

PROF. DR. DAVID SCHESCHKEWITZ

Krupp-Chair of General and Inorganic Chemistry

Faculty of Natural Sciences and Technology
Saarland-University
Campus, C4.1
66123 Saarbrücken
Germany

Phone +49 (0)681/302-71641

Fax +49 (0)681/302-71642

scheschkewitz@mx.uni-saarland.de

<https://www.uni-saarland.de/lehrstuhl/scheschkewitz/>

PERSONAL DATA

Date of birth: 13. 07. 1971
Place of birth: Aurich, Germany
Nationality: German
Marital status: married, four children

EDUCATION, DEGREES and ACADEMIC TITLES

since 05/2011	Full Professor (W3) at the Saarland-University at Saarbrücken, Germany
01/2004 – 04/2009	Habilitation (28. 04. 2009), Julius-Maximilians-University Würzburg, Germany
05/1996 – 07/1999	PhD (14. 07. 1999), Philipps-University Marburg, Germany
10/1993 – 05/1996	Diploma in Chemistry (24. 04. 1996), Carl-von-Ossietzky University Oldenburg

PROFESSIONAL HISTORY

since 05/2011	Krupp-Chair in General and Inorganic Chemistry , Department of Chemistry, Faculty 8: Natural Sciences and Technology III, Saarland-University at Saarbrücken, Germany
05/2008 – 04/2011	Senior Lecturer in Inorganic Chemistry , Synthesis Section, Department of Chemistry, Imperial College London; United Kingdom
01/2004 – 04/2008	Habilitand , Institute for Inorganic Chemistry, Faculty of Chemistry and Pharmacy, Julius-Maximilians-University Würzburg, Germany (Mentor: Prof. Holger Braunschweig)

COMPLETE PUBLICATION RECORD

11/2002 – 12/2003	Postdoctoral Research Assistant , ETH Zürich (Prof. Hansjörg Grützmacher)
09/2001 – 10/2002	Postdoctoral Research Assistant , University of California at Riverside, USA (Prof. Guy Bertrand)
02/2000 – 08/2001	Postdoctoral Research Assistant , University Paul Sabatier, Toulouse (Prof. Guy Bertrand)
05/1998 – 12/1999	Postdoctoral Research Assistant , Philipps-University Marburg (Prof. Armin Berndt)

ADMINISTRATION AND BOARD MEMBERSHIP

since 09/2018	International Advisory Board , European Silicon Days
since 03/2018	AvH-Fellowship Selection Committee , Alexander von Humboldt Foundation, Bonn, Germany
08/2016 to 09/2018	Chair of Organizing Committee , 9 th European Silicon Days at Saarbrücken 2018
since 10/2014	Faculty Council , Faculty of Natural Sciences and Technology, Saarland-University at Saarbrücken, Germany
10/2014 to 10/2020	Head of Department of Chemistry , Saarland-University at Saarbrücken, Germany
since 03/2014	Advisory Board of Subdivision “Industrial Inorganic Chemistry” , DECHEMA, Frankfurt, Germany
since 04/2013	Pôle France , Member of Steering Committee, Saarland-University at Saarbrücken, Germany
08/2012 to 09/2014	Chair of Organizing Committee , 17 th Wöhler-Conference on Inorganic Chemistry at Saarbrücken 2014
10/2012 to 09/2014	Teaching commission of the Senate , Saarland-University at Saarbrücken, Germany

FELLOWSHIPS, PRIZES and AWARDS

10/2012	Invitation Fellowship for Research in Japan (Short-Term) of the Japan Society for the Promotion of Science (10 th to 27 th October 2012)
05/2011	German Scholar Organization and Alfried Krupp von Bohlen und Halbach-Foundation Support of the appointment to the Saarland University
03/2009	Carl Duisberg Memorial Prize 2009 (German Chemical Society)
10/2008	Lieseberg-Prize 2008 of the Ruprecht-Karls-University Heidelberg, Germany
10/2008	Wöhler Young Investigator Award 2008 (Wöhler-Division of Inorganic Chemistry)
06/2008 – 05/2011	Karl Winnacker-Fellowship of the Aventis-Foundation

COMPLETE PUBLICATION RECORD

07/2000 – 06/2002	Feodor Lynen-Fellowship of the Alexander von Humboldt-Foundation
05/1996 – 04/1998	PhD Bursary of the German Research Foundation (DFG) within the Graduate School for „Organometallic Chemistry“, University of Marburg

COLLABORATION

since 05/2019	Prof. Christopher Kay , Saarbrücken • <i>EPR of Radical Main Group Species</i>
since 03/2018	Prof. Gregor Jung , Saarbrücken • <i>Fluorescent Main Group Species</i>
since 01/2015	Prof. Rolf Hempelmann , Saarbrücken • <i>Coating of Gold Electrodes with Electroactive Unsaturated Silicon Compounds through Sulfur Bridges</i>
since 10/2014	Prof. Holger Vach , École Polytechnique Paliseau (France) • <i>Tunneling in Homonuclear Unsaturated Silicon Clusters</i>
09/2014 to 08/2020	Prof. Akin Azizoglu , Balikesir (Türkei) • <i>Theoretical and Experimental Studies of N-heterocyclic silylene reactivity</i>
05/2012 to 04/2016	Dr. Jose Goicoechea , Oxford (Großbritannien) • <i>Reactivity of anionic phosphorus reagents towards cyclotrisilenes</i>
since 04/2010	Dr. Raphael Berger , Paris-Lodron Universität, Salzburg, Austria • <i>Computation of ring- and cluster currents in unsaturated silicon clusters</i>
04/2010 to 03/2013	Prof. Dr. Peter Jutzi , Faculty of Chemistry, University of Bielefeld, Germany • <i>Polynuclear silicon systems via highly electrophilic Si(II)-cations</i>
since 01/2010	Prof. Dietmar Stalke , Faculty of Chemistry, University of Göttingen, Germany • <i>Experimental determination of electron densities of unsaturated silicon compounds</i>
since 08/2008	Prof. Henry Rzepa , Department of Chemistry, Imperial College London, UK • <i>ELF and AIM-calculations on unsaturated silicon clusters</i>
06/2007 to 05/2012	Prof. Frank Breher , Faculty of Chemistry and Biological Sciences, Technical University of Karlsruhe, Germany • <i>Cyclovoltammetry and EPR of compounds with Si=Si-double bonds</i>
01/2007 to 12/2014	Prof. Akira Sekiguchi , Department of Chemistry, University of Tsukuba, Japan • <i>Synthesis of cyclic silenes from disilenides</i>

REFEREEING

Journals	Science; Nature Chemistry; Journal of the American Chemical Society; Angewandte Chemie; Chemical Science; Chemistry – A European Journal; Chemical Communications; Dalton Transactions; Inorganic Chemistry; Organometallics; European Journal of Inorganic Chemistry, Zeitschrift für Anorganische und Allgemeine Chemie
Funding Agencies	Deutsche Forschungsgemeinschaft, Alexander von Humboldt-Foundation, National Science Foundation (USA), Austrian Science Fund, Swiss National Science Foundation, German Scholar Organization, Klaus-Tschirra Boost Fund, Engineering and Physical Science Research Council

PROFESSIONAL SOCIETIES

since 1995	Gesellschaft Deutscher Chemiker
since 2002	American Chemical Society
since 2006	Deutscher Hochschulverband
since 2009	Royal Society of Chemistry

LANGUAGES

German	native speaker
English	fluent
French	fluent
Italian	basic

REFEREED PUBLICATIONS

h-Index (Web of Science): 32

h-Index (Google Scholar): 39

107. P. K. Majhi, M. Zimmer, B. Morgenstern, V. Huch, D. Scheschkewitz* **“Transition Metal Complexes of Heavier Vinylidenes: Allylic Coordination vs Vinylidene–Alkyne Rearrangement at Nickel”**, *J. Am. Chem. Soc.* **2021**, *143*, 13350–13357.
[DOI: 10.1021/jacs.1c06453](https://doi.org/10.1021/jacs.1c06453)
106. Y. Heider, D. Scheschkewitz* **“Molecular Silicon Clusters”**, *Chem. Rev.* **2021**, *121*, 9674–9718. [DOI: 10.1021/acs.chemrev.1c00052](https://doi.org/10.1021/acs.chemrev.1c00052)
105. A. T. Kell, N. M. Obeid, P. Bag, M. Zimmer, V. Huch, D. Scheschkewitz* **“Reactivity of Phenylacetylene toward Unsymmetrical Disilenes: Regiodivergent [2+2] Cycloaddition vs. CH Addition”**, *Z. Anorg. Allg. Chem.* **2021**, *647*, 1751–1758.
[DOI: 10.1002/zaac.202100137](https://doi.org/10.1002/zaac.202100137)
104. P. K. Majhi, M. Zimmer, B. Morgenstern, D. Scheschkewitz* **“Transition-Metal Complexes of Heavier Cyclopropenes: Non-Dewar–Chatt–Duncanson Coordination and Facile Si=Ge Functionalization”**, *J. Am. Chem. Soc.* **2021**, *143*, 8981–8986.
[DOI: 10.1021/jacs.1c04419](https://doi.org/10.1021/jacs.1c04419)
Featured in *Nature Reviews Chemistry*:
[DOI: 10.1038/s41570-021-00307-z](https://doi.org/10.1038/s41570-021-00307-z)
103. T. Büttner, K. Weisshaar, P. Willmes, V. Huch, B. Morgenstern, R. Hempelmann,* D. Scheschkewitz* **“Synthesis and electrochemistry of remotely thioether-functionalized disilenes”**, *Z. Anorg. Allg. Chem.* **2021**, *647*, 1674–1678 (special issue on occasion of the 80th birthday of Prof. H. Schnöckel).
[DOI: 10.1002/zaac.202100161](https://doi.org/10.1002/zaac.202100161)
102. L. Klemmer, A.-L. Thömmes, M. Zimmer, V. Huch, B. Morgenstern, D. Scheschkewitz,* **“Metathesis of Ge=Ge double bonds”**, *Nat. Chem.* **2021**, *13*, 373–377.
[DOI: 10.1038/s41557-021-00639-9](https://doi.org/10.1038/s41557-021-00639-9)
101. D. Dhara, D. Scheschkewitz,* V. Chandrasekhar,* C. B. Yildiz,* A. Jana* **“Reactivity of NHC/diphosphene Au(I) hydride”**, *Chem. Commun.* **2021**, *57*, 809–812.
[DOI: 10.1039/d0cc05461e](https://doi.org/10.1039/d0cc05461e)
100. P. K. Majhi, V. Huch, D. Scheschkewitz,* **“A Mixed Heavier Si=Ge Analogue of a Vinyl Anion”**, *Angew. Chem. Int. Ed.* **2021**, *60*, 242–246. [DOI: 10.1002/anie.202009406](https://doi.org/10.1002/anie.202009406)

99. K. I. Leszczynska,* P. Deglmann, C. Präsang, V. Huch, M. Zimmer, D. Schweinfurth, D. Scheschkewitz, **“Pentamethylcyclopentadienyl-substituted hypersilylsilylene: reversible and irreversible activation of C=C double bonds and dihydrogen”**, *Dalton Trans.* **2020**, 49, 13218–13225. DOI: [10.1039/D0CC04922K](https://doi.org/10.1039/D0CC04922K)
98. N. E. Poitiers, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Chalcogen-Expanded unsaturated Silicon Clusters: Thia-, Seleno-, and Tellurasiliconoids”**, *Chem. Eur. J.* **2020**, 26, 16599–116602. DOI: [10.1002/chem.202003180](https://doi.org/10.1002/chem.202003180)
97. N. E. Poitiers, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Nickel-assisted complete cleavage of CO by a silylene/siliconoid hybrid under formation of an Si=C enol ether bridge”**, *Chem. Commun.* **2020**, 56, 10898–10901. DOI: [10.1039/D0CC04922K](https://doi.org/10.1039/D0CC04922K)
96. K. Samedov, Y. Heider, Y. Cai,* P. Willmes, D. Mühlhausen V. Huch, R. West, D. Scheschkewitz,* P. W. Percival,* **“Free Radical chemistry of Phosphasilenes”**, *Angew. Chem. Int. Ed.* **2020**, 59, 16007–16012. DOI: [10.1002/anie.202006289](https://doi.org/10.1002/anie.202006289)
95. C. B. Yildiz, K. I. Leszczynska, S. González-Gallardo, M. Zimmer, A. Azizoglu, T. Biskup, C. W. M. Kay, V. Huch, H. S. Rzepa, D. Scheschkewitz,* **“Equilibrium Formation of Stable All-Silicon Versions of 1,3-Cyclobutanediyl”**, *Angew. Chem. Int. Ed.* **2020**, 59, 15087–15092. DOI: [10.1002/anie.202006283](https://doi.org/10.1002/anie.202006283)
94. N. E. Poitiers, L. Giarrana, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Exohedral functionalization vs. core expansion of siliconoids with Group 9 metals: catalytic activity in alkene isomerization”**, *Chem. Sci.* **2020**, 11, 7782–7788. DOI: [10.1039/d0sc02861d](https://doi.org/10.1039/d0sc02861d)
93. Y. Kaiser, A. Grandjean, V. Huch, M. Zimmer, G. Jung, D. Scheschkewitz,* **“Luminiscent Symmetrically and Unsymmetrically-Substituted Diboranes(4)”**, *Z. Anorg. Allg. Chem.* **2020**, 646, 816–827 (special issue on occasion of the 65th birthday of Prof. M. Scheer). DOI: [10.1002/zaac.202000032](https://doi.org/10.1002/zaac.202000032)
92. N. E. Poitiers, L. Giarrana, K. I. Leszczynska, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Indirect and direct grafting of transition metals to siliconoids”**, *Angew. Chem. Int. Ed.* **2020**, 59, 8532–8536. DOI: [10.1002/anie.202001178](https://doi.org/10.1002/anie.202001178)
91. D. Dhara, S. Das, P. Kalita, S. K. Pati, D. Scheschkewitz,* V. Chandrasekhar,* A. Jana,* **“Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene”**, *Dalton Trans.* **2020**, 49, 993–997. DOI: [10.1039/c9dt04690a](https://doi.org/10.1039/c9dt04690a)
90. Y. Heider, P. Willmes, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Boron and phosphorus containing heterosiliconoids: stable p- and n-doped unsaturated silicon clusters”**, *J. Am. Chem. Soc.* **2019**, 141, 19498–19504. DOI: [10.1021/jacs.9b11181](https://doi.org/10.1021/jacs.9b11181)
89. L. Klemmer, Y. Kaiser, V. Huch, M. Zimmer, D. Scheschkewitz,* **“Persistent digermenes with Acyl and α -Chlorosilyl Functionalities”**, *Chem. Eur. J.* **2019**, 25, 12187–12195. DOI: [10.1002/chem.201902553](https://doi.org/10.1002/chem.201902553)
88. D. Dhara, S. Das, S. K. Pati, D. Scheschkewitz,* V. Chandrasekhar,* A. Jana,* **“NHC-coordinated diphosphene-stabilized gold(I) hydride and its reversible conversion to gold(I) formate with CO₂”**, *Angew. Chem. Int. Ed.* **2019**, 58, 15367–15371. DOI: [10.1002/anie.201909798](https://doi.org/10.1002/anie.201909798)
87. L. Klemmer, V. Huch, A. Jana, D. Scheschkewitz,* **“An anionic heterosiliconoid with two germanium vertices”**, *Chem. Comm.* **2019**, 55, 10100–10103. DOI: [10.1039/c9cc04576g](https://doi.org/10.1039/c9cc04576g)
86. B. Santra, R. S. Narayanan, P. Kalita, V. Kumar, D. Mandal, V. Gupta, M. Zimmer, V. Huch, V. Chandrasekhar,* D. Scheschkewitz,* C. Schulzke,* A. Jana,* **“Modulation of the nuclearity of molecular Mg(II)-phosphates: solid state structural change involving coordinating solvent”**, *Dalton Trans.* **2019**, 48, 8853–8860. DOI: [10.1039/c9dt00687g](https://doi.org/10.1039/c9dt00687g)
85. Y. Heider, N. Poitiers, P. Willmes, K. Leszczynska, V. Huch, D. Scheschkewitz,* **“Site-Selective Functionalization of Si₆R₆ Siliconoids”**, *Chem. Sci.* **2019**, 10, 4523–4530. DOI: [10.1039/c8sc05591b](https://doi.org/10.1039/c8sc05591b)

84. A. T. Henry, J. L. Bourque, I. Vacirca, D. Scheschkewitz, K. M. Baines,* **"The Addition of a Cyclopropyl Alkyne to an Asymmetrically-Substituted Disilene: A Mechanistic Study"**, *Organometallics* **2019**, 38, 1622–1626. DOI: [10.1021/acs.organomet.9b00054](https://doi.org/10.1021/acs.organomet.9b00054)
83. K. I. Leszczynska,* V. Huch, C. Präsang, J. Schwabedissen, R. Berger,* D. Scheschkewitz,* **"Atomically Precise Expansion of Unsaturated Silicon Clusters"**, *Angew. Chem. Int. Ed.* **2019**, 58, 5124–5128. DOI: [10.1002/anie.201811331](https://doi.org/10.1002/anie.201811331)
82. A. Maiti, D. Mandal, I. Omlor, D. Dhara, L. Klemmer, V. Huch, M. Zimmer, D. Scheschkewitz,* A. Jana,* **"Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donor–Acceptor Stabilized Si(II) and Ge(II) Compounds"**, *Inorg. Chem.* **2019**, 58, 4071–4075. DOI: [10.1021/acs.inorgchem.9b00246](https://doi.org/10.1021/acs.inorgchem.9b00246)
81. Y. Heider, P. Willmes, D. Mühlhausen, L. Klemmer, M. Zimmer, V. Huch, D. Scheschkewitz,* **"A Three-Membered Cyclic Phosphasilene"**, *Angew. Chem. Int. Ed.* **2019**, 58, 1939–1944. DOI: [10.1002/anie.201811944](https://doi.org/10.1002/anie.201811944)
80. F. Philippi, D. Rauber, J. Zapp, C. Präsang, D. Scheschkewitz, R. Hempelmann,* **"Multiple Ether-Functionalized Phosphonium Ionic Liquids as Highly Fluid Electrolytes"**, *ChemPhysChem* **2019**, 20, 443–455. DOI: [10.1002/cphc.201800939](https://doi.org/10.1002/cphc.201800939)
79. A. Stahlich, V. Huch, A. Grandjean, K. Rohe, K. Leszczyńska, D. Scheschkewitz, A. Schäfer,* **"Permethylated Disila[2]metallocenophanes of Group 14 and 15 Elements"**, *Chem. Eur. J.* **2019**, 25, 173–176. DOI: [10.1002/chem.201804934](https://doi.org/10.1002/chem.201804934)
78. B. Santra, D. Mandal, V. Gupta, P. Kalita, V. Kumar, R. S. Narayanan, A. Dey, N. Chrysochos, A. Mohammad, A. Singh, M. Zimmer, R. Dalapati, S. Biswas,* C. Schulzke,* V. Chandrasekhar,* D. Scheschkewitz,* A. Jana,* **"Structural Diversity in Supramolecular Organization of Anionic Phosphate Monoesters: Role of Cations"**, *ACS Omega* **2019**, 4, 2118–2133. DOI: [10.1021/acsomega.8b03192](https://doi.org/10.1021/acsomega.8b03192)
77. H. Zhao, L. Klemmer, M. J. Cowley, V. Huch, M. Zimmer, D. Scheschkewitz,* **"Reactivity of a Peraryl Cyclotrisilene (c-Si₃R₄) Toward Chalcogens"**, *Z. Anorg. Allg. Chem.* **2018**, 644, 999–1005 (special issue on occasion of the 60th birthday of Prof. A. Filippou). DOI: [10.1002/zaac.201800182](https://doi.org/10.1002/zaac.201800182)
76. H. Zhao, L. Klemmer, M. J. Cowley, M. Majumdar, V. Huch, M. Zimmer, D. Scheschkewitz,* **"Phenylene-Bridged Cross-Conjugated 1,2,3-Trisilacyclopentadienes"**, *Chem. Commun.* **2018**, 54, 8399–8402. DOI: [10.1039/C8CC03297A](https://doi.org/10.1039/C8CC03297A)
75. A.-C. Andres, J. Beckmann, L. Klemmer, S. Muth, D. Scheschkewitz,* M. Springborg,* **"Structure and Stability of Propellane-Like E₂E'₂E''₂H₆"**, *J. Mol. Mod.* **2018**, 24, 190. DOI: [10.1007/s00894-018-3713-9](https://doi.org/10.1007/s00894-018-3713-9)
74. Y. Heider, D. Scheschkewitz,* **"Stable Unsaturated Silicon Clusters (Siliconoids)"**, *Dalton Trans.* **2018**, 47, 7104–7112. DOI: [10.1039/C8DT01009A](https://doi.org/10.1039/C8DT01009A)
73. D. Dhara, P. Kalita, S. Mondal, R. S. Narayanan, K. R. Mote, V. Huch, M. Zimmer, C. B. Yildiz,* D. Scheschkewitz,* V. Chandrasekhar,* A. Jana,* **"Reactivity Enhancement of a Diphosphene by Reversible N-Heterocyclic Carbene Coordination"**, *Chem. Sci.* **2018**, 9, 4235–4243. DOI: [10.1039/c8sc00348c](https://doi.org/10.1039/c8sc00348c)
72. D. Nieder, L. Klemmer, Y. Kaiser, V. Huch, D. Scheschkewitz,* **"Isolation and Reactivity of a Digerma Analogue of Vinylolithiums: a Lithium Digermenide"**, *Organometallics* **2018**, 37, 632–635. DOI: [10.1021/acs.organomet.7b00470](https://doi.org/10.1021/acs.organomet.7b00470)
71. D. Dhara, V. Huch, D. Scheschkewitz,* A. Jana,* **"Synthesis of a α -Chlorosilyl Functionalized Donor-Stabilized Chlorogermylene"**, *Inorganics* **2018**, 6, 6. DOI: [10.3390/inorganics6010006](https://doi.org/10.3390/inorganics6010006)
70. H. Zhao, K. Leszczyńska, L. Klemmer, V. Huch, M. Zimmer, D. Scheschkewitz,* **"Disilanyl Silylene-Like Reactivity of a Cyclotrisilene"**, *Angew. Chem. Int. Ed.* **2018**, 57, 2445–2449. DOI: [10.1002/anie.201711833](https://doi.org/10.1002/anie.201711833)
69. D. Mandal, D. Dhara, A. Maiti, L. Klemmer, V. Huch, M. Zimmer, H. S. Rzepa,* D. Scheschkewitz,* A. Jana,* **"Mono- and Dicoordinate Germanium(0) as Four Electron Donor"**, *Chem. Eur. J.* **2018**, 24, 2873–2878. DOI: [10.1002/chem.201800071](https://doi.org/10.1002/chem.201800071)

68. A. Rammo, D. Scheschkewitz, * **"Functional Disilenes in Synthesis"**, *Chem. Eur. J.* **2018**, 24, 6866–6885. DOI: [10.1002/chem.201704090](https://doi.org/10.1002/chem.201704090)
67. C. B. Yildiz, * D. Scheschkewitz, * **"Reactivity of Heavier Vinyl Anions $[(CH_3)_2E=E'(CH_3)]^-$ ($E, E' = C, Si, Ge$) toward Carbon Monoxide: A Computational Study"**, *Organometallics* **2017**, 36, 3035–3042. DOI: [10.1021/acs.organomet.7b00327](https://doi.org/10.1021/acs.organomet.7b00327)
66. N. M. Obeid, L. Klemmer, D. Maus, M. Zimmer, J. Jeck, I. Bejan, A. J. P. White, V. Huch, G. Jung, * D. Scheschkewitz, * **"(Oligo)Aromatic Species with one or two Conjugated Si=Si Bonds: Near-IR Emission of Anthracenyl-Bridged Tetrasiladiene"**, *Dalton Trans.* **2017**, 46, 8839–8848. DOI: [10.1039/C7DT00397H](https://doi.org/10.1039/C7DT00397H)
65. N. Zapp, K. Rohe, R. Ye, D. Scheschkewitz, M. Springborg, * **"Spherical Aromaticity in C-, Si-, and Ge-Containing Compounds"**, *Comp. Theor. Chem.* **2017**, 1102, 5–14. DOI: [10.1016/j.comptc.2016.12.040](https://doi.org/10.1016/j.comptc.2016.12.040)
64. D. Nieder, V. Huch, C. B. Yildiz, D. Scheschkewitz, * **"Regiodiscriminating Reactivity of Isolable NHC-Coordinated Disilanyl Germylene and Its Cyclic Isomer"**, *J. Am. Chem. Soc.* **2016**, 138, 13996–14005. DOI: [10.1021/jacs.6b07815](https://doi.org/10.1021/jacs.6b07815)
63. P. Willmes, L. Junk, V. Huch, C. B. Yildiz, D. Scheschkewitz, * **"Diverse Reactivity of an Electrophilic Phosphasilene towards Anionic Nucleophiles: Substitution or Metal–Amino Exchange"**, *Angew. Chem. Int. Ed.* **2016**, 55, 10913–10917. DOI: [10.1002/anie.201605699](https://doi.org/10.1002/anie.201605699)
62. D. Nieder, C. B. Yildiz, A. Jana, M. Zimmer, V. Huch, D. Scheschkewitz, * **"Dimerization of a Marginally Stable Disilanyl Germylene to Tricyclic Systems: Evidence for Reversible NHC-Coordination"**, *Chem. Commun.* **2016**, 52, 2799–2802. DOI: [10.1039/C5CC09878E](https://doi.org/10.1039/C5CC09878E)
61. P. Willmes, K. Leszczyńska, Y. Heider, K. Abersfelder, M. Zimmer, V. Huch, D. Scheschkewitz, * **"Isolation and Versatile Derivatization of an Unsaturated Anionic Silicon Cluster (Siliconoid)"**, *Angew. Chem. Int. Ed.* **2016**, 55, 2907–2910. DOI: [10.1002/anie.201511037](https://doi.org/10.1002/anie.201511037)
60. C. Präsang, D. Scheschkewitz, * **"Reactivity in the Periphery of Functionalised Multiple Bonds of Heavier Group 14 Elements"**, *Chem. Soc. Rev.* **2016**, 45, 900–921. DOI: [10.1039/c5cs00720h](https://doi.org/10.1039/c5cs00720h)
59. K. Abersfelder, H. Zhao, A. J. P. White, C. Präsang, D. Scheschkewitz, * **"Synthesis of the First Homoleptic Trisilaallyl Chloride: -3-Chloro-1, 1,2, 3,3-pentakis(2',4',6'-triisopropylphenyl)trisil-1-ene"**, *Z. Anorg. Allg. Chem.* **2015**, 641, 2051–2055 (special issue on occasion of the 60th birthday of Prof. F. E. Hahn). DOI: [10.1002/zaac.201500561](https://doi.org/10.1002/zaac.201500561)
58. M. Majumdar, I. Omlor, C. B. Yildiz, A. Azizoglu, V. Huch, D. Scheschkewitz, * **"Reductive Cleavage of Carbon Monoxide by a Disilenide"**, *Angew. Chem. Int. Ed.* **2015**, 54, 8746–8750. DOI: [10.1002/anie.201503455](https://doi.org/10.1002/anie.201503455) (Hot Paper)
57. A. Jana, V. Huch, H. S. Rzepa, D. Scheschkewitz, * **"A Molecular Complex with a Formally Neutral Iron Germanide Motif (Fe_2Ge_2)"**, *Organometallics* **2015**, 34, 2130–2133. DOI: [10.1021/om501286g](https://doi.org/10.1021/om501286g)
56. T. P. Robinson, M. J. Cowley, D. Scheschkewitz, * J. M. Goicoechea, * **"Phosphide Delivery to a Cyclotrisilene"**, *Angew. Chem.* **2015**, 127, 693–696; *Angew. Chem. Int. Ed.* **2015**, 54, 683–686. DOI: [10.1002/anie.201409908](https://doi.org/10.1002/anie.201409908)
55. A. Jana, V. Huch, H. S. Rzepa, D. Scheschkewitz, * **"A Multiply Functionalized Base-Coordinated Ge-II Compound and Its Reversible Dimerization to the Digermene"**, *Angew. Chem. Int. Ed.* **2015**, 54, 289–292. DOI: [10.1002/anie.201407751](https://doi.org/10.1002/anie.201407751) (VIP)
54. A. Jana, I. Omlor, V. Huch, H. S. Rzepa, D. Scheschkewitz, * **"N-Heterocyclic Carbene Coordinated Neutral and Cationic Heavier Cyclopropylidenes"**, *Angew. Chem. Int. Ed.* **2014**, 53, 9953–9956. DOI: [10.1002/anie.201405238](https://doi.org/10.1002/anie.201405238)
53. M. J. Cowley, V. Huch, D. Scheschkewitz, * **"Donor-Acceptor Adducts of a 1,3-Disila-2-oxyallyl Zwitterion"**, *Chem. Eur. J.* **2014**, 20, 9221–9224. DOI: [10.1002/chem.201402750](https://doi.org/10.1002/chem.201402750)

52. M. Majumdar, I. Bejan, V. Huch, A. J. P. White, G. R. Whittell, A. Schäfer, I. Manners,* D. Scheschkewitz,* " **σ - π Conjugated Organosilicon Hybrid Polymers from Copolymerization of a Tetrasiladiene and 1,4-Diethynylbenzene**", *Chem. Eur. J.* **2014**, 20, 9225–9229. DOI: [10.1002/chem.201403494](https://doi.org/10.1002/chem.201403494)
51. A. Jana, V. Huch, M. Repisky, R. J. F. Berger,* D. Scheschkewitz,* "**Dismutational and Global-Minimum Isomers of Heavier 1,4-Dimetallatetrasilabenzenes of Group 14**", *Angew. Chem. Int. Ed.* **2014**, 53, 3513–3518. DOI: [10.1002/anie.201310475](https://doi.org/10.1002/anie.201310475)
50. A. Jana, M. Majumdar, V. Huch, M. Zimmer, D. Scheschkewitz,* "**NHC-coordinated silagermenylidene functionalized in allylic position and its behaviour as a ligand**", *Dalton Trans.* **2014**, 43, 5175–5181. DOI: [10.1039/C4DT00094C](https://doi.org/10.1039/C4DT00094C)
49. P. Willmes, M. J. Cowley, M. Hartmann, M. Zimmer, V. Huch, D. Scheschkewitz,* "**From Disilene (Si=Si) to Phosphasilene (Si=P) and Phosphacumulene (P=C=N)**", *Angew. Chem. Int. Ed.* **2014**, 53, 2216–2220. DOI: [10.1002/anie.201308525](https://doi.org/10.1002/anie.201308525)
48. M. J. Cowley, Y. Ohmori, V. Huch, M. Ichinohe, A. Sekiguchi,* D. Scheschkewitz,* "**Carbonylation of Cyclotrisilenes**", *Angew. Chem. Int. Ed.* **2013**, 52, 13247–13250. DOI: [10.1002/anie.201307450](https://doi.org/10.1002/anie.201307450) (VIP)
47. A. Jana, V. Huch, D. Scheschkewitz,* „**NHC-Stabilized Silagermenylidene: A Heavier Analogue of Vinylidene**“, *Angew. Chem. Int. Ed.* **2013**, 52, 12179–12182. DOI: [10.1002/anie.201306780](https://doi.org/10.1002/anie.201306780) (VIP)
46. M. J. Cowley, V. Huch, H. S. Rzepa, D. Scheschkewitz,* „**Equilibrium between a cyclotrisilene and an isolable base adduct of a disilanyl silylene**“, *Nature Chem.* **2013**, 5, 876–879. DOI: [10.1038/nchem.1751](https://doi.org/10.1038/nchem.1751)
45. A. Meltzer, M. Majumdar, A. J. P. White, V. Huch, D. Scheschkewitz,* „**Potential Protecting Group Strategy for Disila Analogues of Vinylolithiums: Synthesis and Reactivity of a 2,4,6-Trimethoxyphenyl-Substituted Disilene**“, *Organometallics* **2013**, 22, 6844–6850. DOI: [10.1021/om400545w](https://doi.org/10.1021/om400545w)
44. A. Rammo, I. Bejan, A. Meltzer, K. Radacki, H. Braunschweig, D. Scheschkewitz,* „**1,2-Disilabicyclo[1.1.1]pentan-4-ones from a Disilenide and Acryloyl Chlorides**“, *Aust. J. Chem.* **2013**, 66, 1311–1314. DOI: [10.1071/CH13265](https://doi.org/10.1071/CH13265)
43. D. Kratzert, D. Leusser, J. J. Holstein, B. Dittrich, K. Abersfelder, D. Scheschkewitz, D. Stalke,* „**An Experimental Charge Density Study of Two Isomers of Hexasilabenzene**“, *Angew. Chem. Int. Ed.* **2013**, 52, 4478–4482. DOI: [10.1002/anie.201209906](https://doi.org/10.1002/anie.201209906)
42. Y. Ohmori, M. Ichinohe, A. Sekiguchi,* M. J. Cowley, V. Huch, D. Scheschkewitz,* „**Functionalized Cyclic Disilenes via Ring Expansion of Cyclotrisilenes with Isocyanides**“, *Organometallics* **2013**, 32, 1591–1594. DOI: [10.1021/om400054u](https://doi.org/10.1021/om400054u)
41. M. Majumdar, V. Huch, I. Bejan, A. Meltzer, D. Scheschkewitz,* „**Reversible, Complete Cleavage of Si=Si Double Bonds by Isocyanide Insertion**“, *Angew. Chem. Int. Ed.* **2013**, 52, 3516–3520. DOI: [10.1002/anie.201209281](https://doi.org/10.1002/anie.201209281)
40. D. Scheschkewitz,* „**The Disilyne Chameleon - Blue, Yellow and/or Green?**“, *Z. Anorg. Allg. Chem.* **2012**, 638, 2381–2383 (invited review). DOI: [10.1002/zaac.201210017](https://doi.org/10.1002/zaac.201210017)
39. K. Abersfelder, A. Russell, H. S. Rzepa, A. J. P. White, P. R. Haycock, D. Scheschkewitz,* „**Contraction and Expansion of the Silicon Scaffold of Stable Si₆R₆ Isomers**“, *J. Am. Chem. Soc.* **2012**, 134, 16008–16016. DOI: [10.1021/ja307344f](https://doi.org/10.1021/ja307344f)
38. K. Leszczyńska, K. Abersfelder, M. Majumdar, B. Neumann, H.-G. Stämmler, H. S. Rzepa, P. Jutzi,* D. Scheschkewitz,* „**The Cp*Si⁺ Cation as a Stoichiometric Source of Silicon**“, *Chem. Commun.* **2012**, 48, 7820–7822. DOI: [10.1039/C2CC33911K](https://doi.org/10.1039/C2CC33911K)
37. K. Leszczyńska, K. Abersfelder, A. Mix, B. Neumann, H.-G. Stämmler, M. J. Cowley, P. Jutzi,* D. Scheschkewitz,* „**Reversible Base Coordination to a Disilene**“, *Angew. Chem. Int. Ed.* **2012**, 51, 6785–6788. DOI: [10.1002/anie.201202277](https://doi.org/10.1002/anie.201202277)

36. M. J. Cowley, K. Abersfelder, A. J. P. White, M. Majumdar, D. Scheschkewitz*, " **Transmetallation Reactions of a Lithium Disilene**", *Chem. Commun.* **2012**, 48, 6595–6597. DOI: [10.1039/C2CC33047D](https://doi.org/10.1039/C2CC33047D)
35. K. Abersfelder, A. J. P. White, R. J. F. Berger, H. S. Rzepa, D. Scheschkewitz*, " **A Stable Derivative of the Global Minimum on the Si₆H₆ Potential Energy Surface** ", *Angew. Chem. Int. Ed.* **2011**, 50, 7936–7939 (Hot Paper). DOI: [10.1002/anie.201102623](https://doi.org/10.1002/anie.201102623)
34. D. Scheschkewitz*, " **Reversible Formation of a Blue Arasilene and Isolation of Air-Stable Emissive Disilenes** ", *Angew. Chem. Int. Ed.* **2011**, 50, 3118–3119 (review). DOI: [10.1002/anie.201007688](https://doi.org/10.1002/anie.201007688)
33. D. Scheschkewitz*, " **The Versatile Chemistry of Disilenides: Disila Analogues of Vinyl Anions as Synthons in Low-valent Silicon Chemistry** ", *Chem. Lett.* **2011**, 40, 2–11. (invited review). DOI: [10.1246/cl.2011.2](https://doi.org/10.1246/cl.2011.2)
32. R. J. F. Berger*, H. S. Rzepa, D. Scheschkewitz, " **Ring Currents in the Dismutational Aromatic Si₆R₆** ", *Angew. Chem. Int. Ed.* **2010**, 49, 10006–10009. DOI: [10.1002/anie.201003988](https://doi.org/10.1002/anie.201003988)
31. J. Jeck, I. Bejan, A. J. P. White, D. Nied, F. Breher*, D. Scheschkewitz*, " **Transfer of a Disilyl Moiety to Aromatic Substrates and Lateral Functional Group Transformation in Aryl Disilenes** ", *J. Am. Chem. Soc.* **2010**, 132, 17306–17315. DOI: [10.1021/ja107547s](https://doi.org/10.1021/ja107547s)
30. D. Scheschkewitz*, " **Comment on Single-Crystal X-ray Structure of 1,3-Dimethylcyclobutadiene by Confinement in a Crystalline Matrix** ", *Science* **2010**, 330, 1047–1048. DOI: [10.1126/science.1195752](https://doi.org/10.1126/science.1195752)
Featured in C&E News:
<http://pubs.acs.org/subscribe/journals/cen/88/i47/html/8847scic2.html>
29. M. Hartmann, A. Haji-Abdi, K. Abersfelder, P. R. Haycock, A. J. P. White, D. Scheschkewitz*, " **Synthesis, Characterisation and Complexation of Phosphino Disilenes** ", *Dalton Trans.* **2010**, 39, 9288–9295. (invited contribution). DOI: [10.1039/c0dt00180e](https://doi.org/10.1039/c0dt00180e)
28. K. Abersfelder, D. Scheschkewitz*, " **Synthesis of Homo- and Heterocyclic Silanes via Intermediates with Si=Si bonds** ", *Pure Appl. Chem.* **2010**, 82, 595–602. (invited contribution). DOI: [10.1351/PAC-CON-09-08-09](https://doi.org/10.1351/PAC-CON-09-08-09)
27. K. Abersfelder, Andrew J. P. White, Henry S. Rzepa*, D. Scheschkewitz*, " **A Tricyclic Aromatic Isomer of Hexasilabenzene** ", *Science* **2010**, 327, 564–566. DOI: [10.1126/science.1181771](https://doi.org/10.1126/science.1181771)
Featured in C&E News:
<http://pubs.acs.org/subscribe/journals/cen/88/i05/html/8805scic3.html>
and Chemistry World:
<http://www.rsc.org/chemistryworld/News/2010/January/29011001.asp>
26. T. Zweifel, D. Scheschkewitz, T. Ott, M. Vogt, H. Grützmacher*, " **Chiral [Bis(olefin)amine]rhodium(I) Complexes - Transfer Hydrogenation in Ethanol** ", *Eur. J. Inorg. Chem.* **2009**, 5561–5576. DOI: [10.1002/ejic.200900875](https://doi.org/10.1002/ejic.200900875)
25. K. Abersfelder, T.-I. Nguyen, D. Scheschkewitz*, " **Stannyl-Substituted Disilenes and a Disilastannirane** ", *Z. Anorg. Allg. Chem.* **2009**, 635, 2093–2098 (special issue on occasion of the 65th birthday of Prof. M. Veith). DOI: [10.1002/zaac.200900234](https://doi.org/10.1002/zaac.200900234)
24. D. Scheschkewitz*, " **Anionic Reagents with Silicon Containing Double Bonds** ", *Chem. Eur. J.* **2009**, 15, 2476–2485. DOI: [10.1002/chem.200801968](https://doi.org/10.1002/chem.200801968)
23. I. Bejan, S. Inoue, M. Ichinohe, A. Sekiguchi*, D. Scheschkewitz*, " **1,2-Disilacyclobut-2-enes: Donorfree Four-Membered Cyclic Silenes from Reaction of Disilenides with Vinylbromides** ", *Chem. Eur. J.* **2008**, 14, 7119–7122. DOI: [10.1002/chem.200800919](https://doi.org/10.1002/chem.200800919)

22. K. Abersfelder, D. Scheschkewitz*, „**Syntheses of Trisila Analogues of Allyl Chlorides and their Transformations to Chloro Cyclotrisilanes, Cyclotrisilanides and a Trisilaindane**“, *J. Am. Chem. Soc.* **2008**, 130, 4114–4121. DOI: [10.1021/ja711169w](https://doi.org/10.1021/ja711169w)
21. D. Scheschkewitz, „**A Base-Stabilized Neutral B-B Bond: Closing a Gap by Filling the Void**“, *Angew. Chem. Int. Ed.* **2008**, 47, 1995–1997 (Review). DOI: [10.1002/anie.200705459](https://doi.org/10.1002/anie.200705459)
20. I. Bejan, D. Scheschkewitz*, „**Two Si-Si double bonds connected by a phenylene bridge**“, *Angew. Chem. Int. Ed.* **2007**, 46, 5783–5786 (VIP). DOI: [10.1002/anie.200701744](https://doi.org/10.1002/anie.200701744)
19. J.-B. Bourg, A. Rodriguez, D. Scheschkewitz, H. Gornitzka, D. Bourissou*, G. Bertrand*, „**Thermal Valence Isomerization of Heterobutadienes (PBBP) to Bicyclo[1.1.0]butanes and Cyclobutane-1,3-diyls: Analogies and Differences with Butadiene Analogues**“, *Angew. Chem. Int. Ed.* **2007**, 46, 5741–5745. DOI: [10.1002/anie.200701578](https://doi.org/10.1002/anie.200701578)
18. I. Bejan, D. Güclü, S. Inoue, M. Ichinohe, A. Sekiguchi, D. Scheschkewitz*, „**Stable Cyclic Silenes from Reaction of Disilenides with Carboxylic Acid Chlorides**“, *Angew. Chem. Int. Ed.* **2007**, 46, 3349–3352. DOI: [10.1002/anie.200700067](https://doi.org/10.1002/anie.200700067)
17. C. Präsang, P. Amseis, D. Scheschkewitz, G. Geiseler, W. Massa, M. Hofmann, A. Berndt*, „**Strong Neutral Homoaromatics**“, *Angew. Chem. Int. Ed.* **2006**, 45, 6745–6747. DOI: [10.1002/anie.200602073](https://doi.org/10.1002/anie.200602073)
16. K. Abersfelder, D. Güclü, D. Scheschkewitz*, „**An Unsaturated α,ω -Dianionic Oligosilane**“, *Angew. Chem. Int. Ed.* **2006**, 45, 1643–1645. DOI: [10.1002/anie.200503975](https://doi.org/10.1002/anie.200503975)
15. D. Scheschkewitz, P. Amseis, G. Geiseler, W. Massa, M. Hofmann, A. Berndt*, „**Classical 1,2,4-Triboracyclopentanes and Their Rearrangement into Nonclassical 2-Boryl-1,3-diboracyclobutanes: Intramolecular C-H Bond Activation by a B-B Moiety**“, *Eur. J. Inorg. Chem.* **2005**, 4078–4085. DOI: [10.1002/ejic.200500279](https://doi.org/10.1002/ejic.200500279)
14. H. Braunschweig*, K. Radacki, D. Rais, D. Scheschkewitz, „**A T-Shaped Platinum(II) Boryl Complex as the Precursor to a Platinum Compound with a Base-Stabilized Borylene Ligand**“, *Angew. Chem. Int. Ed.* **2005**, 44, 5651–5654 (Cover Picture, VIP). DOI: [10.1002/anie.200501588](https://doi.org/10.1002/anie.200501588)
13. T. Nguyen, D. Scheschkewitz*, „**Activation of a Si=Si Bond by η^1 -Coordination to a Transition Metal**“, *J. Am. Chem. Soc.* **2005**, 127, 10174–10175. DOI: [10.1021/ja052593p](https://doi.org/10.1021/ja052593p)
12. D. Scheschkewitz*, „**A Molecular Silicon Cluster with a “Naked” Vertex Atom**“, *Angew. Chem. Int. Ed.* **2005**, 44, 2954–2956. DOI: [10.1002/anie.200462730](https://doi.org/10.1002/anie.200462730)
11. H. Braunschweig*, K. Radacki, D. Scheschkewitz, G. Whittell, „**Boron as a Bridging Ligand**“, *Angew. Chem. Int. Ed.* **2005**, 44, 1658–1660 (VIP). DOI: [10.1002/anie.200463026](https://doi.org/10.1002/anie.200463026)
10. A. Rodriguez, R. A. Olsen, N. Ghaderi, D. Scheschkewitz, F. S. Tham, L. J. Mueller, G. Bertrand*, „**Evidence for the Coexistence of Two Bond-Stretch Isomers in Solution**“, *Angew. Chem. Int. Ed.* **2004**, 43, 4880–4883. DOI: [10.1002/anie.200460475](https://doi.org/10.1002/anie.200460475)
9. D. Scheschkewitz*, „**A Silicon Analogue of Vinylolithium: Structural Characterization of a Disilenide**“, *Angew. Chem. Int. Ed.* **2004**, 43, 2965–2967. DOI: [10.1002/anie.200353347](https://doi.org/10.1002/anie.200353347)
Featured in C&E News:
<http://pubs.acs.org/subscribe/journals/cen/82/i24/html/8224scic.html>
8. D. Scheschkewitz, H. Amii, W. W. Schoeller, D. Bourissou, G. Bertrand*, „ **σ -Bond Stretching: a Static Approach for a Dynamic Process**“, *Angew. Chem. Int. Ed.* **2004**, 43, 585–587 (Cover Picture). DOI: [10.1002/anie.200352944](https://doi.org/10.1002/anie.200352944)
7. M. Otto, D. Scheschkewitz, T. Kato, M. M. Midland, J. B. Lambert, G. Bertrand*, „**The Stable Pentamethylcyclopentadiene Cation Remains Unknown**“, *Angew. Chem. Int.*

Ed. 2002, 41, 2275–2276.

DOI: [10.1002/1521-3773\(20020703\)41:13<2275::AID-ANIE2275>3.0.CO;2-1](https://doi.org/10.1002/1521-3773(20020703)41:13<2275::AID-ANIE2275>3.0.CO;2-1)

6. D. Scheschkewitz, H. Amii, H. Gornitzka, W. W. Schoeller, D. Bourissou, G. Bertrand*; „**Singlet Diradicals: From Transition States to Crystalline Compounds**“, *Science* 2002, 295, 1880–1881. DOI: [10.1126/science.1068167](https://doi.org/10.1126/science.1068167)
5. D. Scheschkewitz, M. Hofmann, A. Ghaffari, P. Amseis, C. Präsang, W. Mesbah, G. Geiseler, W. Massa, A. Berndt*; „**Very Strong Anionic Homoaromaticity in (deloc-1,3,4)-1-Sila-3,4-Diboracyclopentane-1-ides, the Importance of the Energy of the Reference System for Homoaromatic Stabilization Energies**“, *J. Organomet. Chem.* 2002, 646, 262–270. DOI: [10.1016/S0022-328X\(01\)01435-8](https://doi.org/10.1016/S0022-328X(01)01435-8)
4. D. Scheschkewitz, A. Ghaffari, P. Amseis, M. Unverzagt, G. Subramanian, M. Hofmann, P. v. R. Schleyer, H. F. Schäfer III, G. Geiseler, W. Massa, A. Berndt*; „**Bishomoaromatic 1,2,4-Triboracyclopentane Dianions: Strong Three-Center, Two-Electron Bonds between Three Boron Atoms**“, *Angew. Chem. Int. Ed.* 2000, 39, 1272–1275. DOI: [10.1002/\(SICI\)1521-3773\(20000403\)39:7<1272::AID-ANIE1272>3.0.CO;2-Z](https://doi.org/10.1002/(SICI)1521-3773(20000403)39:7<1272::AID-ANIE1272>3.0.CO;2-Z)
3. M. Hofmann, D. Scheschkewitz, A. Ghaffari, G. Geiseler, W. Massa, H. F. Schaefer III, A. Berndt*; „**Two-Electron Aromatics with Classical and Non-Classical Homobridges**“, *J. Mol. Model.* 2000, 6, 257–271. DOI: [10.1007/s0089400060257](https://doi.org/10.1007/s0089400060257)
2. M. Stürmann, W. Saak, M. Weidenbruch*, A. Berndt, D. Scheschkewitz; „**Molecular Structures of New Compounds with Ge/C and Sn/C Double Bonds**“, *Heteroatom Chem.* 1999, 10, 554–558. DOI: [10.1002/\(SICI\)1098-1071\(1999\)10:7<554::AID-HC7>3.0.CO;2-X](https://doi.org/10.1002/(SICI)1098-1071(1999)10:7<554::AID-HC7>3.0.CO;2-X)
1. D. Scheschkewitz, M. Menzel, M. Hofmann, P. v. R. Schleyer, G. Geiseler, W. Massa, K. Harms, A. Berndt*; „**A Five-Membered Ring with Three Negative Charges and Solvent-Free Lithium Counterions**“, *Angew. Chem. Int. Ed.* 1999, 38, 2936–2939 (VIP). DOI: [10.1002/\(SICI\)1521-3773\(19991004\)38:19<2936::AID-ANIE2936>3.0.CO;2-9](https://doi.org/10.1002/(SICI)1521-3773(19991004)38:19<2936::AID-ANIE2936>3.0.CO;2-9)

PATENTS

4. D. Schweinfurth, L. Mayr, D. Waldmann, S. Weiguny, D. Scheschkewitz, K. I. Leszczynska, „**Process for the Generation of Thin Silicon-Containing Films**“, WO2018/202572, 08.11.2018. https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2018202572&_cid=P11-KT4E2M-73773-1
3. M. Ahlf, K. Schierle-Arndt, D. Schweinfurth, T. Adermann, D. Loeffler, S. Weiguny, K. I. Leszczynska, D. Scheschkewitz, „**Process for the Generation of Thin Silicon-Containing Films**“, WO2018/108628, 21.06. 2018. https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2018108628&_cid=P11-KT4E3B-73955-1
2. M. Ahlf, D. Schweinfurth, L. Mayr, K. I. Leszczynska, D. Scheschkewitz, „**Process for the Generation of Thin Silicon-Containing Films**“, WO2018/077684, 03.05.2018. <https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2018077684>
1. H. Grützmacher, T. Büttner, P. Maire, M. Ramseier, D. Scheschkewitz, T. Zweifel, „**Tropylideneamines and Use Thereof**“, US20060036109, CN1706805 (A); EP1614674; JP2006008682; DE102004027771. https://patentscope.wipo.int/search/en/detail.jsf?docId=US41425646&_cid=P11-KT4E4A-74175-1

BOOKS, BOOK CHAPTERS and NON-REVIEWED PUBLICATIONS

12. D. Scheschkewitz, "**A convenient P(-)source**", *Nature Chem.* **2020**, 12, 785–787.
[DOI: 10.1038/s41557-020-0534-0](https://doi.org/10.1038/s41557-020-0534-0)
11. R. Steudel, D. Scheschkewitz, "**Chemistry of the Non-Metals**", 2nd Edition, de Gruyter **2020**. [DOI: 10.1515/9783110578065](https://doi.org/10.1515/9783110578065)
10. D. Scheschkewitz, "**Heavyweight Isomer brings Stability**", *Nature Chem.* **2016**, 8, 993–995. [DOI: 10.1038/nchem.2654](https://doi.org/10.1038/nchem.2654)
9. D. Scheschkewitz, "**Lithium tris(2,4,6-triisopropylphenyl)disilenide: A versatile reagent for the transfer of the disilenyl group**" in *"Efficient methods for preparing silicon compounds"* (Ed. H. W. Roesky), Academic Press **2016**, 161-164.
8. C. Präsang, D. Scheschkewitz, „**Silyl Anions**“, *Structure and Bonding* **2014**, 156, 1–47.
7. D. Scheschkewitz (Volume Editor), „**Functional Molecular Silicon Compounds II: Low Oxidation States**“, *Structure and Bonding* 156, Springer Verlag **2014**
6. D. Scheschkewitz (Volume Editor), „**Functional Molecular Silicon Compounds I: Regular Oxidation States**“, *Structure and Bonding* 155, Springer Verlag **2014**
5. A. Meltzer, D. Scheschkewitz, „**Disilenes**“, *Science of Synthesis* (Volume Ed. Martin Oestreich), Thieme Verlag **2012**
4. D. Scheschkewitz, „**Buchrezension: Organometallic Compounds of Low-Coordinate Si, Ge, Sn and Pb. From Phantom Species to Stable Compounds. Edited by Vladimir Ya. Lee and Akira Sekiguchi.**“, *Angew. Chem.* **2011**, 123, 1257–1258; *Angew. Chem. Int. Ed.* **2011**, 50, 1225.
3. C. von Hänisch, D. Scheschkewitz, „**Trendberichte Anorganische Chemie 2007: Hauptgruppenchemie**“, *Nachr. Chem.* **2008**, 56, 238–248.
2. C. von Hänisch, D. Scheschkewitz, „**Trendberichte Anorganische Chemie 2006: Hauptgruppenchemie**“, *Nachr. Chem.* **2007**, 55, 223–232.
1. D. Scheschkewitz, „**Buchrezension - Encyclopedia of Inorganic Chemistry. 2nd Ed. Edited by R. Bruce King**“, *Angew. Chem.* **2006**, 118, 6056–6058; *Angew. Chem. Int. Ed.* **2006**, 45, 5912–5914.

