

COMPLETE LIST OF PUBLICATIONS (in chronological order, a star marks corresponding author and joint corresponding author papers)

[54] D. Zuber, M. Neuwirt, **P. Coburger***, Diphosphaindenyl π -Complexes as a Platform for Hapticity-Controlled Metaloligand Design, *Dalton Trans.* **2026**, (DOI: 10.1039/d6dt01221c).

[53] S.S. Cremer, **P. Coburger**, C. Czernetzki, G Hierlmeier*, Catalytic Sulfur-Atom Transfer Enabled by a Bis (disulfide) Titanium Complex, *Angew. Chem. Int. Ed.* **2026**, e5196140.

[52] L.N. Kreimer, **P. Coburger**, T. Hadlington*, Phosphanylidenes for effective optical tuning of aromatic hydrocarbons, *Inorg. Chem. Front.* **2026**, (DOI: 10.1039/d6qi01172a).

[51] K. L. Deuter, S. Pavlidis, R. F. Winter*, **P. Coburger***, J. Abbenseth*, Phosphorescence of Heavy, T-Shaped Pnictogen Trisamides in Solution at Room Temperature in the Near-Infrared II Region, *Chem. Eur. J.* **2026**, e71049.

[50] M. Hegelmann, S. Frei, J. Zuber, J. Luibl, W. Korth, A. Jess, **P. Coburger**, M. Cokoja*, Azobenzene-Functionalized Ionic Liquids: Light-Responsive Surfactants With Catalytic Potential, *ChemistryOpen* **2026**, 15, e70203.

[49] S. Frei, M. Neuwirt, **P. Coburger***, Modular Design Enables Access to Onium-Substituted Diphosphacyclobutadienyl Complexes, *CEUR* **2026**, 4, e202500475.

[48] C. Fajman, D. Dankert, **P. Coburger**, W. Klein, T. Fässler, Endohedral anionic nine-atom Zintl clusters of the elements tin and lead with lithium counterions, *Chem. Sci.* **2026**, 17, 5498 - 5509.

[47] Z. Li, J. Borger, T. Gianetti, F. Müller, B. Pribanic, **P. Coburger***, H Grützmacher*, Sodium phosphaehtynolate as P-source for the synthesis of molecular rhodium phosphides: an exploratory study, *Dalton Trans.* **2025**, 54, 16718 - 16726.

[46] D. Zuber, S. Frei, **P. Coburger***, π -Complexes of Main-group Metal cations: Exploration of Lewis acid reactivity, *CEUR* **2025**, 3, e20250199 (front cover).



[45] D. Zuber, O. Storcheva, K. P. Lüttke, L. Brunk, **P. Coburger***, Redox-induced Dimerisations of a phosphacyclic Biradicaloid, *Chem. Commun.* **2025**, 61, 2798 – 2801.

[44] **P. Coburger,*** T. Hadlington,* , On the role of aurophilic interactions in determining geometries in $[\text{Pn}(\text{AuL})_4]^+$ complexes (Pn = N, P, As), *ZAAC* **2024**, e202400198.

[43] M. Scharnhölz, J. J. Gamboa Carballo, N. Trapp, R. Verel, **P. Coburger,*** H. Grützmacher,* $(\text{Ph}_3\text{P})_4\text{C}_4\text{P}_4$: Effect of substitution on the Oligomerization of carbon phosphide radicals, *ChemistryEurope* **2024**, e202400061 (front cover).



[42] D. Scott, J. Cammarata, F. Westermair, **P. Coburger**, D. Duvinage, M. Janssen, M. Uttendorfer, J. Beckmann, R. Gschwind, R. Wolf, Unravelling White Phosphorus: Experimental and Computational Studies Reveal the Mechanisms of P_4 Hydrostannylation, *Angew. Chem. Int. Ed.* **2024**, e202408423.

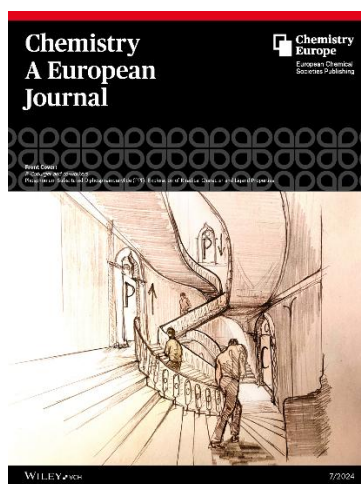
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[38] G. Hierlmeier, R. Kutta, **P. Coburger**, H.-G. Stammler, J. Schwabedissen, N. Mitzel, M. Dimitrova, R. Berger, P. Nuernberger, R. Wolf, Structure and photochemistry of di-tertbutyldiphosphatetrahedrane, *Chem. Sci.* **2024**, *15*, 5596 - 5603.

[37] **P. Coburger**,* D. Zuber, C. Schweinzer, M. Scharnhölz, Phosphonium-substituted Diphosphaindenylide (PPI): Exploration of Biradical Character and Ligand Properties, *Chem. Eur. J.* **2023**, e202302970 (part of the collection “Chemistry of the p-Block Elements”, front cover and cover feature).



[36] **P. Coburger**,* Redox-chemistry of Pyramidanes: A DFT Study, *Eur. J. Inorg. Chem.* **2023**, e202300596 (part of the collection “Inorganic Reaction Mechanisms”).

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[33] T. Görlich, **P. Coburger**, E. Yang, J. Goicoechea, H. Grützmacher, C. Müller, The Chemistry of the Cyaphide Ion, *Angew. Chem. Int. Ed.* **2023**, 62, e202217749.

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[31] **P. Coburger**,* F. Masero, J. Böskén, V. Mougél,* H. Grützmacher,* A Germapyramidane Switches Between 3D Cluster and 2D Cyclic Structures in Single-Electron Steps, *Angew. Chem. Int. Ed.* **2022**, 61, e202211749. (Hot Paper “Main-group chemistry”, joint corresponding author with V. Mougél and H. Grützmacher).

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[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.

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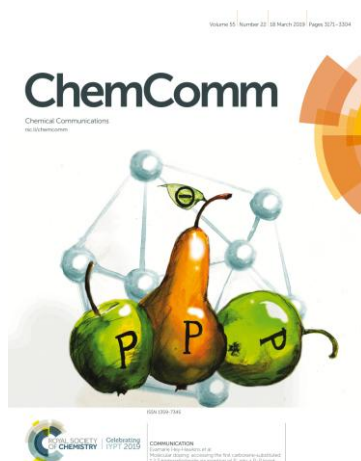
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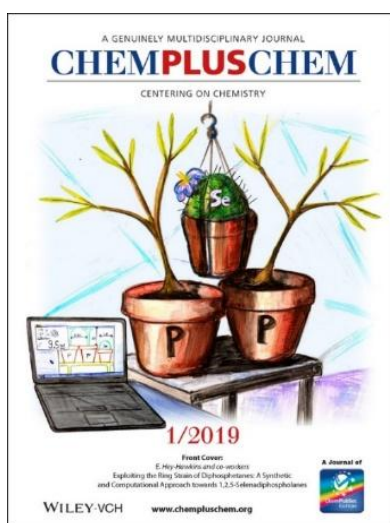
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