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**SCHRIFTEN UND VORTRAGSVERZEICHNIS / LIST OF PUBLICATIONS (13.02.2020)**  
**CHRISTIAN P. SINDLINGER**

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

26. T. Heitkemper, L. Naß, **C. P. Sindlinger\***  
2,5-bis-Trimethylsilyl substituted Boroles  
*Dalton Transactions* **2020**. DOI: 10.1039/D0DT00393J
25. D. Raiser, **C. P. Sindlinger**, H. Schubert, L. Wesemann\*  
Ge=B  $\pi$ -bonding: Synthesis and Reversible [2+2] Cycloaddition of Germaborenes  
*Angewandte Chemie International Edition* **2020**; in press. DOI: 10.1002/anie.201914608
24. R. J. Mangan, A. Rit, **C. P. Sindlinger**, R. Tifoin, 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<sup>II</sup> Cation  
*Chemistry – European Journal* **2020**, *26*, 306–315.
23. **C. P. Sindlinger\***, P. N. Ruth  
a. A Neutral “Aluminocene” Sandwich-Complex:  $\eta^1$  vs.  $\eta^5$ -Coordination Modes of a Pentaarylborole with ECp\* (E = Al, Ga; Cp\* = C<sub>5</sub>Me<sub>5</sub>).  
*Angewandte Chemie International Edition* **2019**, *58*, 15051 – 15056.  
b. Ein neutraler “Aluminocen”-Sandwich-Komplex:  $\eta^1$ - vs.  $\eta^5$ -Koordination eines Pentaarylborols mit ECp\* (E=Al, Ga; Cp\*=C<sub>5</sub>Me<sub>5</sub>).  
*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  
Hyridoorganostannylene 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 Organogermlyium 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  $^1\text{H}$  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 elimination of hydrogen from bis(trimethylsilyl)methyltin trihydride and mesityltin trihydride.  
*Chemistry – A European Journal* **2017**, *23*, 2192 – 2200.
14. **C. P. Sindlinger\***, F.S.W. Aicher, H. Schubert, L. Wesemann\*
  - a. Reductive Dehydrogenation of a Stannane *via* Multiple Sn-H Activation by Frustrated Lewis-Pairs.  
*Angewandte Chemie International Edition* **2017**, *56*, 2198 – 2202.
  - b. Reduktive Dehydrierung eines Stannans durch mehrfache Sn-H-Aktivierung mit einem frustrierten Lewis-Paar.  
*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\*
  - a. Diverse Activation Modes in Hydroboration of Aldehydes and Ketones with Germanium, Tin and Lead Lewis pairs.  
*Angewandte Chemie International Edition* **2017**, *56*, 333 – 337.
  - b. *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\*
  - a. Nickel Triad complexes of a side-on coordinating distannene.  
*Angewandte Chemie International Edition* **2015**, *54*, 4087-4091.
  - b. Distannenkomplexe der Nickeltriade.  
*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<sub>3</sub>NB<sub>12</sub>Cl<sub>11</sub>].  
*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<sub>6</sub>Sn<sub>6</sub>].  
*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.

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#### **B) SONSTIGE ZEITSCHRIFTENBEITRÄGE / FURTHER PUBLICATIONS WITHOUT PEER-REVIEW:**

2. **C. P. Sindlinger\***, C. Hering-Junghans\*  
Trendberichte Anorganische Molekülchemie 2019  
*Nachrichten aus der Chemie* **2020**, *68*, 50 – 64.
1. **C. P. Sindlinger\***, C. Hering-Junghans\*  
Trendberichte Anorganische Molekülchemie 2018  
*Nachrichten aus der Chemie* **2019**, *67*, 46 – 64.

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#### **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“.

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**D) VORTRÄGE NACH AUSWAHLVERFAHREN ODER EINLADUNG / TALKS WITH PEER-REVIEW:**

5. **C. P. Sindlinger\***  
*“Von niedervalenten Zinn-Hydriden zu funktionalisierten Boracyclopentadienen”*  
Universität Innsbruck, 30.04.2019.
4. **C. P. Sindlinger\***  
*“Bringing them to the Limits – Electronic Modification of Boroles”*  
GDCh Weihnachtskolloquium, Universität Göttingen, 12.12.2018.
3. **C. P. Sindlinger\***  
*“The controlled dehydrogenation of stannanes – Precursors for low-valent tin chemistry”*  
Anorganisch Chemisches Institutskolloquium, Universität Göttingen, 30.01.2018.
2. **C. P. Sindlinger\***  
*“Cationic Derivatives of Hydrostannylene Base-Adducts”*  
15<sup>th</sup> International Conference on Germanium, Tin and Lead 2016, Pardubice, Czech Republic, August 2016.
1. **C. P. Sindlinger\***  
*“Selective Release of Dihydrogen – Organotin(IV) Hydrides as Precursors for low-oxidation state Sn(II) chemistry”*  
Dalton 2016, Dalton Division Meeting, Royal Society of Chemistry, Warwick, UK, 26.03.2016.

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**E) SONSTIGE BEITRÄGE / OTHER PUBLICATIONS AND TALKS WITHOUT PEER-REVIEW:**

9. **C. P. Sindlinger**  
*„Electronic Modification of Boroles“*  
Arbeitskreiseminar Bettinger, Inst. für Organische Chemie, Universität Tübingen, 15.11.2018.
8. **C. P. Sindlinger**  
*„Metalle – Neues von alten Freunden“*  
Öffentliche Experimentalvorlesung im Rahmen der „Saturday Morning Science“ Reihe, Göttingen, 11.11.2017.
7. **C. P. Sindlinger**, S. Aldridge  
*„Bulking up a Boryl“*  
Poster: „Humboldt Netzwerk Tagung“, Bielefeld, Oktober 2017.
6. **C. P. Sindlinger**, L. Wesemann  
*„Organotin(IV) hydrides as precursors for low-valent tin-chemistry.“*  
Poster: International Conference on Inorganic Ring Systems (IRIS14), August 2015, Regensburg, Germany.

5. **C. P. Sindlinger**  
„An Unexpected Polystannane from a Dehydrogenation of a Tin Dihydride“  
Vortrag: Borchemikertreffen, Durbach, Oktober 2014.
4. **C. P. Sindlinger, L. Wesemann**  
„Selective Dehydrogenation Approaches on Organotin Hydrides“  
Poster: Wöhler Tagung, Saarbrücken, September 2014.
3. **C. P. Sindlinger**  
„Towards Tripodal Stannylenes or cyclic Tristannanes“  
Vortrag: Borchemikertreffen, Reimlingen, Oktober 2013.
2. **C. P. Sindlinger**  
„Käfigartige Stannane vs. Oligostannylene – Zur Synthese polypodaler Sn(II)-Systeme“  
Vortrag: Stipendiatentreffen des FCI, Karlsruhe, November 2013.
1. **C. P. Sindlinger, C. Schenk, A. Stasch\***  
„Monomeric Methandiides of Ge, Sn and Pb – Heavy Congeners of Vinylidenes?“  
Poster: 14<sup>th</sup> International Conference on Germanium, Tin and Lead 2013, Baddeck, Canada, Juli 2013;