

# Nathan T Coles

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Borane Adducts of Aromatic Phosphorus Heterocycles: Synthesis, Crystallographic Characterization and Reactivity of a Phosphinine-B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> Lewis Pair. Chemistry - A European Journal, 2022, 28, .	3.3	5
2	Highly flexible phosphabenzenes: a missing coordination mode of 2,4,6-triaryl-1,3-phosphinines. Chemical Communications, 2022, 58, 6184-6187.	4.1	2
3	One-step methylation of aromatic phosphorus heterocycles: synthesis and crystallographic characterization of a 1-methyl-phosphinium salt. Chemical Communications, 2021, 57, 9522-9525.	4.1	6
4	Room temperature iron catalyzed transfer hydrogenation using <i>n</i> -butanol and poly(methylhydrosiloxane). Green Chemistry, 2021, 23, 2703-2709.	9.0	17
5	Phosphinine-based ligands: Recent developments in coordination chemistry and applications. Coordination Chemistry Reviews, 2021, 433, 213729.	18.8	39
6	Making Aromatic Phosphorus Heterocycles More Basic and Nucleophilic: Synthesis, Characterization and Reactivity of the First Phosphinine Selenide. Chemistry - A European Journal, 2021, 27, 12788-12795.	3.3	16
7	Heterobimetallic Complexes of 1,1-Diphosphineamide Ligands. Organometallics, 2021, 40, 148-155.	2.3	4
8	Photochemical C(sp) <sup>2</sup> Bond Activation in Phosphaalkynes: A New Route to Reactive Terminal Cyphido Complexes L <sub>n</sub> M-C <sub>≡</sub> P. Journal of the American Chemical Society, 2021, 143, 19365-19373.	13.7	24
9	Seeking Heteroatom-Rich Compounds: Synthetic and Mechanistic Studies into Iron Catalyzed Dehydrocoupling of Silanes. ACS Catalysis, 2020, 10, 6102-6112.	11.2	25
10	Room Temperature Iron-Catalyzed Transfer Hydrogenation and Regioselective Deuteration of Carbon-Carbon Double Bonds. Journal of the American Chemical Society, 2019, 141, 572-582.	13.7	79
11	Phosphine- and Amine-Borane Dehydrocoupling Using a Three-Coordinate Iron(II) $\eta^2$ -Diketimate Precatalyst. Organometallics, 2017, 36, 2262-2268.	2.3	59
12	Iron Catalyzed Dehydrocoupling of Amine and Phosphine-Boranes. Israel Journal of Chemistry, 2017, 57, 1070-1081.	2.3	19