2,322  
citations

257357

24  
h-index

265120

42  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkaline earths as main group reagents in molecular catalysis. <i>Chemical Society Reviews</i> , 2016, 45, 972-988.	18.7	411
2	London dispersion forces in sterically crowded inorganic and organometallic molecules. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	296
3	Magnesium-catalysed nitrile hydroboration. <i>Chemical Science</i> , 2016, 7, 628-641.	3.7	160
4	Group 2 Promoted Hydrogen Release from $\text{NMe}_2 \cdot \text{BH}_3$ : Intermediates and Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 8508-8515.	1.7	148
5	Selective reduction of $\text{CO}_2$ to a methanol equivalent by $\text{B}(\text{C}_6\text{F}_5)_3$ -activated alkaline earth catalysis. <i>Chemical Science</i> , 2014, 5, 2826-2830.	3.7	131
6	Recent Advances in Organic and Inorganic Hybrid Materials for Piezoelectric Mechanical Energy Harvesting. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	124
7	Molybdenum-Mediated Carbonylation of Aryl Halides with Nucleophiles Using Microwave Irradiation. <i>Organic Letters</i> , 2010, 12, 4280-4283.	2.4	100
8	Hetero-dehydrocoupling of silanes and amines by heavier alkaline earth catalysis. <i>Chemical Science</i> , 2013, 4, 4212.	3.7	100
9	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.	3.7	83
10	Stoichiometric reactivity of dialkylamine boranes with alkaline earth silylamides. <i>Dalton Transactions</i> , 2011, 40, 7783.	1.6	73
11	Alkaline Earth Catalyzed Dehydrocoupling of Amines and Boranes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13362-13365.	7.2	70
12	Stereoselective Double Friedel-Crafts Alkylation of Indoles with Divinyl Ketones. <i>Organic Letters</i> , 2009, 11, 1175-1178.	2.4	45
13	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14766-14769.	7.2	43
14	Molybdenum-mediated synthesis of quinazolin-4(3H)-ones via cyclocarbonylation using microwave irradiation. <i>Tetrahedron Letters</i> , 2011, 52, 3793-3796.	0.7	40
15	Bespoke synthesis of unsymmetrical diaminoboranes by alkaline earth catalysis. <i>Chemical Communications</i> , 2013, 49, 1960.	2.2	37
16	Alkylstrontium diamidoboranes: $\beta$ -hydride elimination and $\text{Sr-C}$ insertion. <i>Chemical Communications</i> , 2011, 47, 9060.	2.2	36
17	Heterobimetallic $\sigma$ -Block Hydrides by $\text{Ir-B}$ Bond Metathesis. <i>Chemistry - A European Journal</i> , 2014, 20, 9871-9874.	1.7	35
18	Accessing the Single-Electron Manifold: Magnesium-Mediated Hydrogen Release from Silanes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6224-6227.	7.2	34

#	ARTICLE	IF	CITATIONS
19	New Synthesis of Aryl and Heteroaryl <i>N</i> -Acylureas via Microwave-Assisted Palladium-Catalysed Carbonylation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2183-2188.	2.1	32
20	Catalytic dehydrocoupling of amines and boranes by an incipient tin(II) hydride. <i>Chemical Communications</i> , 2016, 52, 13656-13659.	2.2	32
21	Harnessing Plasticity in an Amine-Borane as a Piezoelectric and Pyroelectric Flexible Film. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7808-7812.	7.2	32
22	Alkaline earth alkyl insertion chemistry of in situ generated aminoboranes. <i>Dalton Transactions</i> , 2013, 42, 737-745.	1.6	29
23	Beyond Dehydrocoupling: Group 2-Mediated Boron-Nitrogen Desilacoupling. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15280-15283.	7.2	29
24	Alane-Centered Ring Expansion of <i>N</i> -Heterocyclic Carbenes. <i>Organometallics</i> , 2017, 36, 1173-1178.	1.1	27
25	The first ring-expanded NHC-copper phosphides as catalysts in the highly selective hydrophosphination of isocyanates. <i>Chemical Communications</i> , 2020, 56, 13359-13362.	2.2	27
26	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, 5364-5367.	7.2	21
27	Novel Aryl and Heteroaryl Acyl Sulfamide Synthesis via Microwave-Assisted Palladium-Catalyzed Carbonylation. <i>Organic Letters</i> , 2010, 12, 1264-1267.	2.4	20
28	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.	0.7	19
29	Dispersion Forces, Disproportionation, and Stable High-Valent Late Transition Metal Alkyls. <i>Angewandte Chemie</i> , 2016, 128, 14986-14989.	1.6	13
30	A stable ring-expanded NHC-supported copper borol and its reactivity towards heterocumulenes. <i>Dalton Transactions</i> , 2021, 50, 16336-16342.	1.6	8
31	A Copper(I) Platform for One-Pot C-H Bond Formation and Hydrophosphination of Heterocumulenes. <i>ACS Catalysis</i> , 2022, 12, 8214-8219.	5.5	8
32	<i>N</i> -Heterocyclic Phosphines as Precatalysts for the Highly Selective Degradation of Poly(lactic acid). <i>ChemCatChem</i> , 2022, 14, .	1.8	7
33	Reductive dehydrocoupling of diphenyltin dihydride with LiAlH <sub>4</sub> : 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.	2.2	5
34	Harnessing Plasticity in an Amine-Borane as a Piezoelectric and Pyroelectric Flexible Film. <i>Angewandte Chemie</i> , 2020, 132, 7882-7886.	1.6	5
35	The structures of ring-expanded NHC supported copper triphenylstannyls and their phenyl transfer reactivity towards heterocumulenes. <i>Dalton Transactions</i> , 2022, 51, 831-835.	1.6	3
36	Group 2 Mediated Dehydrocoupling. <i>Springer Theses</i> , 2016, , .	0.0	2

#	ARTICLE	IF	CITATIONS
37	A Terphenyl Supported Dioxophosphorane Dimer: the Light Congener of Lawesson's and Woollins's Reagents. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	2
38	Philip Power at 65: an icon of organometallic chemistry. <i>Dalton Transactions</i> , 2018, 47, 5529-5532.	1.6	1
39	Group 1-Group 2 Bimetallic Alkyls and Hydrides. <i>Springer Theses</i> , 2016, , 41-61.	0.0	0
40	Silicon and Germanium Complexes in Organic Synthesis. , 2021, , .		0
41	Main Group Complexes in Polymer Synthesis. , 2021, , .		0