SCHRIFTEN- UND VORTRAGSVERZEICHNIS / LIST OF PUBLICATIONS (11.10.2022)
CHRISTIAN P. SINDLINGER

A) PUBLIKATIONEN NACH BEGUTACHTUNG / PUBLICATIONS WITH PEER-REVIEW:

37. M. Golfmann, **C. P. Sindlinger***
Assessing an Elusive 3,4-Dimethyl-Chloroborole
European Journal of Inorganic Chemistry, **2022**, *27*, e202200359.

36. J.Sarcevic, T. Heitkemper, **C. P. Sindlinger***
Borole-based half-sandwich complexes of germanium and tin
Chemical Communications, **2022**, *58*, 246-249.

35. C. M. Legendre, A. C. Stückl, **C. P. Sindlinger**, R. Herbst-Irmer, D. Stalke*
Isolation and Properties of the Long Elusive Deep Blue Soluble $[K_3\{(NtBu)_3S\}_2]$* Cage Radical
Angewandte Chemie International Edition, **2022**, *61*, e202115026.

34. T. Heitkemper, L. Naß, **C. P. Sindlinger***
A Boratafulvene
Angewandte Chemie International Edition, **2021**, *60*, 20055 - 20060.

33. C. Wilhelm, D. Raiser, H. Schubert, **C. P. Sindlinger**, L. Wesemann*
Phosphine-Stabilized Germasilenylidene: Source for a Silicon-Atom Transfer
Inorganic Chemistry **2021,** *60*, 9268 – 9272.

32. J. Kretsch, A. Kreyenschmidt, T. Schillmöller, **C. P. Sindlinger**, R. Herbst-Irmer, D. Stalke*
Group 13 Heavier Carbene Analogues Stabilized by the Bulky Bis(4-benzhydryl-benzoxazol-2-yl)methanide Ligand
Inorganic Chemistry **2021,** *60*, 7389-7398.

31. M. Widemann, K. Eichele, H. Schubert, **C. P. Sindlinger**, S. Klenner, R. Pöttgen, L. Wesemann*
Synthesis and Hydrogenation of heavy homologues of rhodium carbynes: $[(Me_3P)_2(Ph_3P)Rh{\equiv}E\text{-}Ar^*]$ (E = Sn, Pb)
Angewandte Chemie International Edition **2021***; 60*, 5882-5889.
Angewandte Chemie **2021***; 133*, 5946-5953.

30. R. J Mangan, A. R. Davies, J. Hicks, **C. P. Sindlinger**, A. L. Thompson, S. Aldridge*
Synthesis, structure and reactivity of terphenyl-substituted germylium-ylidene cations
Polyhedron **2021,** *196*, 115006.

29. T. Heitkemper, J. Sarcevic, **C. P. Sindlinger***
A Neutral Si(II) Half-Sandwich Compound
Journal of the American Chemical Society ***2020,*** *142*, 21304-21309.
Highlight in: *Nachrichten aus der Chemie* **2021**, *69* (2), 46-49.

28. A. Münch, L. Knauer, H. Ott, **C. P. Sindlinger**, R. Herbst-Irmer, C. Strohmann*, D. Stalke*
Insight in Bonding and Aggregation of Alkyllithiums by Experimental Charge Density Studies and Energy Decomposition Analyses
Journal of the American Chemical Society **2020**, *142*, 15897-15906.

27. T. Heitkemper, **C. P. Sindlinger***
An NHC-supported Borole Cation
Chemistry – European Journal **2020**, *26*, 11684-11689.
Cover Feature: DOI: 10.1002/chem.202002763
Highlight in: *Nachrichten aus der Chemie* **2020**, *68* (10), 44-47.

26. T. Heitkemper, L. Naß, **C. P. Sindlinger***
2,5-bis-Trimethylsilyl substituted Boroles
Dalton Transactions **2020***, 49*, 2706-2014.

25. D. Raiser, **C. P Sindlinger**, H. Schubert, L. Wesemann*
Ge=B π-bonding: Synthesis and Reversible [2+2] Cycloaddition of Germaborenes
Angewandte Chemie International Edition **2020***; 59*, 3151-3155
Angewandte Chemie **2020***; 132*, 3175-3180.

24. R. J. Mangan, A. Rit, **C. P. Sindlinger**, R. Tirfoin, J. Campos, J. Hicks, K. E. Christensen, H. Niu, S. Aldridge*
Activation of Protic, Hydridic and Apolar E−H Bonds by a Boryl-Substituted Ge^{II} Cation
Chemistry – European Journal **2020***, 26*, 306-315.

23. **C. P. Sindlinger***, P. N. Ruth
A Neutral "Aluminocene" Sandwich-Complex: η^1 vs. η^5-Coordination Modes of a Pentaarylborole with ECp* (E = Al, Ga; Cp*=C_5Me_5).
Angewandte Chemie International Edition **2019**, *58*, 15051 – 15056.
Angewandte Chemie **2019**, *131*, 15193 – 15198.

22. J.-J. Maudrich, M. Wideman, F. Diab, R. H. Kern, P. Sirsch, **C. P. Sindlinger**, H. Schubert, L. Wesemann
Hydridoorganostannylene coordination - Group 4 metallocene dichloride reduction in reaction with organodihydridostannate anions.
Chemistry – European Journal **2019***; 25*, 16081 – 16087.

21. T. Heitkemper, **C. P. Sindlinger***
Electronic Modulation by Push-Pull-Substituents in Pentaaryl Boroles.
Chemistry – European Journal **2019**, *25*, 6628 –6637.

20. F. Diab, F. S. W. Aicher, **C. P. Sindlinger**, K. Eichele, H. Schubert, L. Wesemann*
Reductive Elimination and Oxidative Addition of Hydrogen at Organostannylium and Organogermylium Cations.
Chemistry – European Journal **2019**, *25*, 4426-4434.

19. **C. P. Sindlinger**, S. R. Lawrence, S. Acharya, C. A. Ohlin, A. Stasch*
PNacPNacE: (E = Ga, In, Tl) – monomeric group 13 metal(I) heterocycles stabilized by a sterically demanding bis(iminophosphoranyl)methanide.
Dalton Transactions **2017**, *46*, 16872-16877.

18. J. A. B. Abdalla, A. Caise, **C. P. Sindlinger**, R. Tirfoin, A. L. Thompson, A. J Edwards, S. Aldridge*
Structural snapshots of concerted double Ga-H bond activation at a transition metal center.
Nature Chemistry **2017**, *9*, 1256 – 1262.

17. J. Schneider, **C. P. Sindlinger**, K. Eichele, H. Schubert, L. Wesemann*
Low-Valent Lead Hydride and Its Extreme Low-Field ^{1}H NMR Chemical Shift.
Journal of the American Chemical Society **2017**, *139 (19),* 6542-6545.

16. **C. P. Sindlinger**, S. R. Lawrence, D. B. Cordes, A. M. Z. Slawin, A. Stasch*
Methanediide Formation via Hydrogen Elimination in Magnesium versus Aluminium Hydride Complexes of a Sterically Demanding Bis(iminophosphoranyl)methanediide.
Inorganics **2017**, *5(2),* 29.

15. J.-J. Maudrich, **C. P. Sindlinger**, F.S.W. Aicher, K. Eichele, H. Schubert, L. Wesemann*
Reductive eliminiation of hydrogen from bis(trimethylsilyl)methyltin trihydride and mesityltin tihydride.
Chemistry – A European Journal **2017**, *23*, 2192 – 2200.

14. **C. P. Sindlinger***, F.S.W. Aicher, H. Schubert, L. Wesemann*
Reductive Dehydrogenation of a Stannane *via* Multiple Sn-H Activation by Frustrated Lewis-Pairs.
Angewandte Chemie International Edition **2017**, *56*, 2198 – 2202.
Angewandte Chemie **2017**, *129*, 2232 – 2236.

13. **C. P. Sindlinger***, F.S.W. Aicher, L. Wesemann*
Cationic Stannylenes: *in situ*-Generation and NMR spectroscopic characterisation.
Inorganic Chemistry **2017**, *56*, 548 – 560.

12. J. Schneider, **C. P. Sindlinger**, S. M. Freitag, H. Schubert, L. Wesemann*
Diverse Activation Modes in Hydroboration of Aldehydes and Ketones with Germanium, Tin and Lead Lewis pairs.
Angewandte Chemie International Edition **2017**, *56,* 333 – 337.
Angewandte Chemie **2017**, *129*, 339 – 343.

11. D. Dange, **C. P. Sindlinger**, S. Aldridge, C. Jones*
Boryl substituted group 13 meallylenes: complexes with an iron carbonyl fragment.
Chemical Communications **2017**, *53,* 149 – 152.

10. **C. P. Sindlinger**, W. Grahneis, S.W. Aicher, L. Wesemann*
Access to base adducts of low-valent organotin hydride compounds by controlled, stepwise hydrogen abstraction from a tetravalent organotin trihydride.
Chemistry – A European Journal **2016***, 22*, 7554 – 7566.

9. **C. P. Sindlinger**, L. Wesemann*
Dimeric platinum-stannylene complexes by two-fold ligand transfer from an NHC adduct to an organotin(II) hydride.
Chemical Communications **2015**, *51*, 11421-11424.

8. **C. P. Sindlinger**, A.Stasch, H. F. Bettinger, L. Wesemann*
A Nitrogen-base catalyzed generation of organotin(II) hydride from an organotin trihydride under reductive dihydrogen elimination.
Chemical Science **2015**, *6*, 4737-4751.

7. **C. P. Sindlinger**, S. Weiß, H. Schubert, L. Wesemann*
Nickel Triad complexes of a side-on coordinating distannene.
Angewandte Chemie International Edition **2015**, *54*, 4087-4091.
Angewandte Chemie **2015**, *127*, 4160-4164.

6. C. Bolli, J. Derendorf, C. Jenne*, H. Scherer, **C. P. Sindlinger**, B. Wegener
Synthesis and Properties of the Weakly Coordinating Anion $[Me_3NB_{12}Cl_{11}]^-$.
Chemistry –A European Journal **2014**, *20*, 13783-13792.

5. **C. P. Sindlinger**, A. Stasch*
Synthesis, structures and flexible coordination of sterically demanding di and „tri"-lithiated methandiides.
Dalton Transactions **2014**, *43*, 14334-14345.

4. **C. P. Sindlinger**, L. Wesemann*
Hydrogen abstraction from organotin di- and trihydrides by *N*-heterocyclic carbenes: a new method for the preparation of NHC adducts to tin(II) species and observation of an isomer of a hexastannabenzene derivative [R_6Sn_6].
Chemical Science **2014**, *5*, 2739-2746.

3. **C. P. Sindlinger**, A. Stasch, L. Wesemann*
Heavy Group 15 Element Compounds of a Sterically Demanding Bis(iminophosphorane)-methanide and –methanediide.
Organometallics **2014**, *33*, 322-328.

2. **C. P. Sindlinger**, A. Stasch*
Aluminium Complexes of a Sterically Demanding Bis(iminophosphorane)methandiide.
Australian Journal of Chemistry **2013**, *66*, 1219-1225.

1. T. Froehr, **C. P. Sindlinger,** U. Kloeckner, P. Finkbeiner, B. J. Nachtsheim*
A Metal-free Amination of Benzoxazoles – The First Example of an Iodide-Catalyzed Oxidative Amination of Heteroarenes.
Organic Letters **2011**, *13*, 3754-3757.

B) SONSTIGE ZEITSCHRIFTENBEITRÄGRE / FURTHER PUBLICATIONS WITHOUT PEER-REVIEW:

4. **C. P. Sindlinger***
Bor mit Biss – Blickpunkt Nachwuchs im Rahmen des ADUC-Preises
*Nachrichten aus der Chemie **2021**, 69*, (5) 82-83.

3. **C. P. Sindlinger***, C. Hering-Junghans*
Trendberichte Anorganische Molekülchemie 2020
*Nachrichten aus der Chemie **2021**, 69*, (1) 52-66.

2. **C. P. Sindlinger***, C. Hering-Junghans*
Trendberichte Anorganische Molekülchemie 2019
Nachrichten aus der Chemie **2020**, *68*, (1) 50 – 64.

1. **C. P. Sindlinger***, C. Hering-Junghans*
Trendberichte Anorganische Molekülchemie 2018
Nachrichten aus der Chemie **2019**, *67*, (1) 46 – 64.

C) MONOGRAPHIEN / MONOGRAPHS:

2. **C. P. Sindlinger**, Dissertation, Eberhard Karls Universität Tübingen (2015):
„Strategien zur selektiven Dehydrogenierung von Organozinnhydriden und Beiträge zur Chemie ihrer Derivate".

1. **C. P. Sindlinger**, Diplomarbeit, Eberhard Karls Universität Tübingen (2012): „Untersuchungen zur Darstellung von heterozyklischen Verbindungen der schweren Gruppe 15 Elemente mit mono- und dianionischen Ligandsystemen".