

LIST OF PUBLICATIONS

[34] **P. Coburger**, C. Schweinzer, Z. Li, H. Grützmacher, Reversible Single Electron Redox Steps Convert Polycycles with a C_3P_3 Core to a Planar Triphosphinine, *Angew. Chem. Int. Ed.* **2023** (accepted article, shared corresponding author with H. Grützmacher).

[33] T. Görlich, **P. Coburger**, E. Yang, J. Goicoechea, H. Grützmacher, C. Müller, The Chemistry of the Cyaphide Ion, *Angew. Chem. Int. Ed.* **2023** (accepted article).

[32] M. Scharnhölz, **P. Coburger**, H. Beer, J. Bresien, A. Schulz and H. Grützmacher, A comparative study of biradicaloids as ligands in iron tetracarbonyl complexes, *Arkivoc* **2022**, part iii, 327 – 338.

[31] **P. Coburger**, F. Masero, J. Bösken, V. Mougel, H. Grützmacher, A Germapyramidane Switches Between 3D Cluster and 2D Cyclic Structures in Single-Electron Steps, *Angew. Chem. Int. Ed.* **2022**, *61*, e202211749. (joint corresponding author with V. Mougel and H. Grützmacher).

[30] M. T. Scharnhölz, **P. Coburger**, L. Gravogl, D. Klose, J. J. Gamboa-Carballo, G. Le Corre, J. Bösken, C. Schweinzer, D. Thöny, K. Meyer, Z. Li, H. Grützmacher, Bis(imidazolium)-1,3-diphosphete-diide: A Building Block for FeC_2P_2 Complexes and Clusters, *Angew. Chem. Int. Ed.* **2022**, *61*, e202205371. (joint corresponding author with H. Grützmacher).

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[27] U. Fischbach, M. Vogt, **P. Coburger**, M. Trincado, H. Grützmacher, Trigonal Bipyramidal Rhodium(I) Methyl and Phenyl Complexes: Precursors of Oxidative Methyl and Phenyl Radical Generation, *Inorganics* **2022**, *10*, 28.

[26] G. Hierlmeier, **P. Coburger**, D. J. Scott, T. M. Maier, S. Pelties, R. Wolf, D. M. Pividori, K. Meyer, N. P. van Leest, B. de Bruin, Di-*tert*-butyldiphosphatetrahedrane as a Source of 1,2-Diphosphacyclobutadiene Ligands, *Chem. Eur. J.* **2021**, *27*, 14936-14946.

[25] M. Margeson, F. Seeberger, J. Kelly, J. Leidl, **P. Coburger**, R. Szlosek, C. Müller, R. Wolf, Expedient Hydrofunctionalisation of Carbonyls and Imines Initiated by Phosphacyclohexadienyl Anions, *ChemCatChem*. **2021**, *13*, 3761-3764.

[24] **P. Coburger**, J. Leidl, D. Scott, G. Hierlmeier, I. Shenderovich, E. Hey-Hawkins, R. Wolf, Synthesis of a Carborane-substituted Bis(phosphanido) Cobaltate(I), Ligand Substitution, and Unusual P₄ Fragmentation, *Chem. Sci.* **2021**, *12*, 11225-11235.

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[22] T. Maier, M. Gawron, **P. Coburger**, M. Bodensteiner, N. van Leest, B. de Bruin, S. Demeshko, F. Meyer, R. Wolf, Low-Valence Anionic α -Diimine Iron Complexes: Synthesis, Characterization, and Catalytic Hydroboration Studies, *Inorg. Chem.* **2020**, *59*, 16035-16052.

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[20] A. Straube, **P. Coburger**, L. Dütsch, E. Hey-Hawkins, Triple the fun: tris (ferrocenyl) arene-based gold (I) complexes for redox-switchable catalysis, *Chem. Sci.* **2020**, *39*, 10657-10682.

[19] G. Hierlmeier, **P. Coburger**, N. P. van Leest, B. de Bruin, R. Wolf, Aggregation and Degradation of White Phosphorus Mediated by N-Heterocyclic Carbene Nickel(0) Complexes, *Angew. Chem. Int. Ed.* **2020**, *59*, 14148-14153.

[18] J. Leidl, A. R. Jupp, E. R. M. Habraken, V. Streitferdt, **P. Coburger**, D. J. Scott, R. M. Gschwind, C. Müller, J. C. Slootweg, Robert Wolf, A phosphinine-derived 1-phospha-7-bora-norbornadiene: frustrated Lewis pair type activation of triple bonds, *Chem. Eur. J.* **2020**, *26*, 7788-7800.

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[15] G. Hierlmeier, **P. Coburger**, M. Bodensteiner, R. Wolf, Di-tert-butylidiphosphatetrahedrane: Catalytic Synthesis of the Elusive Phosphaalkyne Dimer, *Angew. Chem. Int. Ed.* **2019**, *58*, 16918-16922.

[14] J. Leitzl, M. Marquardt, **P. Coburger**, D. J. Scott, V. Streitferdt, R. M. Gschwind, C. Müller, R. Wolf, Facile C=O Bond Splitting of Carbon Dioxide Induced by Metal-Ligand Cooperativity in a Phosphinine Iron(0) Complex, *Angew. Chem. Int. Ed.* **2019**, *58*, 15407-15411.

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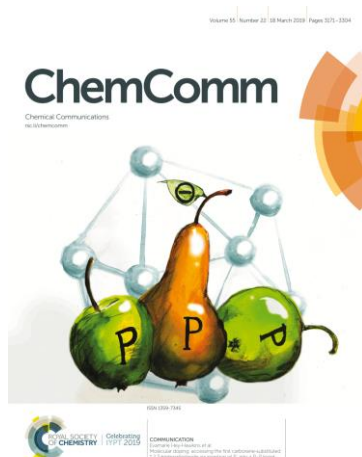
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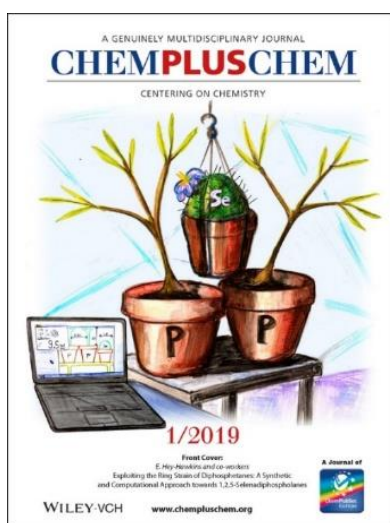
[9] **P. Coburger**, H. Grützmacher, E. Hey-Hawkins, Molecular Doping: Accessing the First Carborane-substituted 1,2,3-Triphospholane *via* Insertion of P^- into a P–P bond, *Chem. Commun.* **2019**, 55, 3187-3190 (Inside Front Cover).



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