

## List of publications

(PDF-files are available on request)

2023

- 345.** Good practices for the automated production of  $^{18}\text{F}$ -SiFA radiopharmaceuticals  
Simon Blok, Carmen Wängler, Peter Bartenstein, Klaus Jurkschat, Ralf Schirmmacher\* and Simon Lindner  
*EJNMMI Radiopharmacy and Chemistry*, **2023**, 8:25  
<https://doi.org/10.1186/s41181-023-00215-1>
- 344.** *CycloSiFA*: The Next Generation of Silicon-Based Fluoride Acceptors for Positron Emission Tomography (PET)  
Matthias Mawick, Carolin Jaworski, Jens Bittermann, Ljuba Iovkova, Yinglan Pu, Carmen Wängler, Björn Wängler, Klaus Jurkschat,\*Norbert Krause,\* and Ralf Schirmmacher,\*  
*Angew. Chem. Int. Ed.* **2023**, <https://doi.org/10.1002/anie.202309002>
- 343.** Next-generation PET/CT imaging in meningioma—first clinical experiences using the novel SSTR-targeting peptide [ $^{18}\text{F}$ ]SiTATEM.  
Unterrainer, S. C. Kunte, L. M. Unterrainer, A. Holzgreve, A. Delker, S. Lindner, L. Beyer, M. Brendel, W. G. Kunz, M. Winkelmann, C. C. Cyran, J. Ricke, K. Jurkschat, C. Wängler, B. Wängler, R. Schirmmacher, C. Belka, M. Niyazi, J.-C. Tonn, P. Bartenstein, N. L. Albert,  
*Eur. J. Nucl. Med. Mol. Imaging* **2023**, [doi.org/10.1007/s00259-023-06315-z](https://doi.org/10.1007/s00259-023-06315-z)
- 342. Extending Chirality in Group XIV Metallatranes**  
Britta Glowacki-Pallach, Michael Lutter, Dieter Schollmeyer, Wolf Hiller, Viatcheslav Jouikov, and Klaus Jurkschat  
*Inorg. Chem.* **2023**, *62*, 7662–7680,  
<https://doi.org/10.1021/acs.inorgchem.2c04242>
- 341.** Comparison of somatostatin receptor expression in patients with neuroendocrine tumours with and without somatostatin analogue treatment imaged with [ $^{18}\text{F}$ ]SiTATE

Eschbach, RS; Hofmann, M; Spath, L; Sheikh, GT; Delker, A; Lindner, S; Jurkschat, K; Wangler, C; Wangler, B; Schirmacher, R; Tiling, R; Brendel; Wenter, V; Dekorsy, FJ; Zacherl, MJ; Todica; Ilhan, H; Grawe, F; Cyran, CC; Unterrainer, M; Rubenthaler; Knosel, T; Paul, T; Boeck, S; Westphalen, CB; Spitzweg, C; Auernhammer, CJ; Bartenstein, P; Unterrainer, LM; Beyer, L  
*Frontiers in Oncology* **2023**, 13, DOI10.3389/fonc.2023.992316

- 340.** Tin(II) cations stabilized by non-symmetric N,N',O-chelating ligands: synthesis and stability

Miroslav Novák, Jan Turek, Yaraslava Milasheuskaya, Miriam Syková, Libor Dostál, Jesse Stalmans, Zdeňka Růžičková, Klaus Jurkschat, and Roman Jambor  
*Dalton Trans.*, **2023**, 52, 2749-2761

## 2022

- 339.** Chelating Phosphorus—An O, C, O-Coordinating Pincer-Type Ligand Coordinating P<sup>III</sup> and P<sup>V</sup> Centres

Michael Gock, Michael Lutter, Anna Pintus, Dieter Schollmeier, Massimiliano Arca, Vito Lippolis, and Klaus Jurkschat  
*Chem. Eur. J.* **2022**, 28, e202201447(1 of 17)

## 2021

- 338.** PET Imaging of Meningioma Using the Novel SSTR-Targeting Peptide 18F-SiTATE.

Unterrainer M, Lindner S, Beyer L, Gildehaus FJ, Todica A, Mittlmeier LM, Jurkschat K, Wängler C, Wängler B, Schirmacher R, Tonn JC, Albert NL, Bartenstein P, Ilhan H.

*Clin Nucl Med.* **2021**, 46, 46(8): 667-668. doi: 10.1097/RLU.0000000000003607.  
PMID: 33782306.

- 337.** Recent Advances in the Clinical Translation of Silicon Fluoride Acceptor (SiFA) 18F-Radiopharmaceuticals

Lexi Gower-Fry, Travis Kronemann, Andreas Dorian, Yinglan Pu, Carolin Jaworski, Carmen Wängler, Peter Bartenstein, Leonie Beyer, Simon Lindner, Klaus Jurkschat, Björn Wängler, Justin J. Bailey and Ralf Schirmmacher  
*Pharmaceuticals* **2021**, *14*, 701. <https://doi.org/10.3390/ph14070701>

**336.** Molecular Cage Assembly via Sn–O–Sn Bridging of di-, tri- and Tetranuclear Organotin Tectons. Extending the Spacing in Double Ladder Structures  
Irán Rojas-León, Gelen Gómez-Jaimes, Pedro Montes-Tolentino, Wolf Hiller, Hazem Alnasr, Braulio Rodríguez-Molina, Irán F. Hernández-Ahuactzi, Hiram Beltrán, Klaus Jurkschat, Herbert Höpfl  
*Chem. Eur. J.* **2021**, *27*, 12276–12283. [doi.org/10.1002/chem.202101055](https://doi.org/10.1002/chem.202101055)

**335.** Organotin(IV) derivatives containing heteroditopic pyridyl-quinolin-8-olate ligands: Synthesis and structures  
Tushar S. Basu Baul, Anurag Chaurasiya, Banteilang Lyngdoh Nonglait, Antonin Lyčka, Dieter Schollmeyer, Klaus Jurkschat  
*J. Organomet. Chem.* **2021**, <https://doi.org/10.1016/j.jorganchem.2021.121898>  
0022-328/© 2021.

**334.** Dinuclear organotin building blocks and their conversion into a tetranuclear macrocycle containing Sn–O–Sn linkages  
Gelen Gómez-Jaimes, Irán Rojas León, Rodolfo Martínez Romero, Hiram I. Beltrán, Braulio Rodríguez-Molina, Wolf Hiller, Klaus Jurkschat, Irán F. Hernández, Herbert Höpfl  
*Eur. J. Inorg. Chem.* **2021**, *22*, 2148 – 2162. <https://doi.org/10.1002/ejic.202100186>

**333.** Dosimetry and optimal scan time of [F-18]SiTATE-PET/CT in patients with neuroendocrine tumours  
Beyer, Leonie ; Gosewisch, Astrid ; Lindner, Simon); Voelter, Friederike; Mittlmeier, Lena M.; Tiling, Reinhold; Brendel, Matthias; Cyran, Clemens C.; Unterrainer, Marcus; Ruebenthaler, Johannes; Auernhammer, Christoph J.; Spitzweg, Christine; Boening, Guido ; Gildehaus, F. J.; Jurkschat, Klaus; Wängler, Carmen; Wängler, Bjoern; Schirmmacher, Ralf; Wenter, Vera; Todica, Andrei; Bartenstein, Peter; Ilhan, Harun

**2020**

- 332.** MeSi(CH<sub>2</sub>SnRO)<sub>3</sub> (R = Ph, Me<sub>3</sub>SiCH<sub>2</sub>): Building blocks for triangular-shaped diorganotin oxide macrocycles  
Jihed Ayari, Christian Göb, Iris Ooppel, Michael Lutter, Wolf Hiller, Klaus Jurkschat  
*Angew. Chem. Int. Ed.* **2020**, *59*, 23892 – 23898.
- 331.** Radiosynthesis of [<sup>18</sup>F]SiFalin-TATE ([<sup>18</sup>F]SiTATE) for clinical neuroendocrine tumor Positron Emission Tomography  
Simon Lindner, Carmen Wängler, Justin J. Bailey, Klaus Jurkschat, Peter Bartenstein, Björn Wängler, Ralf Schirmacher  
*Nature Protocols* **2020**, *15*, 3827–3843.
- 330.** Water-soluble organotin compounds. Syntheses, structures and reactivity towards fluoride anion in water  
Nour Alashkar, Massimiliano Arca, Hazem Alnasr, Michael Lutter, Vito Lippolis  
Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2020**, 3925 – 3936.  
<https://doi.org/10.1002/ejic.202000665>
- 329.** Automated production of [<sup>18</sup>F]SiTATE on a Scintomics GRP™ platform for PET/CT imaging of neuroendocrine tumors  
Simon Lindner, Marcel Simmet, Franz Josef Gildehaus, Klaus Jurkschat, Carmen Wängler, Björn Wängler, Peter Bartenstein, Ralf Schirmacher, Harun Ilhan  
*Nuclear Medicine and Biology* **2020**, *88–89*, 86–95.
- 328.** Dinuclear organotin compounds carrying naphthylene- and biphenylene-spacer groups

Irán Rojas-León, María G. Hernández-Cruz, Eva C. Vargas-Olvera, Herbert Höpfl, Hazem Alnasr, Klaus Jurkschat  
*J. Organomet. Chem.* **2020**, *920*,  
<https://doi.org/10.1016/j.jorganchem.2020.121344>

- 327.** Crystal structural and *in silico* studies of Schiff bases derived from 4-aminoantipyrine  
Valentine Ossai , Ayogu Patrick Obiefuna , Bulus Caleb Laraps , Obinna Ugochukwu Okenyeka, Julius Chigozie Ezeorah, Necmi Dege, Akachukwu Ibezim, Michael Lutter, Klaus Jurkschat, Nnamdi Lawrence Obasi  
*Solid State Sciences* **2020**, *106*, 106293.
- 326.** Diorganotin Compounds Containing  $\alpha$ -Aminoacidato Schiff Base Ligands Derived from Functionalized 2-Hydroxy-5-(aryldiazenyl)benzaldehyde. Syntheses, Structures and Sensing of Hydrogen Sulfide  
Tushar S. Basu Baul, Anurag Chaurasiya, Monosh Rabha, Snehadrinarayan Khatua, Antonin Lyčka, Dieter Schollmeyer, and Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2020**, **1803–1813**.
- 325.** Biodistribution and first clinical results of  $^{18}\text{F}$ -SiFAlin-TATE PET: a novel  $^{18}\text{F}$ -labeled somatostatin analog for imaging of neuroendocrine tumors  
Harun Ilhan, S. Lindner, A. Todica, C. C. Cyran, R. Tiling, C. J. Auernhammer, C. Spitzweg, S. Boeck, M. Unterrainer, F. J. Gildehaus, G. Böning, K. Jurkschat, C. Wängler, B. Wängler, R. Schirmacher, P. Bartenstein  
*Eur J Nucl Med Mol Imaging* **2020**, *47*, 870–880.  
<https://doi.org/10.1007/s00259-019-04501-6>

## 2019

- 324.** Structural, computational and in silico studies of Schiff bases derived from 2,3-dihydroxybenzaldehyde and molecular structure of their zwitterionic forms  
L. N. Obasi, J. C. Ezeorah, V. O. Ayogu, J. U. S. Oruma, A. Ibezim, M. Lutter, L. Rhyman, K. Jurkschat, N. Dege, P. Ramasami  
*J. Molecular Chem.* **2019**, 1188, 69-75.  
<https://doi.org/10.1016/j.molstruc.2019.03.081>
- 323.** Formation of Metal-Based 21- and 22-Membered Macrocycles from Dinuclear Organotin Tectons and Ditopic Organic Ligands Carrying Carboxylate or Dithiocarbamate Groups  
Irán Rojas-León, Hazem Alnasr, Klaus Jurkschat, María G. Vasquez-RíoGelen Gómez-Jaimes, Herbert Höpfl, Irán F. Hernández-Ahuactzí, Rosa Santillan  
*Organometallics* **2019**, 38, 2443-2460.
- 322.** Control of  $\Lambda$ ,  $\Delta$ -Isomerization of the Atrane Cages in Group XIV Metallatranes by Chiral Axial Substituents  
Britta Glowacki, Michael Lutter, Wolf Hiller, Klaus Jurkschat  
*Inorg. Chem.* **2019**, 58, 4244–4252.
- 321.** A novel ferrocene-backboned unsymmetrical pincer-type proligand and its organotin derivatives  
Matthias Gawron, Bastian Nayyar, Christina Krabbe, Michael Lutter, Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2019**, 1799–1809.
- 320.** The sodium chloride complex *catena*-poly[[[ $\mu_3$ -2-[bis(2-hydroxyethyl)amino]-ethan-1-ol]sodium]chloride],  $N(\text{CH}_2\text{CH}_2\text{OH})_3 \cdot \text{NaCl}$   
Christina Krabbe, Vinusuya Gock, Michael Lutter and Klaus Jurkschat  
IUCrData (2019). **4**, x190238. <https://doi.org/10.1107/S2414314619002384>

- 319.** GlucoSiFA and LactoSiFA: New Types of Carbohydrate-Tagged Silicon-Based Fluoride Acceptors for <sup>18</sup>F-Positron Emission Tomography (PET)  
Anja Wiegand, Vera Wiese, Britta Glowacki, Ljuba Iovkova, Ralf Schirmacher, Klaus Jurkschat, Norbert Krause  
*Synthesis* **2019**, 51,1196-1206.
- 318.** Insight into the Electron Density Distribution in an O,N-Heterocyclic Stannylene by High-Resolution X-ray Diffraction Analysis  
Maxim G. Chegerev, Alexandr V. Piskunov, Kseniya V. Tsys, Andrey G. Starikov, Klaus Jurkschat, Evgeny V. Baranov, Adam I. Stash, and Georgy K. Fukin  
*Eur. J. Inorg. Chem.* **2019**, 875–884.
- 317.** “Silicon-based <sup>18</sup>F-radiopharmaceuticals: from basic SiFA chemistry toward its clinical application“  
Ralf Schirmacher, Vadim Bernard-Gauthier, Esther Schirmacher, Justin J. Bailey, Klaus Jurkschat, Carmen Wängler , Björn Wängler  
In „*Fluorine in Life Sciences: Pharmaceuticals, Medicinal Diagnostics, and Agrochemicals*“ Ed. Günter Haufe, Frédéric R. Leroux, Academic Press **2019**

## 2018

- 316.** "Cis versus Trans: The Coordination Environment About the Tin(IV) Atom in Spirocyclic Amino Alcohol Derivatives"  
Britta Glowacki, Roman Pallach, Michael Lutter, Fabian Roesler, Hazem Alnasr, Cederic Thomas, Dieter Schollmeyer, Klaus Jurkschat  
*Chem.Eur.J.* **2018**, *24*, 19266–19279.
- 315.** Aryl(dimethylaminomethyl)phosphinic Acid Esters. Syntheses, Structures, and Reactions with Halogen Hydrogen Acids, Tin Halides and Trimethyl Halosilanes  
Michael Lutter, Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2018**, 3481–3490.
- 314.** Lone pair– $\pi$  vs.  $\sigma$ -hole– $\pi$  interactions in bromine head-containing oxacalix[2]arene[2]triazines  
Muhammad Moazzam Naseer, Antonio Bauzá, Hazem Alnasr, Klaus Jurkschat, Antonio Frontera  
*CrystEngComm*, **2018**, *20*, 3251.
- 313.** The *tert*-butylaminomethyl(mesityl)phosphinic acid ester and formation of its zinc dichloride complex: syntheses and characterization  
Michael Lutter, Lukas M. Stratmann, Klaus Jurkschat  
*Main Group Metal Chem.* **2018**, *41*, 109-113.
- 312.** Molecular Tectonics with Di- and Trinuclear Organotin Compounds  
Irán Rojas-León, Hazem Alnasr, Klaus Jurkschat, María G. Vasquez-Ríos, Irán F. Hernández-Ahuactzi, and Herbert Höpfl  
*Chem. Eur. J.* **2018**, *24*, 4547 – 4551.



- 311.** N-Functionalized Ferrocenes. Subvalent Group XIV Element Chlorides and an tButyl Lithium-Induced C—C Bond Cleavage Under Mild Conditions  
Bastian Nayyar, Hazem Alnasr, Wolf Hiller, and Klaus Jurkschat  
*Angew. Chem. Int. Ed.* 10.1002/anie.201800128  
*Angew. Chem.* 10.1002/ange.201800128
- 310.** Rational syntheses and serendipity: the compounds  $[\text{LSnPtCl}_2(\text{SMe}_2)]_2$ ,  $[\{\text{LSnPtCl}(\text{SMe}_2)\}_2\text{SnCl}_2]$ ,  $[(\text{LSn})_3(\text{PtCl}_2)(\text{PtClSnCl})\{\text{LSn}(\text{Cl})\text{OH}\}]$  and  $[\text{O}(\text{SnCl})_2(\text{SnL})_2]$  with  $\text{L} = \text{MeN}(\text{CH}_2\text{CMe}_2\text{O})_2$   
Zöller, T., Dietz, C., Winter, F., Pöttgen, R., Gorelsky, S. I., Hoffmann, A., Herres-Pawlis, S. and Jurkschat, K.  
*Chem. Eur. J.* **2018**, 24,1–12.
- 309.** Organotin-functionalized Crown Ethers as Ditopic Hosts for Lithium Salts: Synthesis, Structures and Complexation Studies of  $\text{X}_3\text{SnCH}_2[16]\text{-crown-5}$  ( $\text{X} = \text{I}, \text{Br}, \text{Cl}$ )  
Verena Arens, Muhammad Moazzam Naseer, Michael Lutter, Ljuba Iovkova-Behrens, Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2018**, 1540–1545.
- 308.**  $^{18}\text{F}$ -Radiolabeling and In Vivo Analysis of SiFA-Derivatized Polymeric Core–Shell Nanoparticles  
Sheldon Berke, Anne-Larissa Kampmann, Melinda Wuest, Justin J. Bailey, Britta Glowacki, Frank Wuest, Klaus Jurkschat, Ralf Weberskirch, and Ralf Schirmacher  
*Bioconjugate Chem.* **2018**, 29, 89–95.

- 307.** Interplay of Lewis acidity, intramolecular O→Sn interactions and selectivity: Organotin-functionalized crown ethers as ditopic hosts for sodium and potassium halides  
Alain Charly Tagne Kuate, Muhammad Moazzam Naseer, Michael Lutter and Klaus Jurkschat  
*Chemical Communications*, **2018**, *54*, 739-742.
- 306.** Synthesis, characterization and computational studies of 3-*{(E)-[(2-hydroxyphenyl)-imino]methyl}*benzene-1,2-diol and molecular structure of its zwitterionic form  
Julius Chigozie Ezeorah, Valentine Ossai, Lawrence Nnamdi Obasi, Mohamed I. Elzagheid, Lydia Rhyman, Michael Lutter, Klaus Jurkschat, Necmi Dege, Ponnadurai Ramasami  
*Journal of Molecular Structure* **2018**, *1152*, 21-28.

## 2017

- 305.** It's getting tight. Highly substituted intramolecularly P=O→Sn coordinated ferrocene derivatives  
Bastian Nayyar, Ramid Kapoor, Michael Lutter, Hazem Alnasr, Klaus Jurkschat  
*Eur. J. Inorg. Chem.*, **2017**, *33*, 3967–3978.
- 304.** Synthesis, characterization, antimicrobial screening and in silico studies of Schiff bases derived from trans-paramethoxycinnamaldehyde  
N.L. Obasi, G.U. Kaior, A. Ibezim, Alfred E. Ochonogor, Lydia Rhyman, Veikko Uahengo, Michael Lutter, Klaus Jurkschat, Ponnadurai Ramasami  
*Journal of Molecular Structure* **2017**, *1149*, 8-16.
- 303.** The amino alcohol MeN(CH<sub>2</sub>CMe<sub>2</sub>OH)<sub>2</sub>  
Michael Lutter, Vinusuya Gock and Klaus Jurkschat  
IUCrData **2017**, *2*, x170799 doi.org/10.1107/S2414314617007994.
- 302.** "Novel Ferrocene-Based Potentially D,C,D-Coordinating ( D = O, S) Pincer-Type Pro-Ligands and Their Organotin Derivatives"  
Bastian Nayyar, Stefan Koop, Michael Lutter, Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2017**, 3233–3238.
- 301.** **Organotin-based receptors for anions and ion pairs**  
**Muhammad Moazzam Naseera, and Klaus Jurkschat**  
**Chem. Commun.**, **2017**, *53*, 8122—8135.
- 300.** Introducing Stereogenic Centers to Group XIV Metallatrane  
Britta Glowacki, Michael Lutter, Hazem Alnasr, Rana Seymen, Wolf Hiller, and Klaus Jurkschat  
*Inorg. Chem.* **2017**, *56* (9), 4937–4949.

- 299.** Potassium-doped mesoporous bioactive glass: Synthesis, characterization and evaluation of biomedical properties  
Muhammad Shoaib, Amer Saeed, Javeed Akhtar, Muhammad Saif Ur Rahman, Aman Ullahd, Klaus Jurkschat, Muhammad Moazzam Naseer  
*Materials Science and Engineering C 75*, **2017**, 836–844.
- 298.** Role of the Trichlorostannyl Ligand in Tin–Ruthenium Arene Complexes: Experimental and Computational Studies  
Miroslav Novák, Marek Bouška, Libor Dostál, Michael Lutter, Klaus Jurkschat, Jan Turek, Frank De Proft, Zdeňka Růžicková, and Roman Jambor  
*Eur. J. Inorg. Chem.* **2017**, 1292–1300.
- 297.** Liquid membrane transport of potassium fluoride by the organotin-based ditopic host Ph<sub>2</sub>FSnCH<sub>2</sub>SnFPh-CH<sub>2</sub>-[19]-crown-6  
Alain Charly Tagne Kuate, Muhammad Moazzam Naseer and Klaus Jurkschat  
*Chem. Commun.*, **2017**, 53, 2013.
- 296.** Hydrosilylation of RN=CH Imino-Substituted Pyridines without a Catalyst  
Miroslav Novák, Hana Hošnová, Libor Dostál, Britta Glowacki, Klaus Jurkschat, Antonín Lyčka, Zdenka Ruzickova, and Roman Jambor  
*Chem. Eur. J.* **2017**, 23, 1 – 11.
- 295.** **Reactivity of Elemental Tin and Zinc toward Organophosphonic Acid Dialkyl Esters: A New One-Pot Recipe for the Synthesis of Coordination Assemblies Derived from O-Alkylorganophosphonate Ligands**  
**Ravi Shankar, Swati Mendiratta, Nisha Singla, Gabriele Kociok-Köhn, Michael Lutter, and Klaus Jurkschat**  
*Inorg. Chem.* **2017**, 56 (2), 721–724.

## 2016

- 294.** Novel Stannatrane  $N(\text{CH}_2\text{CMe}_2\text{O})_2(\text{CMe}_2\text{CH}_2\text{O})\text{SnO}-t\text{-Bu}$  and Related Oligonuclear Tin(IV) Oxoclusters. Two Isomers in One Crystal  
Britta Glowacki, Michael Lutter, Dieter Schollmeyer, Wolf Hiller, and Klaus Jurkschat  
*Inorg. Chem.* **2016**, *55*, 10218–10228.
- 293.** Syntheses, Structures, and Complexation Studies of Tris(organostannyl)methane Derivatives  
Anicet Siakam Wendji, Michael Lutter, Lukas M. Stratmann, and Klaus Jurkschat  
*ChemistryOpen* **2016**, *5*, 554–565.
- 292.** Unsymmetrical Bicentric Organotin Lewis Acids  $\{\text{Me}_2\text{N}(\text{CH}_2)_3\}\text{Ph}(\text{X})\text{Sn}(\text{CH}_2)_n\text{SnPh}_2\text{X}$  ( $\text{X} = \text{F}, \text{I}; n = 1, 3$ ): Syntheses and Structures  
Nour Alashkar, Christina Dietz, Samer Baba Haj, Wolf Hiller, and Klaus Jurkschat  
*Organometallics* **2016**, *35*, 2738–2746.
- 291.** A Ferrocenyl-Backboned Unsymmetric O,C-Coordinating Ligand and Its Tin Derivatives  
Bastian Janssen, Michael Lutter, Hazem Alnasr, Ingo Krossing, and Klaus Jurkschat  
*ChemistryOpen* **2016**, *5*, 319–324.
- 290.** Silicon- and Tin-Containing Open-Chain and Eight-Membered-Ring Compounds as Bicentric Lewis Acids toward Anions  
Anicet Siakam Wendji, Christina Dietz, Silke Kühn, Michael Lutter, Dieter Schollmeyer, Wolf Hiller, and Klaus Jurkschat  
*Chem. Eur. J.* **2016**, *22*, 404–416.

- 289.** From Unorthodox to Established: The Current Status of  $^{18}\text{F}$ -Trifluoroborate- and  $^{18}\text{F}$ -SiFA-Based Radiopharmaceuticals in PET Nuclear Imaging  
Vadim Bernard-Gauthier, Justin J. Bailey, Zhibo Liu, Björn Wängler, Carmen Wängler, Klaus Jurkschat, David M. Perrin, Ralf Schirmacher  
*Bioconjugate Chemistry* **2016**, 27 (2), 267–279.

## 2015

- 288.** Cyclo-Stannasiloxanes Containing Both Oxygen Atoms and Methylene Moieties within the Ring and Formation of Related Organotinxo Clusters  
Samer Baba Haj, Christina Dietz, Michael Lutter, and Klaus Jurkschat  
*Organometallics* **2015**, *34*, 5555–5565.
- 287.** Cyclic Dinuclear Organotin Cations Stabilized by Bulky Substituents  
Michael Wagner, Bernhard Zobel, Christina Dietz, Dieter Schollmeyer, and Klaus Jurkschat  
*Organometallics* **2015**, *34* (23), 5602–5608.
- 286.** Different Complexation Behavior of P-Functionalized Ferrocene Derivatives Towards SnCl<sub>2</sub>, SnCl<sub>4</sub> and SnPh<sub>2</sub>Cl<sub>2</sub>: Auto-ionization and Redox-Type Reactions  
Matthias Gawron, Christina Dietz, Michael Lutter, Andrew Duthie, Viacheslav Jouikov, and Klaus Jurkschat  
*Chem. Eur. J.* **2015**, *21*, 16609 –16622.
- 285.** [4-*t*Bu-2,6-{P(O)(OiPr)<sub>2</sub>}<sub>2</sub>C<sub>6</sub>H<sub>2</sub>Sn(PPh<sub>3</sub>)Cr(CO)<sub>5</sub>]ClO<sub>4</sub> – a salt containing a cationic triphenylphosphane-stabilized organostannylene transition metal complex  
Michael Wagner, Thomas Zöller, Christina Dietz and Klaus Jurkschat  
*Main Group Metal Chemistry* **2015**, *38*(5-6), 169–173.

- 284. N-Coordinated Tin(II) Trifluoromethanesulfonates and Their Reactions with Transition Metal Carbonyls**  
Marek Bouska, Libor Dostál, Michael Lutter, Britta Glowacki, Zdenka Ruzickova, Daniel Beck, Roman Jambor, and Klaus Jurkschat  
*Inorg. Chem.* **2015**, *54*, 6792–6800.
- 283. On the Reactivity of RSnCl and RSiMe<sub>3</sub> {R = 4-tBu-2,6-[P(O)(OiPr)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>} towards BF<sub>3</sub>·OEt<sub>2</sub>: Competing Lewis Acidities**  
Michael Wagner, Michael Lutter, Christina Dietz, and Marc H. Prosenc, and Klaus Jurkschat  
*Eur. J. Inorg. Chem.* **2015**, 2152–2158.
- 282. [Me<sub>2</sub>C{SnCH(SiMe<sub>3</sub>)<sub>2</sub>}]<sub>2</sub>. A μ-Me<sub>2</sub>C-bridged tetrastanna tetrahedrane**  
Michael Wagner, Michael Lutter, Bernhard Zobel, Wolf Hiller, Marc H. Prosenc and Klaus Jurkschat  
*Chem. Commun.* **2015**, *51*, 153-156.



## 2014

- 281.** Organohydridosilanes containing Y,C,Y-chelating ligands: Reactivity and vapour pressure studies  
Miroslav Novák, Libor Dostál, Zdenka Padělková, Klaus Jurkschat, Christina Dietz, Květoslav Růžička, Michal Fulem, Antonín Lyčka, Roman Jambor  
*Journal of Organometallic Chemistry* **2014**,772-773,1-6
- 280.** Syntheses and Molecular Structures of  $[\text{R}\text{Sn}\{\text{W}(\text{CO})_3\text{Cp}\}_2][\text{W}(\text{CO})_3\text{Cp}]$ ,  $[\text{R}\text{Sn}\{\text{W}(\text{CO})_3\text{Cp}\}\text{Cl}_2]$ , and  $[\text{R}\text{Sn}\{\text{W}(\text{CO})_3\text{Cp}\}\text{Cr}(\text{CO})_5]$  (R = [4-*t*-Bu-2,6- $\{\text{P}(\text{O})(\text{OR}')_2\}_2\text{C}_6\text{H}_2$ ], R' = Et, *i*-Pr). Autoionization Induced by Intramolecular P=O $\rightarrow$ Sn Coordination  
Stefan Krabbe, Michael Wagner, Christian Löw, Christina Dietz, Markus Schürmann, Alexander Hoffmann, Sonja Herres-Pawlis, Michael Lutter, and Klaus Jurkschat  
*Organometallics* **2014**, 33, 4433–4441.
- 279.**  $^{18}\text{F}$ -Labeled Silicon-Based Fluoride Acceptors: Potential Opportunities for Novel Positron Emitting Radiopharmaceuticals  
Vadim Bernard-Gauthier, Carmen Wängler, Esther Schirmmacher, Alexey Kostikov, Klaus Jurkschat, Bjoern Wängler, and Ralf Schirmmacher  
*BioMed Research International* **2014**, <http://dx.doi.org/10.1155/2014/454503>.
- 278.** Automated radiosynthesis of N-succinimidyl 3-(di-*tert*-butyl $^{18}\text{F}$  fluorosilyl)benzoate ( $^{18}\text{F}$ SiFB) for peptides and proteins radiolabeling for positron emission tomography  
R. Koudih, A.Kostikov, M.Kovacevic, D.Jolly, V.Bernard-Gauthier, J.Chin, K. Jurkschat, C.Wängler, B.Wängler, R.Schirmmacher  
*Applied Radiation and Isotopes* **2014**, 89, 146–150.

## 2013

- 277.** Arylphosphonic acid esters as bridging ligands in coordination polymers of bismuth  
Dirk Mansfeld, Christina Dietz, Tobias Ruffer, Petra Ecorchard, Colin Georgi, Heinrich Lang, Markus Schürmann, Klaus Jurkschat and Michael Mehring  
*Main Group Met. Chem.* **2013**, 36, 193-208.
- 276.** **Straightforward synthesis of novel cyclic metallasiloxanes supported by an N,C,N-chelating ligand**  
Adéla Fridrichová, Barbora Mairychová, Zdeňka Padělková, Antonín Lyčka, Klaus Jurkschat, Roman Jambor and Libor Dostál  
*Dalton Trans.*, **2013**, 42, 16403–16411.
- 275.** Reactivity of Organotin(II) Dimers  $R_2SnSnR_2$  ( $R = 2,6-(Me_2NCH_2)_2C_6H_3, 4-t-Bu-2,6-\{P(O)(O-i-Pr)_2\}C_6H_2$ ) with Diaryl Dichalcogenides,  $ArEEAr$  ( $E = S, Se, Te; Ar = Ph, 2-C_5H_4N$ ): Control of Secondary  $Sn \cdots Sn$  Interactions by Intramolecular Coordination and Identity of the Aryl Chalcogenate  
Michael Wagner, Christina Dietz, Marek Bouška, Libor Dostál, Zdeňka Padělková, Roman Jambor, and Klaus Jurkschat  
*Organometallics* **2013**, 32 (17), 4973–4984.
- 274.** **NHC to aNHC rearrangement by an organotin sulphide cation**  
Michael Wagner, Thomas Zöller, Wolf Hiller, Marc H. Prosenc, and Klaus Jurkschat  
*Chem. Commun.* **2013**, 49, 8925-8927.
- 273.** Diastereoselective Ortho Metalation of a Chiral Ferrocenylphosphonic Diamide and Its Organotin Derivates  
Christina Dietz, Viatcheslav Jouikov, and Klaus Jurkschat  
*Organometallics* **2013**, 32 (20), 5906–5917.

272. **Extending the Family of N-Heterocyclic Heavy Carbene Analogues: Synthesis and Crystal and Molecular Structures of  $\text{MeN}[\text{CH}_2\text{C}(\text{O})\text{N}(\text{R})]_2\text{Sn}$  ( $\text{R} = \text{Me}_2\text{NCH}_2\text{CH}_2, \text{PhCH}_2, \text{Me}_3\text{CCH}_2$ )**  
Ljuba Iovkova-Berends, Miriam Seiger, Thomas Westfeld, Alexander Hoffmann, Sonja Herres-Pawlis, and Klaus Jurkschat  
*Eur. J. Inorg. Chem.* 2013, 34, 5836–5842.
271. **Simplicity Meets Beauty. Trapping Molecular Dimethyltin Oxide in the Novel Organotin(II) Cluster  $[\text{MeN}(\text{CH}_2\text{CH}_2\text{O})_2\text{SnMe}_2 \cdot \text{Me}_2\text{SnO}]_3$**   
Michael Gock, Bianca Wiedemann, Christina Dietz, Chenyu Bai, Michael Lutter, Vinusuya Abeyawarathan, and Klaus Jurkschat  
*Organometallics* 2013, 32 (15), 4262–4269.
270.  **$[\text{4-tBu-2,6-}\{\text{P}(\text{O})(\text{OiPr})_2\}_2\text{C}_6\text{H}_2\text{SnL}\}\text{X}$ : An NHC-Stabilized Organotin(II) Cation and Related Derivatives**  
Michael Wagner, Thomas Zöllner, Wolf Hiller, Marc H. Prosenc, and Klaus Jurkschat  
*Chem. Eur. J.* 2013, 19 (29), 9463–9467.
269. **Novel Tin-Containing Crown Ether Substituted Ferrocenophanes as Redox-Active Hosts for the Ditopic Complexation of Lithium Chloride**  
Anicet Siakam Wendji, Michael Lutter, Christina Dietz, Viatcheslav Jouikov, and Klaus Jurkschat  
*Organometallics* 2013, 32 (20), 5720–5730.
268. **Synthesis of Dibromobenzobarrelene Derivatives and Catalytic Activity of their Rhodium Complexes**  
Maik Schlesinger, Max Hofmann, Tobias Ruffer, Dieter Schaarschmidt, Heinrich Lang, Sergio Theilacker, Markus Schürmann, Klaus Jurkschat, and Michael Mehring  
*Eur. J. Inorg. Chem.* 2013, 2930–2939.

- 267. Intramolecularly Coordinated Bis(crown ether)-Substituted Organotin Halides as Ditopic Salt Receptors**  
Verena Arens, Christina Dietz, Dieter Schollmeyer, and Klaus Jurkschat  
*Organometallics* 2013, 32 (9), 2775–2786.
- 266. Chromium Pentacarbonyl-Substituted Organotin(II) Cation Stabilized by p-Dimethylaminopyridine or Triphenylphosphane Oxide**  
Michael Wagner, Markus Henn, Christina Dietz, Markus Schürmann, Marc H. Prosenc, and Klaus Jurkschat  
*Organometallics* 2013, 32 (8), 2406–2415.
- 265. Insights into the Intramolecular Donor Stabilisation of Organostannylene Palladium and Platinum Complexes: Syntheses, Structures and DFT Calculations**  
Michael Wagner, Vajk Deáky, Christina Dietz, Jana Martincová, Bernard Mahieu, Roman Jambor, Sonja Herres-Pawlis, and Klaus Jurkschat  
*Chem. Eur. J.* 2013, 19, 6695–6708.
- 264. The 2,8-dioxa-5-aza-1-sila-bicyclo[3.3.0<sup>1.5</sup>]octane PhN(CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>SiH<sub>2</sub> as reducing reagent: synthesis and molecular structure of PhN(CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>Sn**  
Thomas Zöllner, Michael Lutter, Thorsten Berends, Klaus Jurkschat  
*Main Group Met. Chem.* 2013, 36, (3-4), 77–82.
- 263. Novel Trialkanolamine Derivatives of Tin of the Type [N(CH<sub>2</sub>CMe<sub>2</sub>O)<sub>2</sub>(CH<sub>2</sub>)<sub>n</sub>OSnOR]<sub>m</sub> (m = 1, 2; n = 2, 3; R = t-Bu, 2,6-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>) and Related Tri- and Pentanuclear Tin(IV) Oxoclusters. Syntheses and Molecular Structures**  
Thomas Zöllner and Klaus Jurkschat  
*Inorg. Chem.* 2013, 52, 1872-1882.

## 2012

- 262.** Protein labeling with the labeling precursor  $^{18}\text{F}$ SiFA-SH for positron emission tomography  
Björn Wängler, Alexey P. Kostikov, Sabrina Niedermoser, Joshua Chin, Katy Orchowski, Esther Schirmacher, Ljuba Iovkova-Berends, Klaus Jurkschat, Carmen Wängler & Ralf Schirmacher  
*Nature Protocols* **2012**, 7, (11), 1964-1969.
- 261.** Synthesis of  $^{18}\text{F}$ SiFB: a prosthetic group for direct protein radiolabeling for application in positron emission tomography  
Alexey P Kostikov, Joshua Chin, Katy Orchowski, Sabrina Niedermoser, Klaus Jurkschat, Ljuba Iovkova-Berends, Carmen Wängler, Björn Wängler & Ralf Schirmacher  
*Nature Protocols* **2012**, 7, (11), 1956-1963.
- 260.** One-Step  $^{18}\text{F}$ -labeling of peptides for positron emission tomography imaging using the SiFA methodology  
Carmen Wängler, Sabrina Niedermoser, Joshua Chin, Katy Orchowski, Esther Schirmacher, Klaus Jurkschat, Ljuba Iovkova-Berends, Alexey P Kostikov, Ralf Schirmacher & Björn Wängler  
*Nature Protocols* **2012**, 7, (11), 1946-1955.
- 259.**  $[\text{Me}_2(i\text{-PrPSiCH}_2)_2\text{SnBr}_2]$ : Evidence for Intramolecular Si—O Bond Activation  
Samer Baba Haj, Markus Schürmann, Ljuba Iovkova-Berends, Sonja Herres-Pawlis and Klaus Jurkschat  
*Organometallics* **2012**, 31, 4716-4721
- 258.** **N-Aryl-Substituted 5-Aza-2,8-dioxasilabicyclo[3.3.0<sup>1.5</sup>]octanes. Syntheses, Molecular Structures, DFT Calculations, and Cyclovoltammetric Studies**  
M. Lutter, L. Iovkova-Berends, C. Dietz, V. Jouikov, K. Jurkschat  
*Main Group Met. Chem.* **2012**, 35 (1-2), 41-45.

257. **{4-t-Bu-2,6-[P(O)(O-i-Pr)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>Sn}<sub>2</sub>: An Intramolecularly Coordinated Organotin(I) Compound with a Sn–Sn Single Bond, Its Disproportionation toward a Diorganostannylene and Elemental Tin, and Its Oxidation with PhI(OAc)<sub>2</sub>**  
M. Wagner, C. Dietz, S. Krabbe, S. G. Koller, C. Strohmann, and Klaus Jurkschat  
Inorg. Chem. 2012, 51, 6851-6859.
256. **Trapping molecular SnBr<sub>2</sub>(OH)<sub>2</sub> by Tin Alkoxide Coordination. Syntheses and Molecular Structures of [MeN(CH<sub>2</sub>CMe<sub>2</sub>O)<sub>2</sub>SnBr<sub>2</sub>]<sub>2</sub>·SnBr<sub>2</sub>(OH)<sub>2</sub> and RN(CH<sub>2</sub>CMe<sub>2</sub>O)<sub>2</sub>SnL (R = Me, n-Octyl; L = lone pair, Cr(CO)<sub>5</sub>, W(CO)<sub>5</sub>, Fe(CO)<sub>4</sub>, Br<sub>2</sub>)**  
L. Iovkova-Berends, T. Berends, T. Zöllner, D. Schollmeyer, G. Bradtmöller, and K. Jurkschat  
Eur. J. Inorg. Chem. 2012, 3469-3473.
255. **Novel Tin(II) and Tin(IV) Compounds with Scorpion-shaped Ligands: Intramolecular N→Sn versus Intermolecular O→Sn Coordination.**  
L. Iovkova-Berends, T. Berends, T. Zöllner, G. Bradtmöller, S. Herres-Pawlis, and Klaus Jurkschat,  
Eur. J. Inorg. Chem. 2012, 3191-3199.
254. **Intramolecularly Coordinated Organotin Tellurides: Stable or Unstable?**  
Marek Bouška, Libor Dostál, Zdeňka Padělková, Antonín Lyčka, Sonja Herres-Pawlis, Klaus Jurkschat, and Roman Jambor  
Angew. Chem. Int. Ed. 2012, 51, 3478-3482
253. **Oxalic Acid Supported Si-<sup>18</sup>F-Radiofluorination: One-Step Radiosynthesis of N-Succinimidyl 3-(Di-tert-butyl[<sup>18</sup>F]fluorosilyl)benzoate ([<sup>18</sup>F]SiFB) for Protein Labeling**  
Alexey P. Kostikov, Joshua Chin, Katy Orchowski, Sabrina Niedermoser, Miriam M. Kovacevic, Antonio Aliaga, Klaus Jurkschat, Bjoern Wängler, Carmen Wängler, Jans-Jürgen Wester, and Ralf Schirmacher  
Bioconjugate Chem. 2012, 23, 106-114.

**252.** Novel Stannatranes of the Type  $N(\text{CH}_2\text{CMe}_2\text{O}_3)\text{SnX}$  ( $X = \text{OR}, \text{SR}, \text{OC(O)R}, \text{SP(S)Ph}_2, \text{Halogen}$ ). Synthesis, Molecular Structures, and Electrochemical Properties

Thomas Zöllner, Christina Dietz, Ljuba Iovkova-Berends, Olga Karsten, Gerrit Bradtmöller, Ann-Kristin Wiegand, Yu Wang, Viatcheslav Jouikov, and Klaus Jurkschat

*Inorg. Chem.* **2012**, *51*, 1041-1056.

2011

251. Crystal and molecular structure of potassium 18-crown-6-[2,6-bis(dimethylaminomethyl)phenyl]tin(IV) tetrafluoride  
Adina Rotar, Richard A. Varga, Markus Schürmann, Cristian Silvestru and Klaus Jurkschat  
Main Group Met. Chem. 2011, 34 (3-4), 57-60.
250. Intramolekular N→Sn Coordination in Tin(II) and Tin(IV) Compounds Based on Enantiopure Ephedrine Derivatives  
Thomas Zöller, Ljuba Iovkova-Berends, Thorsten Berends, Christina Dietz, Gerrit Bradtmöller, and Klaus Jurkschat  
Inorg. Chem. 2011, 50, 8645-8653.
249. From Pseudo-octahedral to Pseudo-trigonal Bipyramidal Configuration: Syntheses and Molecular Structures of 4-t-Bu-2,6-[(EtO)<sub>2</sub>P(O)]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>BiCl<sub>2</sub> and [1(Bi),3(P)-Bi(Cl)OP(O)(OEt)-5-t-Bu-7-P(O)(OEt)<sub>2</sub>]C<sub>6</sub>H<sub>2</sub>  
Katja Peveling, Markus Schürmann, Sonja Herres-Pawlis, Cristian Silvestru, and Klaus Jurkschat  
Organometallics 2011, 30, 5181-5187.
248. t-Bu<sub>2</sub>SiF-Derivatized D<sub>2</sub>-Receptor Ligands: The First SiFA-Containing Small Molecule Radiotracers for Target-Specific PET-Imaging  
Ljuba Iovkova-Berends, Carmen Wängler, Thomas Zöller, Georg Höfner, Klaus Theodor Wanner, Christian Rensch, Peter Bartenstein, Alexey Kostikov, Ralf Schirrmacher, Klaus Jurkschat and Björn Wängler  
Molecule 2011, 16, 7458-7479.
247. Syntheses, Structures and Reactivity of New Intramolecularly Coordinated Tin Alkoxides Based on an Enantiopure Ephedrine Derivative  
Ljuba Iovkova-Berends, Thorsten Berends, Christina Dietz, Gerrit Bradtmöller, Dieter Schollmeyer, and Klaus Jurkschat  
Eur. J. Inorg. Chem., 2011, 3632-364



246. Intramolecularly coordinated heteroleptic organostannylene tungsten pentacarbonyl complexes 4-tBu-2,6-[P(O)(OiPr)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>Sn(X)W(CO)<sub>5</sub> (X = Cl, F, PPh<sub>2</sub>, PPh<sub>2</sub>[W(CO)<sub>5</sub>]). Syntheses and reactivity  
Michael Wagner, Konstantin Dorogov, Markus Schürmann and Klaus Jurkschat  
Dalton Trans. 2011, 40, 8839-8848.
245. SiFA-Modified Phenylalanine: A Key Compound for the Efficient Synthesis of <sup>18</sup>F-Labelled Peptides  
Ljuba Iovkova, Daniel Könnig, Björn Wängler, Ralf Schirmacher, Sebastian Schoof, Hans-Dieter Arndt, and Klaus Jurkschat  
Eur. J. Inorg. Chem. 2011, 2238-2246.
244. N-(4-(di-tert-butyl[<sup>18</sup>F]fluorosilyl)benzyl)-2-hydroxy-N,N-dimethylethylammonium bromide ([<sup>18</sup>F]SiFAN<sup>+</sup>Br<sup>-</sup>): A novel lead compound for the development of hydrophilic SiFA-based prosthetic groups for <sup>18</sup>F-labeling  
Alexey P. Kostikov, Liuba Iovkova, Joshua Chin, Esther Schirmacher, Björn Wängler, Carmen Wängler, Klaus Jurkschat, Gonzalo Cosa, Ralf Schirmacher  
J. Fluorine Chem. 2011, 132, 27-34.
243. Heteroleptic Organostannylenes and an Organoplumbylene Bearing Phosphorus-Containing Pincer-Type Ligands – Structural Variations and Insights into the Configurational Stability  
Markus Henn, Vajk Deáky, Stefan Krabbe, Markus Schürmann, Marc H. Prosenc, Sonja Herres-Pawlis, Bernard Mahieu, and Klaus Jurkschat  
Z. Anorg. Allg. Chem. 2011, 637, 211-223.
242. On the Reaction of Elemental Tin with Alcohols: A Straightforward Approach to Tin(II) and Tin(IV) Alkoxides and Related Tin-oxo Clusters  
Thomas Zöllner, Ljuba Iovkova-Berends, Christina Dietz, Thorsten Berends, and Klaus Jurkschat

**Chem. Eur. J. 2011, 17, 2361-236.**

**241. [2,6-(Me<sub>2</sub>NCH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>}Sn(μ-OH)W(CO)<sub>5</sub>]<sub>2</sub>: A Transition-Metal-Coordinated Organotin(II) Hydroxide**

**Roman Jambor, Sonja Herres-Pawlis, Markus Schürmann, and Klaus Jurkschat**

**Eur. J. Inorg. Chem. 2011, 344-348.**

## 2010

240. **One-Step  $^{18}\text{F}$ -Labeling of Carbohydrate-Conjugated Octreotate-Derivates Containing a Silicon-Fluoride-Acceptor (SiFA): In Vitro and in Vivo Evaluation as Tumor Imaging Agents for Positron Emission Tomography (PET)**  
Carmen Wängler, Beatrice Waser, Andrea Alke, Ljuba Iovkova, Hans-Georg Buchholz, Sabrina Niedermoser, Klaus Jurkschat, Christian Fottner, Peter Bartenstein, Ralf Schirmacher, Jean-Claude Reubi, Hans-Jürgen Wester, and Björn Wängler  
*Bioconjugate Chem.* 2010, 21, 2289-229.
239. **Organotin-substituted [13]-Crown-4 Ethers: Ditopic Receptors for Lithium and Cesium Halides**  
Alain C. Tagne Kuate, Ljuba Iovkova, Wolf Hiller, Markus Schürmann, and Klaus Jurkschat  
*Organometallics* 2010, 29, 5456-5471.
238. **[4-(Di-tert-butylfluorosilanyl)phenyl]-methanol**  
Ljuba Iovkova-Berends, Christina Dietz and Klaus Jurkschat  
*Acta Cryst.* 2010, E66, o2281.
237. **The first Examples of a Crown Ether Intramolecularly Encapsulating Mono- and Diorganotin Dications: Synthesis and Structures of [PhSnCH<sub>2</sub>([16]crown-5)] [ClO<sub>4</sub>]<sub>2</sub> and [HOSnCH<sub>2</sub>([16]crown-5)][Y]<sub>2</sub> (Y=ClO<sub>4</sub>, CF<sub>3</sub>SO<sub>3</sub>)**  
Alain Charly Tagne Kuate, Markus Schürmann, Dieter Schollmeyer, Wolf Hiller, and Klaus Jurkschat  
*Chem. Eur. J.* 2010, 16, 8140-8146.
236. **A solid-state redox buffer as interface of solid-contact ISEs**  
Fritz Scholz, Heike Kahlert, Ulrich Hasse, Anja Albrecht, Alain C. Tagne Kuate, Klaus Jurkschat  
*Electrochemistry Communications* 2010, 12, 955-957.

235. **Bis** **{decacarbonylbis[ $\mu$ -2,2'-**  
**(phenylimono)diethanolato]ditiin(II)ditungsten(0)**  
**(2 Sn-W)}hexacarbolytungsten(0)**  
Thorsten Berends, Ljuba Iovkova, Edward R. T. Tiekink and Klaus Jurkschat  
*Acta Cryst.* 2010, E66, m715-m716.
234. **[{2,6-(Me<sub>2</sub>NCH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>(H<sub>2</sub>O)Sn}W(CO)<sub>5</sub>]<sup>+</sup>CB<sub>11</sub>H<sub>12</sub><sup>-</sup>: Aqua Complex of a  
Transition-Metal-Bound Organotin(II) Cation versus an Ammonium-Type  
Structure**  
Roman Jambor, Blanka Kašná, Stephan G. Koller, Carsten Strohmann,  
Markus Schürmann, and Klaus Jurkschat  
*Eur. J. Inorg. Chem.* 2010, 902-908.

2009

233. **Kit-Like F-Labeling of Proteins: Synthesis of 4-(Di-tert-butyl[F]fluorosilyl)benzenethiol (Di[F]FA-SH) Labeled Rat Serum Albumin for Blood Pool Imaging with PET**  
Björn Wängler, Gabriele Quandt, Ljuba Iovkova, Esther Schirmmayer, Carmen Wängler, Guido Boening, Markus Hacker, Michael Schmoeckel, Klaus Jurkschat, Peter Bartenstein, and Ralf Schirmmayer  
*Bioconjugate Chem.* 2009, 20, 317-321.
232. **The UV-Light Initiated Reaction of Organosilanes with Tungsten Hexacarbonyl: Formation of an Organosilylene Complex and Organosilylium Salts**  
Kai Dannappel, Roland Nienhaus, Markus Schürmann, Burkard Costisella, and Klaus Jurkschat  
*Z. Anorg. Allg. Chem.* 2009, 635, 2126-2134.
231. **Palladium and Molybdenum Complexes of the Heteroleptic Organostannylene [2,6-(Me<sub>2</sub>NCH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>]SnCl**  
Jana Martinová, Roman Jambor, Markus Schürmann, Klaus Jurkschat, Jan Honziček, and Filipe A. Almeida Paz  
*Organometallics* 2009, 28, 4778-4782.
230. **The First Ruthenium Complex of a Heteroleptic Organostannylene: [4-tBu-2,6-{P(O)(O-iPr)<sub>2</sub>}<sub>2</sub>C<sub>6</sub>H<sub>2</sub>]Sn(Cl)Ru(C<sub>6</sub>H<sub>6</sub>)Cl<sub>2</sub>**  
Vajk Deáky, Markus Schürmann, and Klaus Jurkschat  
*Z. Anorg. Allg. Chem.* 2009, 635, 1380-1383.
229. **Diorganotin(IV) compounds containing 2-(Et<sub>2</sub>NCH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub> moieties: configurational stability in solution and solid state structures**  
Adina Rotar, Richard A. Varga, Klaus Jurkschat, Cristian Silvestru  
*J. Organomet. Chem.* 2009, 694, 1385-1392.

- 228. [18F]SiFA.isothiocyanate: A New Highly Effective Radioactive Labeling Agent for Lysine-Containing Proteins**  
Pedro Rosa-Neto, Björn Wängler, Ljuba Iovkova, Guido Boening, Andrew Reader, Klaus Jurkschat and Esther Schirmacher  
Chem. Bio. Chem. 2009, 10, 1321-1324.
- 227. para-Functionalized Aryl-di-tert-butylfluorosilanes as Potential Labeling Synthons for <sup>18</sup>F Radiopharmaceuticals**  
Ljuba Iovkova, Björn Wängler, Esther Schirmacher, Ralf Schirmacher, Gabriele Quandt, Guido Boening, Markus Schürmann, and Klaus Jurkschat  
Chem. Eur. J. 2009, 15, 2140-2147.
- 226. LSn(OCH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>NR (L = lone pair, W(CO)<sub>5</sub>; R = Me, t-Bu). The Molecular Structures of 5-Aza-2,8-dioxa-1-stannabicyclo[3.3.0]<sup>1,5</sup>octanes and Their Tungstenpentacarbonyl Complexes**  
Thorsten Berends, Ljuba Iovkova, Gerrit Bradtmöller, Iris Oppel, Markus Schürmann and Klaus Jurkschat  
Z. Anorg. Allg. Chem. 2009, 635, 369-374.
- 225. Tetraorganodistannoxanes : Simple Chemistry From a Personal Perspective**  
Tin Chemistry  
Fundamentals, Frontiers, and Applications  
Ed. A. G. DAVIES, M. GIELEN, K. H. PANNELL, E. R. T. TIEKINK  
Chapter 2.10  
*Klaus Jurkschat*

2008

- 224. Organotin Compounds  $\text{Ph}_2\text{XSnCH}_2$ -[19]-crown-6 (X = Ph, F, Cl, Br, I, SCN) and  $\text{Ph}_2\text{ISnCH}_2\text{Sn(I)PhCH}_2$ -[19]-crown-6 as Ditopic Receptors for Potassium**

**Salts**

Alain C. Tagne Kuate, Gregor Reeske, Markus Schürmann, Burkhard Costisella, and Klaus Jurkschat

*Organometallics*, **2008**, *27*, 5577-5587.

- 223. Synthesis and characterization of novel intramolecularly O,C,O-coordinated heteroleptic organostannylenes and their tungstenpentacarbonyl complexes** Blanka Kašná, Roman Jambor, Markus Schürmann, Klaus Jurkschat

*J. Organomet. Chem.* **2008**, *693*, 3446-3450.

- 222. Charge separation by ditopic complexation in the solid state: molecular structure of  $\{\text{Ph}_2(\text{I})\text{SnCH}_2\text{Sn}(\text{Ph})(\text{I})\text{CH}_2$ -[16]crown-5 $\}$ ·NaF·CH<sub>3</sub>OH**

**Gregor Reeske, Markus Schürmann and Klaus Jurkschat**

*Dalton Trans.*, **2008**, 3398-3400.

- 221. Crystal and Molecular Structure of  $[\text{2,6-(Me}_2\text{NCH}_2)_2\text{C}_6\text{H}_3]_2\text{SnF}_2$ , an Intramolecularly Coordinated Diorganotin Difluoride**

**Adina Rotar, Markus Schürmann, Richard A. Varga, Cristian Silvestru, and Klaus Jurkschat**

*Z. Anorg. Allg. Chem.* **2008**, *634*, 1533.

- 220.  $[\{2,6-(\text{Me}_2\text{NCH}_2)_2\text{C}_6\text{H}_3\}\text{Sn}]_2$ : An Intramolecularly Coordinated Diorganodistannyne**

Roman Jambor, Blanka Kašná, Karl N. Kirschner, Markus Schürmann, and Klaus Jurkschat

*Angew. Chem. Int. Ed.* **2008**, 47, 1650-1653.

- 219.** Solid-State Structure and Behavior in Solution of Hypervalent Organotin(IV) Derivatives Containing 2-(Me<sub>2</sub>NCH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub> Moieties  
Richard a. Varga, Klaus Jurkschat, and Christian Silvestru  
*Eur. J. Inorg. Chem.* **2008**, 708-716.



## 2007

- 218.** Solubilizing Sodium Fluoride in Acetonitrile: Synthesis, Molecular Structure, and Complexation Behavior of Bis(organostannyl)methyl-Substituted Crown Ethers  
Gregor Reeske, Gerrit Bradtmöller, Markus Schürmann, and Klaus Jurkschat  
*Chem. Eur. J.* **2007**, *13*, 10239-10245.
- 217.** Synthesis of *p*-(Di-*tert*-butyl[<sup>18</sup>F]fluorosilyl)benzaldehyde([<sup>18</sup>F]SiFA-A) with High Specific Activity by Isotopic Exchange: A Convenient Labeling Synthon for the <sup>18</sup>F-Labeling of N-amino-oxy Derivatized Peptides  
Esther Schirmacher, Björn Wängler, Marek Cypryk, Gerrit Bradtmöller, Martin Schäfer, Michael Eisenhut, Klaus Jurkschat, Ralf Schirmacher  
*Bioconjugate Chem.* **2007**, *18*, 2085-2089.
- 216.** Ph<sub>(3-*n*)</sub>X<sub>*n*</sub>SnCH<sub>2</sub>-16-crown-5 (X = F, Cl, Br, I, SCN; *n* = 1, 2): Intramolecular O → Sn Coordination versus Ditopic Complexation of Sodium Thiocyanate  
Gregor Reeske, Markus Schürmann, Burkhard Costisella, Klaus Jurkschat  
*Organometallics* **2007**, *26*, 4170-4179.
- 215.** [2,6-(*t*-BuOCH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>Sn(OH)]<sub>2</sub>O: A rare example of a monomeric tetraorganodistannoxane stabilized by intramolecular hydrogen bridges  
Blanka Kašná, Roman Jambor, Markus Schürmann, Klaus Jurkschat  
*J. Organomet. Chem.* **2007**, *692*, 3555-3558.

## 2006

- 214.**  $^{18}\text{F}$ -Markierung von Peptiden mithilfe eines Organosilicium-Fluoridacceptors  
Ralf Schirmmacher, Gerrit Bradtmöller, Esther Schirmmacher, Oliver Thews,  
Julia Tillmanns, Thomas Siessmeier, Hans G. Buchholz, Peter Bartenstein,  
Björn Wängler, Christof M. Niemeyer, Klaus Jurkschat  
*Angew. Chem.* **2006**, *118*, 6193-6107.
- 213.** The First O,C,S-Coordinating Pincer-Type Ligand and Its Application to the  
Synthesis of a Triorganotin Cation Stabilized by Two Different Donor Atoms  
Jan Fischer, Markus Schürmann, Michael Mehring, Uwe Zachwieja, Klaus  
Jurkschat  
*Organometallics* **2006**, *25*, 2886-2893.
- 212.** Understanding ring strain and ring flexibility in six- and eight-membered cyclic  
organometallic group 14 oxides  
Jens Beckmann, Dainis Dakternieks, Allan E.K. Lim, Kieran F. Lim, Klaus  
Jurkschat  
*J. Mol. Struct.: THEOCHEM* **2006**, *761*, 177-193.
- 211.** Hypercoordinated Organotin(IV) Halides Containing 2-( $\text{Me}_2\text{NCH}_2$ ) $\text{C}_6\text{H}_4$   
Groups:  $\{2-(\text{Me}_2\text{NCH}_2)\text{C}_6\text{H}_4\}_2\text{SnX}_2$  ( $\text{X} = \text{F}, \text{Cl}, \text{Br}, \text{I}$ ) and  $\{2-(\text{Me}_2\text{NCH}_2)-$   
 $\text{C}_6\text{H}_4\}_2\text{R}_2\text{SnX}$  ( $\text{R} = \text{Me}, \text{Ph}; \text{X} = \text{F}, \text{Cl}, \text{Br}, \text{I}$ ) and Their Solution Behaviour and  
Solid-State, Hydrogen-Bonding-Based Supramolecular Architecture  
Richard A. Varga, Adina Rotar, Markus Schürmann, Klaus Jurkschat, Cristian  
Silvestru  
*Eur. J. Inorg. Chem.* **2006**, 1475-1486.

- 210.** Novel organotin(IV) compounds derived from bis(organostannyl)methanes: Synthesis and crystal structures of bis[diphenyl(pyridin-2-onato)stannyl]methane and bis[bromophenyl(pyrimidine-2-thionato)stannyl]methane·C<sub>7</sub>H<sub>8</sub>  
Sotiris K. Hadjikakou, Klaus Jurkschat, Markus Schürmann  
*J. Organomet. Chem.* **2006**, 691, 1637-1642.
- 209.** A ferrocenyl-bridged intramolecularly coordinated bis(diorganostannylene): Synthesis, molecular structure and reactivity of [4-*t*-Bu-2,6-{P(O)(O-*i*-Pr)<sub>2</sub>C<sub>6</sub>H<sub>2</sub>Sn}C<sub>5</sub>H<sub>4</sub>]<sub>2</sub>Fe  
Markus Henn, Markus Schürmann, Bernhard Mahieu, Piero Zanella, Arnaldo Cinquantini, Klaus Jurkschat  
*J. Organomet. Chem.* **2006**, 691, 1560-1572.
- 208.** *tert*-Butylfluorodiphenylsilane  
Gerrit Bradtmöller, Klaus Jurkschat, Markus Schürmann  
*Acta Cryst.* **2006**, E62, 1393-1304.
- 207.** Structure-Directing Properties of Lithium Chloride in Supramolecular {4-*t*-Bu-2,6-[P(O)(OEt)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>}SiH<sub>2</sub>Ph·LiCl·2H<sub>2</sub>O. Intermolecular P=O → Li versus Intramolecular P=O → (H)Si Coordination  
Katja Peveling, Kai Dannappel, Markus Schürmann, Burkhard Costisella, Klaus Jurkschat  
*Organometallics* **2006**, 25, 368-374.

## 2005

- 206.** Designing an arsenate-selective sensor based on the bis(dichloroorganostannyl)methane derivative  $[\text{Cl}_2(4\text{-}n\text{-C}_8\text{H}_{17}\text{-C}_6\text{H}_4)\text{Sn}]_2\text{CH}_2$   
Nikos A. Chaniotakis, Klaus Jurkschat, Gregor Reeske, Antonius Volosirakis  
*Anal. Chim. Acta* **2005**, 553, 185-189.
- 205.** The Origin of Ring Strain and Conformational Flexibility in Tri- and Tetrasiloxane Rings and Their Heavier Group 14 Congeners  
Jens Beckmann, Dainis Dakternieks, Allan E.K. Lim, Kieran F. Lim, Klaus Jurkschat  
in: *Organosilicon Chemistry VI, From Molecules to Materials*; Ed.: Norbert Auner und Johann Weis, Wiley-VCH, **2005**, 252-258.
- 204.** **Organotin-Substituted Crown Ethers for Ditopic Complexation of Anions and Cations**  
**Gregor Reeske, Markus Schürmann, Burkhard Costisella, Klaus Jurkschat**  
**Eur. J. Inorg. Chem.** **2005**, 2881-2887.
- 203.** Restricted Rotation about the P-C Bond in the Triorganosilane {4-*t*-Bu-2,6-[P(O)(O-*i*-Pr)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>}SiPh<sub>2</sub>H: Identification of a Novel Rotamer and Its Conversion to the Siliconium Salt {4-*t*-Bu-2,6-[P(O)(O-*i*-Pr)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>}SiPh<sub>2</sub><sup>+</sup>PF<sub>6</sub><sup>-</sup>  
Kai Dannappel, Markus Schürmann, Burkhard Costisella, Klaus Jurkschat  
*Organometallics* **2005**, 24, 1031-1034.

2004

202. Octabutyl-1κ<sup>2</sup>C,2κ<sup>2</sup>C,3κ<sup>2</sup>C,4κ<sup>2</sup>C-di-μ<sub>3</sub>-oxo-1:2:3κ<sup>2</sup>O;2:3:4κ<sup>2</sup>O-di-μ<sub>2</sub>-phenoxy- 1:2κ<sup>2</sup>O;3:4κ<sup>2</sup>O-diphenoxy-1κO,4κO-tetratin(IV)  
Jens Beckmann, Dainis Dakternieks, Andrew Duthie, Klaus Jurkschat, Markus Schürmann  
Acta Cryst. 2004, E60, m1437-m1438.
201. Synthesis and Structure of the First Stannadisiloxanediol: [Me<sub>2</sub>N(CH<sub>2</sub>)<sub>2</sub>]<sub>2</sub>Sn(OSit-Bu<sub>2</sub>OH)<sub>2</sub>. A Potential Precursor for the Preparation of Multi Component Oxides  
Dirk Balkenhol, Jens Beckmann, Klaus Jurkschat, Markus Schürmann  
Z. Anorg. Allg. Chem. 2004, 630, 1875-1878.
200. Assessing weak intramolecular donor-acceptor interactions using <sup>1</sup>H-<sup>117</sup>Sn J- HMQC spectroscopy  
Monique Biesemans, José C. Martins, Klaus Jurkschat, Nicole Pieper, Stefan Seemeyer, Rudolph Willem Magn. Reson. Chem. 2004, 42, 776-780.
199. Synthesis and structures of new oligomethylene-bridged double ladders. How far can the layers be separated?  
Jens Beckmann, Dainis Dakternieks, Andrew Duthie, Fong Sheen Kuan, Klaus Jurkschat, Markus Schürmann, Edward R.T. Tiekink  
New J. Chem. 2004, 28, 1268-1276.
198. Mechanistic Studies on the Cyclization of Organosilicon and Organotin Compounds Containing the O,C,O-Coordinating Pincer-Type Ligand {4-t-Bu- 2,6-[P(O)(OR)<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>2</sub>}<sup>-</sup> (R = i-Pr, Et): Phosphorus (POC)-versus Carbon (POC)-Attack  
Katja Peveling, Markus Henn, Christian Löw, Michael Mehring, Markus Schürmann, Burkhard Costisella, Klaus Jurkschat  
Organometallics 2004, 23, 1501-1508.

197. Synthesis and structure of and DFT-studies on 1,3,5-[P(O)(i-PrO<sub>2</sub>)<sub>3</sub>C<sub>6</sub>H<sub>3</sub> and its CHCl<sub>3</sub> adduct: analysis of the Cl<sub>3</sub>C–H···OP hydrogen bond  
Markus Henn, Klaus Jurkschat, Dirk Mansfeld, Michael Mehring, Markus Schürmann  
J. Mol. Struct. 2004, 697, 213-220.
196. Bis[di-n-alkyl(fluoro)stannyl]methanes, (R<sub>2</sub>FSn)<sub>2</sub>CH<sub>2</sub> (R = n-octyl, n-dodecyl): Stable Fluoride-Selective Carriers  
Nikolas Chaniotakis, Klaus Jurkschat, Dirk Müller, Katerina Perdikaki, Gregor Reeske  
Eur. J. Inorg. Chem. 2004, 2283-2288.

2003

195. Synthesis of a Novel Triphenyltin(IV) Derivative of 2-Mercaptonicotinic Acid with Potent Cytotoxicity in vitro mercaptonicotinic acid  
Marianna N. Xanthopoulou, Sotiris K. Hadjikakou, Nick Hadjiliadis, Markus Schürmann, Klaus Jurkschat, Adonis Michaelides, Stavroula Skoulika, Thomas Bakas, Jayne Binolis, Spyros Karkabounas, Konstantinos Charalabopoulos  
Bioinorg. Chem. Appl., 2003, 1, 227-231.
194. Bis(tetraphenylphosphonium) bis(dichloronitratophenylstannate)methane,  
 $[\text{Ph}_4\text{P}^+]_2[(\text{PhCl}_2(\text{NO}_3)\text{Sn})_2\text{CH}_2]^{2-}$   
Klaus Jurkschat, Gregor Reeske, Markus Schürmann, Edward R.T. Tiekink  
Appl. Organomet. Chem. 2003, 17, 885-886.
193. Tetraphenylphosphonium nitratobis (chlorodiphenylstannate)methane,  
 $[\text{Ph}_4\text{P}^+][\text{Ph}_2\text{ClSn})_2\text{CH}_2\text{CH}_2\cdot\text{NO}_3]^-$   
Klaus Jurkschat, Edward R.T. Tiekink  
Appl. Organometal. Chem. 2003, 17, 819-820.
192. The Isoelectronic Replacement of E = P<sup>+</sup> and Si in the Trinuclear Organotin- Oxo Clusters  $[\text{Ph}_2\text{E}(\text{OSntBu}_2)_2\text{O}\cdot\text{tBu}_2\text{Sn}(\text{OH})_2]$   
Jens Beckmann, Dainis Dakternieks, Andrew Duthie, Klaus Jurkschat, Michael Mehring, Cassandra Mitchell, and Markus Schürmann  
Eur. J. Inorg. Chem. 2003, 4356-4360.
191. Synthesis, Structure, and Reactivity of Novel Intramolecularly Coordinated Organolead(II) Compounds  
Klaus Jurkschat, Katja Peveling, Markus Schürmann  
Eur. J. Inorg. Chem. 2003, 3563-3571.

190. **Synthesis, structural characterization and in vitro cytotoxicity of organotin(IV) derivatives of heterocyclic thioamides, 2-mercaptobenzothiazole, 5-chloro-2-mercaptobenzothiazole, 3-methyl-2-mercaptobenzothiazole and 2-mercaptonicotinic acid**  
Marianna N. Xanthopoulou, Sotiris K. Hadjikakou, Nick Hadjiliadis, Markus Schürmann, Klaus Jurkschat, Adonis Michaelides, Stavroula Skoulika, Thomas Bakas, Jayne Binolis, Spyros Karkabounas, Konstantinos Charalabopoulos  
J. Inorg. Biochem. 2003, 96, 425-434.
189. **Transients from a mixture of  $[(R(O)Sn)_2C(CH_3)_2]_2$  and  $(RCl_2Sn)_2C(CH_3)_2$  [R =  $(SiMe_3)_2CH$ ]: an identification in situ by 1D  $^{119}Sn$  and 2D  $^1H$ - $^{119}Sn$  HMQC NMR spectroscopy and electrospray mass spectrometry**  
M. Biesemans, A. Duthie, K. Jurkschat, I. Verbruggen, R. Willem, B. Zobel  
Appl. Organometal. Chem. 2003, 17, 298-304.
188. **A Spacer-Linked Molecular Diorganotin Oxide**  
D. Dakternieks, B. Zobel, K. Jurkschat, M. Schürmann, E.R.T. Tiekink  
Organometallics 2003, 22, 1343-1345.
187. **Novel 10- and 20-Membered Tin- and Silicon-Containing Rings: Synthesis, Complexation Behavior, and Conversion into a Lewis Acidic Polymer**  
M. Schulte, G. Gabriele, M. Schürmann, K. Jurkschat, A. Duthie, D. Dakternieks  
Organometallics 2003, 22, 328-336.
186. **Synthesis and Molecular Structure of  $[n-Bu_2(F)SnOSn(F)t-Bu_2]_2$  – an Unsymmetrically Substituted Tetraorganodistannoxane**  
J. Beckmann, D. Dakternieks, A. Duthie, K. Jurkschat, M. Schürmann  
Z. Anorg. Allg. Chem. 2003, 629, 99-102.



185. **Triorganotin Fluoride Structures: A Ligand Close-Packing Model with Predominantly Ionic Sn-F Bonds**  
J. Beckmann, D. Horn, K. Jurkschat, F. Rosche, M. Schürmann, U. Zachwieja, D. Dakternieks, A. Duthie, A.E.K. Lim  
Eur. J. Inorg. Chem. 2003, 164-174.

2002

184. Organometallic polymers of germanium, tin and lead  
K. Jurkschat, M. Mehring  
in: The chemistry of organic germanium, tin and lead compounds –Vol. 2,  
Edited by Z. Rappoport, John Wiley & Sons, Ltd. 2002, 1543-1651.
183. Reaction of the Princer-type Ligand {2,6-[P(O)(OEt)<sub>2</sub>]<sub>2</sub>-4-tert-Bu-C<sub>6</sub>H<sub>2</sub>}<sup>-</sup> with  
[Ph<sub>3</sub>C]<sup>+</sup>[PF<sub>6</sub>]<sup>-</sup>. Unprecedented Rearrangement and Carbon-Carbon Bond  
Formation  
M. Henn, K. Jurkschat, R. Ludwig, M. Mehring, K. Peveling, M. Schürmann  
Z. Anorg. Allg. Chem. 2002, 628, 2940-2947.
182. The First [4+2]-Coordinated Tetraorganolead Compound: Synthesis, Structure  
and Conversion into a Triorganolead Cation, a Benzooxaphosphaplumbole,  
and Diorganolead Dihalides  
K. Peveling, M. Schürmann, K. Jurkschat  
Z. Anorg. Allg. Chem. 2002, 628, 2435-2442.
181. Synthesis and Molecular Structure of a Tricyclic Stannasiloxane Containing a  
Novel SiSn<sub>3</sub>O<sub>3</sub>F<sub>2</sub> Structural Motif  
J. Beckmann, K. Jurkschat, M. Schürmann, D. Suter, R. Willem  
Organometallics 2002, 21, 3819-3822.
180. Selective fluoride recognition and potentiometric properties of ion-selective  
electrodes based on bis(halodiphenylstannyl)alkanes  
K. Perdikaki, Ioannis Tsagkatakis, N.A. Chaniotakis, R. Altmann, K. Jurkschat,  
G. Reeske  
Anal. Chim. Acta 2002, 467, 197-204.

- 179.** A Rare Example of an Unsymmetrically Substituted Tetraorganodistannoxane Ladder:  $[\text{cyclo-Hex}_2(\text{OH})\text{SnOSn}(\text{Cl})\text{t-Bu}_2]_2$   
U. Baumeister, D. Dakternieks, K. Jurkschat, M. Schürmann  
*Main Group Met. Chem.* **2002**, 25, 521-522.
- 178.** Crystal Structure of 1,1,2,2,-Tetraphenyl-1,2-Dihydroxydisilane,  $[\text{Ph}_2(\text{OH})\text{Si}]_2$   
D. Balkenhol, J. Beckmann, K. Jurkschat, M. Schürmann  
*Main Group Met. Chem.* **2002**, 25, 519-520.
- 177.** The First Well-Defined Tellurastannoxanes: the X-ray Structure of *trans*- $[(\text{Bu}_3\text{SnO})_2\{\text{CH}_2(\text{Ph}_2\text{SnO})_2\}_2\text{Te}]$   
J. Beckmann, D. Dakternieks, J. O'Connell, K. Jurkschat, M. Schürmann  
*Eur. J. Inorg. Chem.* **2002**, 1484-1487.
- 176.** Solvent-controlled assembling by hydrogen bridges and halogen-halogen interactions of novel organotin oxo clusters  
M. Mehring, G. Gabriele, S. Hadjikakou, M. Schürmann, D. Dakternieks, K. Jurkschat  
*Chem. Commun.* **2002**, 834-835.
- 175.** Unravelling the Hydrolysis Pathway of Diorganotin Dihalides towards Molecular Diorganotin Oxides  
J. Beckmann, D. Dakternieks, A. Duthie, K. Jurkschat, M. Schürmann  
*Main Group Met. Chem.* **2002**, 25, 109-113.
- 174.** Facile Formation of Hypercoordinated Organotin Anions Containing Sulfur and Chlorine  
J. Beckmann, D. Dakternieks, A. Duthie, C. Jones, K. Jurkschat, ERT. Tiekink  
*Main Group Met. Chem.* **2002**, 25, 77-79.
- 173.** Extension Ladders – Synthesis and Characterisation of new Spacer-Bridged Tetraorganodistannoxanes  
D. Dakternieks, A. Duthie, K. Jurkschat, M. Schürmann, ERT. Tiekink  
*Main Group Met. Chem.* **2002**, 25, 73-76.

**172.** Extending Distannoxane Double Ladders Using Rigid Spacers: A Double Ladder with Eight Chiral Tin Atoms—and a Twist!

D. Dakternieks, A. Duthie, B. Zobel, K. Jurkschat, M. Schürmann,  
E.R.T. Tiekink

*Organometallics* **2002**, *21*, 647-652.

**171.** Hydrolysis of Bis((trimethylsilyl)methyl)tin Dihalides.

Crystallographic and Spectroscopic Study of the Hydrolysis Pathway

J. Beckmann, M. Henn, K. Jurkschat, M. Schürmann, D. Dakternieks,  
A. Duthie

*Organometallics* **2002**, *21*, 192-202.

## 2001

- 170.** Trimethylene-Bridged Tetraorganodistannoxanes  
 $\{[\text{Me}_3\text{SiCH}_2(\text{RCOO})\text{Sn}(\text{CH}_2)_3\text{Sn}(\text{OOCR})\text{CH}_2\text{SiMe}_3\text{O}]\}_n$  (R = Ph, 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>):  
Control of Structure by Variation of R\*  
B. Costisella, D. Dakternieks, K. Jurkschat, M. Mehring, I. Paulus,  
M. Schürmann  
*Chemistry of Heterocyclic Compounds* **2001**, 11 (37), 1405-1417.
- 169.** Comparison of the Flexibility of Eight-Membered Tetrasiloxane and  
Stannasiloxane Rings: A Crystallographic and Computational Study  
J. Beckmann, K. Jurkschat, M. Schürmann, D. Dakternieks, A.E.K. Lim,  
K.F. Lim  
*Organometallics* **2001**, 20, 5125-5133.
- 168.** Hypercoordinated organotin compounds containing sulfur and chlorine.  
Molecular structures of  $[(\text{Ph}_3\text{P})_2\text{N}]^+[\text{S}(\text{SnR}_2\text{Cl})_2\text{Cl}]^-$  (R = Me, *t*-Bu)  
J. Beckmann, D. Dakternieks, A. Duthie, C. Jones, K. Jurkschat,  
E.R.T. Tiekink  
*J. Organomet. Chem.* **2001**, 636, 138-143.
- 167.** From Intramolecularly [4 + 1]- and [4 + 2]-Coordinated Tri- and  
Tetraorganosilanes to Hypercoordinated Benzoxasilaphospholes  
K. Peveling, M. Schürmann, R. Ludwig, K. Jurkschat  
*Organometallics* **2001**, 20, 4654-4663.
- 166.** The O,C,O-Coordinating Pincer-Type Ligand  $\{2,6\text{-[P(O)(OEt)}_2\text{]}_2\text{-4-}t\text{-Bu-C}_6\text{H}_2\}$   
in Organotin Chemistry. Halide Exchange, Cyclisation, and Novel Coordination  
Mode  
M. Mehring, I. Vrasidas, D. Horn, M. Schürmann K. Jurkschat  
*Organometallics*, **2001**, 20, 4647-4653.

- 165.** Hexakis(2,4,6-triisopropylphenyl)cyclotristannoxane – a Molecular Diorganotin Oxide with Kinetically Inert Sn-O Bonds  
J. Beckmann, K. Jurkschat, S. Rabe, M. Schürmann  
*Z. Anorg. Allg. Chem.* **2001**, 627, 2413-2419.
- 164.** Phosphate-Binding Characteristics and Selectivity Studies of Bifunctional Organotin Carriers  
I. Tsagatakis, N. Chaniotakis, R. Altmann, K. Jurkschat, R. Willem, J.C. Martins, Y. Qin, E. Bakker  
*Helv. Chim. Acta* **2001**, 84, 1952-1961.
- 163.** The Molecular Structure of 1,2-Bis(Triphenylstannyl)ethane  $[\text{C}_6\text{H}_5)_3\text{SnCH}_2]_2$   
G. Reeske, M. Schürmann, K. Jurkschat  
*Main Group Metal Chem.* **2001**, 24, 389-390.
- 162.** Stannasiloxanes: from rings to polymers  
J. Beckmann, K. Jurkschat  
*Coordination Chemistry Reviews* **2001**, 215, 267-300.
- 161.** Crystal and molecular structure of  $\text{H}_2\text{C}(\text{SnPh}_2\text{OMe})_2 \cdot \text{MeOH}$   
J. Beckmann, K. Jurkschat, M. Schürmann  
*J. Organomet. Chem.* **2001**, 626, 49-52.
- 160.** The Molecular Structure of  $\{2,6[\text{P}(\text{O})(\text{O}-i\text{-Pr})_2]_2-4-t\text{-BuC}_6\text{H}_2\}\text{SiPh}_3$   
K. Peveling, M. Schürmann, K. Jurkschat  
*Main Group Metal Chem.* **2001**, 24, 251-252.
- 159.** New Insights in Asymmetric Tetraorganodistannoxane Ladder Formation. A NMR-Spectroscopic and Crystallographic Study  
J. Beckmann, K. Jurkschat, S. Rabe, M. Schürmann, D. Dakternieks  
*Z. Anorg. Allg. Chem.* **2001**, 627, 458-464.

- 158.** Synthesis, Molecular Structure, and Solution Stereochemistry of Hypercoordinated Bis(3-(dimethylamino)propyl)tin Compounds. Dissociative (Nonregular) and Nondissociative (Regular) Isomerization Pathways  
K. Jurkschat, N. Pieper, S. Seemeyer, M. Schürmann, M. Biesemans, I. Verbruggen, R. Willem  
*Organometallics* **2001**, *20*, 868-880.
- 157.** [*cyclo*-CH<sub>2</sub>{Sn(Cl<sub>2</sub>)CH<sub>2</sub>Si(Me<sub>2</sub>)<sub>2</sub>O}]<sub>2</sub>: Synthesis and Complexation Behaviour of a Novel, Cyclic, Bidentate Lewis Acid and Its Conversion into a Tin-Containing Fluorosilane with Intermolecular Si–F...Sn Bridges  
M. Schulte, M. Schürmann, K. Jurkschat  
*Chem. Eur. J.* **2001**, *7*, 347-355.
- 156.** The First Spacer-Bridged Tetraorganodistannoxanes with a Mixed Double Ladder Structure  
M. Mehring, I. Paulus, B. Zobel, M. Schürmann, K. Jurkschat, A. Duthie, D. Dakternieks  
*Eur. J. Inorg. Chem.* **2001**, 153-160.

## 2000

- 155.** The Crystal Structure of Triphenyl-1-Propynyltin,  $\text{Ph}_3\text{SnCCCH}_3$   
M. Mehring, M. Schürmann, K. Jurkschat  
*Main Group Metal Chem.* **2000**, *23*, 729-730.
- 154.** The Crystal Structure of Bis( $\eta^5$ -Cyclopentadienyl-Tricarbonyltungsten)Tin  
Dichloride,  $[\text{Cp}(\text{CO})_3\text{W}]_2\text{SnCl}_2$   
K. Jurkschat, U. Kaltenbrunner, M. Schürmann  
*Main Group Metal Chem.* **2000**, *23*, 725-726
- 153.** Coadhydrolysis of Organotin Chlorides with Trimethylchlorosilane. Okawara's  
Pioneering Work Revisited and Extended  
J. Beckmann, K. Jurkschat, U. Kaltenbrunner, S. Rabe, M. Schürmann,  
D. Daktenieks, A. Duthie, D. Müller  
*Organometallics* **2000**, *19*, 4887-4898.
- 152.** Novel Heteroleptic Stannylenes with Intramolecular O,C,O-Donor Stabilization  
M. Mehring, C. Löw, M. Schürmann, F. Uhlig, K. Jurkschat, B. Mahieu  
*Organometallics* **2000**, *19*, 4613-4623.
- 151.** Condensation of Diphenylsilane Diol through Organostannoxane Catalysis :  
A Case Study  
J. Beckmann, K. Jurkschat, S. Rabe, M. Schürmann, D. Daktenieks,  
A. Duthie  
*Organometallics* **2000**, *19*, 3272-3279.
- 150.** Cationic Organotin Clusters for Highly Efficient Alcohol Acetylation Catalysts  
S. Durand, K. Sakamoto, T. Fukuyama, A. Orita, J. Otera, A. Duthie,  
D. Daktenieks, M. Schulte, K. Jurkschat  
*Organometallics* **2000**, *19*, 3220-3223.



- 149.** Crystal and molecular structure of di-*tert.*-butylhydridosilanol  
J. Beckmann, K. Jurkschat, M. Schürmann  
*J. Organomet. Chem.* **2000**, 602, 170-172.
- 148.** On the Hydrolysis of  $t\text{Bu}_2\text{Ge}(\text{OEt})_2$ : Supramolecular Self Assembly in the Solid State of 2  $t\text{Bu}_2\text{Ge}(\text{OH})_2$ ,  $(t\text{Bu}_2\text{GeOH})_2\text{O}$ , and  $\text{H}_2\text{O}$   
J. Beckmann, K. Jurkschat, M. Schürmann  
*Eur. J. Inorg. Chem.* **2000**, 939-941.
- 147.** Crystal structure of bis[potassium 18-crown-6-1,2-bis(dimethylfluorostannyl) benzene fluoride] pentahydrate,  
 $2\{[\text{K}\cdot 18\text{-Crown-6}]^+[\text{O}-\text{C}_6\text{H}_4(\text{SnMe}_2\text{F})_2\cdot\text{F}]\} \cdot 5\text{H}_2\text{O}$   
R. Altmann, K. Jurkschat, M. Schürmann  
*Z. Kristallogr. NCS*, **2000**, 215, 309-311.
- 146.** The Influence of Intramolecular Coordination and Ring Strain on the Polymerization Potential of Cyclic Stannasiloxanes  
J. Beckmann, K. Jurkschat, N. Pieper, S. Rabe, M. Schürmann, D. Schollmeyer  
in: *Organosilicon Chemistry IV, From Molecules to Materials*; Ed.: Norbert Auner und Johann Weis, Wiley-VCH, **2000**, 413-420.
- 145.** Control of Distannoxane Structure by Silicon-Containing Spacers  
K. Jurkschat, M. Schürmann, M. Schulte  
in: *Organosilicon Chemistry IV, From Molecules to Materials*; Ed.: Norbert Auner und Johann Weis, Wiley-VCH, **2000**, 409-412.
- 144.** Structure and Reactivity of Novel Stannasiloxane Complexes  
J. Beckmann, K. Jurkschat, M. Schürmann  
in: *Organosilicon Chemistry IV, From Molecules to Materials*; Ed.: Norbert Auner und Johann Weis, Wiley-VCH, **2000**, 404-408.

- 143.** Silicon-Containing Spacers for the Synthesis of Tin-Containing Multidentate Lewis Acids  
R. Altmann, O. Gausset, R. Hummeltenberg, K. Jurkschat, S. Kühn, M. Schürmann, B. Zobel  
in: *Organosilicon Chemistry IV, From Molecules to Materials*; Ed.: Norbert Auner und Johann Weis, Wiley-VCH, **2000**, 394-398.
- 142.** Novel Silicon- and Tin-Containing Ferrocenophanes and Related Compounds as Lewis Acids  
R. Altmann, O. Gausset, D. Horn, K. Jurkschat, M. Schürmann, M. Fontani, P. Zanello  
*Organometallics* **2000**, *19*, 430-443.

## 1999

- 141.** Intramolecular Mobility in Novel Stannasiloxane Complexes  
J. Beckmann, K. Jurkschat, S. Rabe, M. Schürmann  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 357-365.
- 140.** Synthesis of New Multidentate Silicon and Tin Containing Lewis Acids and their Potential for Anion Complexation  
S. Kühn, R. Hummeltenberg, M. Schürmann, K. Jurkschat  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 333-338.
- 139.** Syntheses and Structures of Novel Molecular Organotin Chalcogenides  
B. Zobel, M. Schürmann, R. Ludwig, K. Jurkschat, D. Dakternieks, A. Duthie  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 325-332.
- 138.** Hypercoordination in Organotin Chemistry – A Novel O,C,O-Coordinating Ligand  
M. Mehring, C. Löw, I. Vrasidas, M. Schürmann, K. Jurkschat  
*Phosphorus, Sulfur and Silicon* 1999, 150-151, 311-318.
- 137.** Syntheses, Dynamic Stereochemistry, and Unusual Reactivity of Intramolecularly Coordinated Organotin Fluorides  
N. Pieper, R. Ludwig, M. Schürmann, K. Jurkschat, M. Biesemans, I. Verbruggen, R. Willem  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 305-310.
- 136.** Ferrocene and Silicon Containing Organotin(IV) Halides as Lewis Acidic Hosts for Anions  
R. Altmann, M. Fontani, O. Gausset, K. Jurkschat, M. Schürmann, P. Zanella  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 299-304.

- 135.** Stannasiloxanes, Syntheses, Structures, and Surprises  
K. Jurkschat  
*Phosphorus, Sulfur and Silicon* **1999**, 150-151, 211-220.
- 134.** Recent Developments in the Chemistry of Spacer Bridged Distannoxanes  
M. Schulte, M. Mehring, I. Paulus, M. Schürmann, K. Jurkschat, D. Dakternieks, A. Duthie, A. Orita, J. Otera  
*Phosphorus, Sulfur and Silicon*, **1999**, 150-151, 201-210.
- 133.** Crystal structure of chloro[4-(1-chloro-1,1-diphenylstannyl)-butyl]diphenylstannane,  $\text{Ph}_2\text{ClSn}(\text{CH}_2)_4\text{SnPh}_2\text{Cl}$   
D. Dakternieks, A.E.K. Lim, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristallogr. NCS* **1999**, 214, 515-516.
- 132.** Crystal structure of *tert*-butyl- $1\kappa\text{C}$ -2( $\eta^5$ -cyclopentadienyl)dichloro- $1\kappa^2\text{Cl}$ -tricarbonyl- $2\kappa^3\text{C}$ -tungsten (*Sn*—*W*), *tert*-Bu[Cp(CO)<sub>3</sub>W]SnCl<sub>2</sub>  
K. Jurkschat, U. Kaltenbrunner, M. Schürmann  
*Z. Kristallogr. NCS* **1999**, 214, 473-474.
- 131.** Crystal structure of 1,4-bis(triphenylstannyl)-2-butyne,  
 $\text{Ph}_3\text{SnCH}_2\text{C}\equiv\text{CCH}_2\text{SnPh}_3$   
K. Jurkschat, M. Schürmann, M. Schulte  
*Z. Kristallogr. NCS* **1999**, 214, 471-472.
- 130.** Tetraorganodistannoxanes: formation of a novel *cis*-ladder  
M. Schulte, M. Schürmann, D. Dakternieks, K. Jurkschat  
*Chem. Commun.* **1999**, 1291-1292.
- 129.** The first organoelement oxides containing three different metals; synthesis and structure of  $(\text{Ph}_2\text{SiOR}_2\text{SnOMO})$  [ $\text{R} = (\text{CH}_2)_3\text{NM}_2$ ;  $\text{M} = \text{Bu}^t_2\text{Ge}$ , PhB]  
J. Beckmann, K. Jurkschat, N. Pieper, M. Schürmann  
*Chem. Commun.* **1999**, 1095-1096.

- 128.** 1,1,3,3,5,5,7,7-Octaphenyl-1,3,5,7-tetrasiloxane-1,7-diol and its Organotin Derivatives. Model Compounds for Diphenylsiloxane Polymer  
J. Beckmann, K. Jurkschat, D. Müller, S. Rabe, M. Schürmann  
*Organometallics* **1999**, *18*, 2326-2330.
- 127.** Tributyl- and Triphenyltin Benzoates, Phenylacetates, and Cinnamates as Anion Carriers: an Electrochemical Assessment Coupled to Structural NMR Studies and AM1 Calculations  
J.K. Tsagatakis, N.A. Chaniotakis, K. Jurkschat, S. Damoun, P. Geerlings, A. Bouhdid, M. Gielen, I. Verbruggen, M. Biesemans, J.C. Martins, R. Willem  
*Helv. Chim. Acta* **1999**, *82*, 531.
- 126.** Strained Metallastannoxanes - Ring Opening Polymerization versus Six-Membered-Ring Structure  
J. Beckmann, K. Jurkschat, U. Kaltenbrunner, N. Pieper, M. Schürmann  
*Organometallics* **1999**, *18*, 1586-1595.
- 125.** Intramolecular Donor-Assisted Cyclization of Organotin Compounds  
M. Mehring, C. Löw, M. Schürmann, K. Jurkschat  
*Eur. J. Inorg. Chem.* **1999**, 887-898.
- 124.** Synthesis and Structure 3,5-Bis[(2-dimethylamino)-phenyl]-2,2,4,4,6,6-hexamethyl-2,4,6-trisilaheptane and 3,6-Bis[(dimethylamino)-phenyl]-2,2,4,4,5,5,7,7-octamethyl-2,4,5,7-tetrasilaoctane  
M. Mehring, K. Jurkschat, M. Schürmann  
*Main Group Metal Chem.* **1999**, *22*, 15-18.
- 123.** Spacer-bridged ladder compounds - syntheses, structures and synthetic applications  
M. Mehring, M. Schürmann, I. Paulus, D. Horn, K. Jurkschat, A. Orita, J. Otera, D. Dakternieks, A. Duthie  
*J. Organomet. Chem.* **1999**, *574*, 176-192.

## 1998

- 122.** *o*-Bis(haloorganostannyl)benzenes as Powerful Bidentate Lewis Acids toward Halide Iones  
R. Altmann, K. Jurkschat, M. Schürmann, D. Dakternieks, A. Duthie  
*Organometallics* **1998**, *17*, 5858-5866.
- 121.** Reaction of  $(t\text{-Bu}_2\text{SnO})_3$  with Organohalosilanes. Simple Formation of Open-Chain and Cyclic Stannasiloxanes  
J. Beckmann, B. Mahieu, W. Nigge, D. Schollmeyer, M. Schürmann, K. Jurkschat  
*Organometallics* **1998**, *17*, 5697-5712.
- 120.** Bis-(*p*-bromophenyl)dimethylsilane as synthon for the synthesis of the first silicon and tin containing paracyclophane  
B. Zobel, K. Jurkschat  
*Main Group Metal Chem.* **1998**, *21*, 765-767.
- 119.** 1,1,3,3,14,14,16,16,18,18,29,29-Dodecamethyl-3,14,18,29-tetrasil-1,16-distanna[5,5]ferrocenophane  
O. Gausset, G. Delpon-Lacaze, M. Schürmann, K. Jurkschat  
*Acta Cryst.* **1998**, *C54*, 1425-1427.
- 118.** Novel Molecular Organotin Oxides Derived from Alkylidene Bridged Ditin Precursors: Syntheses and Structures  
B. Zobel, M. Schürmann, K. Jurkschat, D. Dakternieks, A. Duthie  
*Organometallics* **1998**, *17*, 4096-4104.
- 117.** Reactions of  $[t\text{-Bu}_2\text{SnO}]_3$  with  $[t\text{-BuX}_2\text{Si}]_2$  (X = F, Cl). Syntheses and Structures of Novel Stannasiloxanes and of  $[(t\text{-Bu}_2\text{FSn})_2\text{O}]_2$ , the First Fluorine-Containing Tetraorganodistannoxane  
J. Beckmann, M. Biesemans, K. Hassler, K. Jurkschat, J.C. Martins, M. Schürmann, R. Willem  
*Inorg. Chem.* **1998**, *37*, 4891-4897.

- 116.** A [4+2]-coordinated tetraorganosilicon compound - synthesis and structure  
M. Mehring, K. Jurkschat, M. Schürmann  
*Main Group Metal Chem.* **1998**, *21*, 635-641.
- 115.** 6,6-Bis[3-(dimethylamino)-1,1-dimethylpropyl]-2,2,4,4-tetramethyl-1,3,5-trioxa-  
2,4-disila-6-stannacyclohexane  
N. Pieper, M. Schürmann, K. Jurkschat  
*Acta Cryst.* **1998**, *C54*, 1097-1099.
- 114.** Nucleophilic attack within Ge, Sn and Pb complexes containing  $\text{Me}_2\text{N}(\text{CH}_2)_3$  -  
as a potential intramolecular donor ligand  
A. Zickgraf, M. Beuter, U. Kolb, M. Dräger, R. Tozer, D. Dakternieks,  
K. Jurkschat  
*Inorg. Chim. Acta* **1998**, *275-276*, 203.
- 113.** Crystal structure of triphenyl[(1,1,1-triphenylstannyl)methyl]stannane,  
[ $\text{Ph}_3\text{SnCH}_2\text{SnPh}_3$ ]  
D. Dakternieks, R. Altmann, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristallogr. NCS* **1998**, *213*, 525-527.
- 112.** Crystal structure of ({1,1-diphenyl-1-[(1,1,1-triphenylstannyl)methyl]-  
stannyl}methyl)triphenylstannane, [ $\text{Ph}_3\text{SnCH}_2(\text{Ph}_2\text{Sn})\text{CH}_2\text{CH}_2\text{SnPh}_3$ ]  
D. Dakternieks, R. Altmann, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristallogr. NCS* **1998**, *213*, 523-524.
- 111.** Crystal structure of bromo[2-(1-bromo-1,1-diphenylstannyl)ethyl]diphenyl-  
stannane, [ $\text{Ph}_2\text{Sn}(\text{Br})\text{CH}_2\text{Sn}(\text{Br})\text{Ph}_2$ ]  
D. Dakternieks, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristallogr. NCS* **1998**, *213*, 521-522.

## 1997

- 110.** On the Reaction of  $(t\text{Bu}_2\text{SnO})_3$  with Organochlorosilanes. Simple Formation of  $[(t\text{Bu}_2\text{SnO})_2(t\text{Bu}_2\text{SiO})]$   
J. Beckmann, K. Jurkschat, D. Schollmeyer  
*Organosilicon Chemistry III*, Ed. N. Auner and J. Weis, Wiley-VCH, **1997**.
- 109.** A Convenient One-Pot Synthesis of Stannylsilanes  
R. Hummeltenberg, K. Jurkschat, F. Uhlig  
*Phosphorus, Sulfur and Silicon* **1997**, *123*, 255-261.
- 108.** The First Rigid O,C,O-Pincer Ligand and its Application for the Synthesis of Penta- and Hexacoordinate Organotin(IV) Compounds  
M. Mehring, M. Schürmann, K. Jurkschat  
*Organometallics*, **1998**, *17*, 1227-1236.
- 107.** On the Reaction of Diorganodihydroxysilanes with  $(t\text{-Bu}_2\text{SnO})_3$ , Synthesis and Characterisation of a Novel Stannasiloxane Complex and its Dissociation in Solution  
J. Beckmann, K. Jurkschat, B. Mahieu, M. Schürmann  
*Main Group Metal Chem.* **1998**, *21*, 113-122.
- 106.** Organometallic Complexing Agents as Carriers in Polymer-Based Electrodes  
N.A. Chaniotakis, J.K. Tsagatakis, K. Jurkschat, R. Willem  
*Reactive & Functional Polymers*, **1997**, *34*, 183-188.
- 105.** Methylene-Bridged Tri- and Tetraorganotin Compounds as Lewis Acids  
R. Altmann, K. Jurkschat, M. Schürmann, D. Dakternieks, A. Duthie  
*Organometallics* **1997**, *16*, 5716-5723.
- 104.** On the reaction of  $[\text{Ph}_2(\text{OH})\text{Si}]_2\text{O}$  with  $t\text{-Bu}_2\text{SnCl}_2$ : synthesis and characterization of the first well defined polystannasiloxane  $[(t\text{-Bu}_2\text{SnO})(\text{Ph}_2\text{SiO}_2)]_n$   
J. Beckmann, K. Jurkschat, D. Schollmeyer, M. Schürmann  
*J. Organomet. Chem.* **1997**, *543*, 229-232.



- 103.** Chemical Sensors for Anions based on Sn(IV) Lewis Acidic Carriers  
J.K. Tsagatakis, N.A. Chaniotakis, K. Jurkschat  
*Quimica Analitica* **1997**, *16*, 105-109.
- 102.** Novel Coordination Isomerization in Organotin(IV) Compounds. Synthesis, Molecular Structures, and NMR Studies of LSnPhX<sub>2</sub> (X = Ph, Cl, Br, I, SPh), LCH<sub>2</sub>SnPhX<sub>2</sub> (2-MeO-3-<sup>t</sup>Bu-5-Me-C<sub>6</sub>H<sub>2</sub>)<sub>2</sub>CH<sub>2</sub>  
D. Dakternieks, K. Jurkschat, R. Tozer, J. Hook, E.R.T. Tiekink  
*Organometallics* **1997**, *16*, 3696-3706.
- 101.** Molecular Dynamics within Diorganotin Systems: Solution and Solid State Studies of New Mixed Distannoxane Dimers [tBu<sub>2</sub>(Cl)SnOSn(Cl)R<sub>2</sub>]<sub>2</sub>  
D. Dakternieks, K. Jurkschat, S. van Dreumel, E.R.T. Tiekink  
*Inorg. Chem.* **1997**, *36*, 2023-2029.
- 100.** Trimethylene-Bridged Tri- and Tetraorganotin Compounds as Building Blocks for Unusual Double and Triple Ladders  
M. Mehring, M. Schürmann, H. Reuter, D. Dakternieks, K. Jurkschat  
*Angew. Chem.* **1997**, *36*, 1112-1114.
- 99.** Synthesis, Molecular Structure, and Stereochemical Nonrigidity of Bis(3-(dimethylamino)propyl)difluorostannane Dihydrate, {[Me<sub>2</sub>N(CH<sub>2</sub>)<sub>3</sub>]<sub>2</sub>SnF<sub>2</sub>·2H<sub>2</sub>O}, and Enhanced Reactivity of Its Fluoride Adduct {[Me<sub>2</sub>N(CH<sub>2</sub>)<sub>3</sub>]<sub>2</sub>SnF<sub>3</sub>}·Bu<sub>4</sub>N<sup>+</sup> toward Dichloromethane  
N. Pieper, C. Klaus-Mrestani, M. Schürmann, K. Jurkschat, M. Biesemans, I. Verbruggen, J.C. Martins, R. Willem  
*Organometallics* **1997**, *16*, 1043-1052.

## 1996

98. Crystal structure of 1-methyl-5-methyl-5-(*O-tert*-butylphosphonic acid)-1-aza-5-stannabicyclo[3.3.0<sup>1,5</sup>]octane, (C<sub>8</sub>H<sub>17</sub>N)SnOPO<sub>2</sub>C(CH<sub>3</sub>)<sub>3</sub>  
D. Dakternieks, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristall.* **1996**, 211, 755-756.
97. Crystal structure of di( $\mu$ -sulfido)-bis(3-dimethylamino-1,1-dimethylpropyl phenyltin), {[CH<sub>3</sub>]<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>]Sn(C<sub>6</sub>H<sub>5</sub>)S}<sub>2</sub>  
D. Dakternieks, R. Tozer, K. Jurkschat, E.R.T. Tiekink  
*Z. Kristall.* **1996**, 211, 857-858.
96. Crystal structure of tetraethylammonium bis(2,2-dimethylchlorostannyl)-propane fluoride, C<sub>15</sub>H<sub>38</sub>Cl<sub>2</sub>FNSn<sub>2</sub>  
D. Dakternieks, K. Jurkschat, B. Zobel, E.R.T. Tiekink  
*Z. Kristall.* **1996**, 211, 757.
95. Unexpected formation and molecular structure of 2,2,6,6-tetra-*t*-butyl-4,8-dimethyl-1,5,9-trioxa-4,8-disila-2,6-distannabicyclo[3.3.1]nonane  
K. Jurkschat, F. Rosche, M. Schürmann  
*Phosphorus, Sulfur, and Silicon* **1996**, 115, 161-167.
94. 2,8-Dithia-1-phospha-5-arsabicyclo[3.3.0]-octane 1-Oxide  
K. Jurkschat, D. Schollmeyer  
*Acta Cryst.* **1996**, C52, 250.

## 1995

- 93.** Synthesis and Structural Studies of 2-Stannyl Substituted Ferrocenyl-methylamine and -phosphine Derivatives  $2\text{-Me}_2(\text{X})\text{SnFcCH}_2\text{Y}$  (X = Me, Cl; Y = NMe<sub>2</sub>, P(O)Ph<sub>2</sub> Fc = C<sub>10</sub>H<sub>8</sub>Fe)  
S. Hoppe, H. Weichmann, K. Jurkschat, C. Schneider-Koglin, M. Dräger  
*J. Organomet. Chem.* **1995**, 505, 63.
- 92.** Unusual Hexacoordination in a Triorganotin Fluoride Supported by Intermolecular Hydrogen Bonds. Crystal and Molecular Structures of 1-Aza-5-stanna-5-halogenotricyclo[3.3.3.0<sup>1,5</sup>] undecanes (N(CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>SnF·H<sub>2</sub>O and N(CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>SnX (X = Cl, Br, I)  
U. Kolb, M. Dräger, M. Dargatz, K. Jurkschat  
*Organometallics* **1995**, 14, 2827.
- 91.** Bis(halodiphenylstannyl)alkanes as Bidentate Lewis Acids Toward Halide Ions  
D. Dakternieks, K. Jurkschat, H. Zhu, E.R.T. Tiekink  
*Organometallics* **1995**, 14, 2512.
- 90.** Synthesis, NMR studies and molecular structures of [(PhSSn)<sub>2</sub>(CH<sub>2</sub>)<sub>3</sub>]<sub>2</sub> and [PhSn(S<sub>2</sub>CNEt<sub>2</sub>)]<sub>2</sub>(S)(CH<sub>2</sub>)<sub>3</sub>  
D. Dakternieks, K. Jurkschat, D. Schollmeyer, H. Wu  
*J. Organomet. Chem.* **1995**, K, 145.

## 1994

89. Synthesis and Structure of the First Alkyl-Bridged Double Ladder:  
 $\{[R(Cl)Sn(CH_2)_3Sn(Cl)R]O\}_4$  (R = Me<sub>3</sub>SiCH<sub>2</sub>)  
D. Dakternieks, K. Jurkschat, D. Schollmeyer, H. Wu  
*Organometallics* **1994**, 13, 4121.
88. Crystal and Molecular Structures of Diisopropyltin dichloride and Di-tert-butyltin dichloride  
D. Dakternieks, K. Jurkschat, E.R.T. Tiekink  
*Main Group Met. Chem.* **1994**, 17, 471.
87. Structural Chemistry of Organotin Carboxylates. XXI. Crystal Structure of Di-tert-Butyltin Bis(Picolinate)  
K. Jurkschat, E.R.T. Tiekink  
*Main Group Met. Chem.* **1994**, 17, 659.
86. Multiorganotin Compounds. Designing a Novel Phosphate-Selective Carrier  
J.K. Tsagatakis, N.A. Chaniotakis, K. Jurkschat  
*Helv. Chim. Acta* **1994**, 77, 2191.
85. A Novel 2:3 Condensation Complex of Salicylaldehyde and Di-*n*-butyltin(IV) Oxide  
F. Kayser, M. Biesemans, M. Bouâlam, E.R.T. Tiekink, A. El Khoulfi, J. Meunier-Piret, A. Bouhdid, K. Jurkschat, M. Gielen, R. Willem  
*Organometallics* **1994**, 13, 1098.
84. Crystal structure of di(2-methoxy-3-*t*-butyl-5-methyl phenyl)methyl methyl ether, (H<sub>3</sub>COCH<sub>2</sub>C<sub>4</sub>H<sub>9</sub>C<sub>6</sub>H<sub>2</sub>)<sub>2</sub>HCOCH<sub>3</sub>  
D. Dakternieks, K. Jurkschat, R. Tozer  
*Z. Kristall.* **1994**, 209, 693.

- 83.** Crystal Structure of 1,1,2,2,-tetrakis(2-methoxy-5-methyl-3-*t*-butyl phenyl)ethane, C<sub>50</sub>H<sub>70</sub>O<sub>4</sub>  
D. Dakternieks, K. Jurkschat, R. Tozer, E.R.T. Tiekink  
*Z. Kristall.* **1994**, 209, 550.

## 1993

- 82.** Potentiometric Phosphate Selective Electrode based on a multidentate-tin(IV) carrier  
N.A. Chaniotakis, K. Jurkschat, A. Rühlemann  
*Anal. Chim. Acta* **1993**, 282, 345.
- 81.** Utilization of hypervalently activated organotin compounds in synthesis. Preparation and reactions of Me<sub>2</sub>N(CH<sub>2</sub>)<sub>3</sub>SnPh<sub>3</sub>  
D. Dakternieks, G. Dyson, K. Jurkschat, R. Tozer, E.R.T. Tiekink,  
*J. Organomet. Chem.* **1993**, 458, 29.
- 80.** Synthesis, Structure, and Exchange Reactions of New Stannaadamantanes Containing Chalcogenides  
D. Dakternieks, K. Jurkschat, H. Wu, E.R.T. Tiekink  
*Organometallics* **1993**, 12, 2788.

## 1992

- 79.** Ring Size Control in Organotin Chalcogenides by Intramolecular Sn-N Coordination  
K. Jurkschat, S.van Dreumel, G. Dyson, D. Dakternieks, T.J. Bastow, M.E. Smith, M. Dräger,  
*Polyhedron* **1992**, 11, 2747.

- 78.** Molecular Structure of  $[(C_5H_5FeC_5H_3-2-CH_2NMe_2)_2Sn(OH)_2]_2 \cdot 2CHCl_3$ :  
Intermolecular Sn-O Interaction versus Intramolecular Sn-N Coordination  
K. Jurkschat, C. Krüger, J. Meunier-Piret  
*Main Group Met. Chem.* **1992**, 15, 61.
- 77.** Darstellung und Struktur von  $(EtO)_2P(O)CH_2Si(Me)_2CH_2SnMe_2Cl$ -  
ein Sechsringchelate mit Sesselkonformation und  $P=O \cdots Sn(Cl)Me_2CH_2$  -  
trigonaler Bipyramide am Lewis-aciden Zinn  
U. Kolb, M. Dräger, E. Fischer, K. Jurkschat  
*J. Organomet. Chem.* **1992**, 423, 339.

## 1991

- 76.** Structure of 2,2-Bis[3-(dimethylamino)propyl]-1,1,1,3,3,3-hexaphenyltri-  
stannane( $2Sn-Sn$ )  
D. Schollmeyer, H. Hartung, C. Mrestani-Klaus, K. Jurkschat  
*Acta Cryst.* **1991**, C 47, 2365.
- 75.** Tin-organic liquid-crystalline polyesters  
J. Lindau, H. Fischer, U. Rötz, K. Jurkschat, F. Kuschel,  
*Makromol. Chem., Rapid Commun.*, **1991**, 12, 477.
- 74.** Synthesis and Structure of 1-Methyl-5-t-butyl-1-aza-5-phosphacyclooctane  
and its Phosphine sulfide  
D. Wilbrandt, K. Jurkschat, J. Meunier-Piret  
*Phosphorus, Sulfur and Silicon and the Related Elements* **1991**, 61, 261.
- 73.** Crystal and Molecular Structure of Bis(3-dimethylamino-1,1-dimethylpropyl)di-  
chlorostannane  
D. Schollmeyer, H. Hartung, C. Klaus, K. Jurkschat  
*Main Group Met. Chem.* **1991**, 14, 27.

72. Dimeres und trimeres {1-Methyl-1-aza-5-stannabicyclo[3.3.0<sup>1,5</sup>]-octan} sulfid [MeN(CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>SnS]<sub>n</sub>, Röntgenstrukturanalyse des Dimeren und Gleichgewicht Dimer-Trimer gemäss <sup>119</sup>Sn-NMR und FD-Massenspektrometrie.  
B.M. Schmidt, M. Dräger, K. Jurkschat  
*J. Organomet. Chem.* **1991**, 410, 43.
71. Mössbauer Spectroscopic Investigations of Organotin Compounds with Intra and Intermolecular Coordination  
K. Jurkschat, A. Tzschach, H. Weichmann, L. Korecz, K. Burger  
*Inorg. Chim. Acta* **1991**, 179, 83.

## 1990

70. 1,2-Bis(Organostannyl)ethanes as powerful bidentate Lewis acids  
Crystal structures of (Ph<sub>2</sub>ClSnCH<sub>2</sub>)<sub>2</sub>·(Me<sub>2</sub>N)<sub>2</sub>PO and [Ph<sub>3</sub>P=N=PPh<sub>3</sub>][Ph<sub>2</sub>ClSnCH<sub>2</sub>)<sub>2</sub>·Cl]  
K. Jurkschat, F. Hesselbarth, M. Dargatz, J. Lehmann, E. Kleinpeter, A. Tzschach  
*J. Organomet. Chem.* **1990**, 388, 259.
69. Synthese und Transporteigenschaften von 1,1,6,6,11,11-Hexamethyl-1,6,11-tristannacyclopentadecan  
K. Jurkschat, A. Rühlemann, A. Tzschach  
*J. Organomet. Chem.* **1990**, 381, C53.

## 1989

68. Synthese und Molekülstruktur des cis-2,6-Di-t-butyl-dibenzo[d,g][1,3,2,6]dioxadiphosphocin-2,6-disulfids  
E. Nietzschmann, K. Jurkschat, U. Baumeister, M. Dargatz, H. Hartung,

A. Tzschach

*Z. Anorg. Allg. Chem.* **1989**, 578, 99.

- 67.** Synthese und Struktur von {[bis-(dibenzyl-methylphosphin)]-[bis-(diethylsulfid)]-platin(II)-chlorid}  
H.-P. Abicht, K. Jurkschat, K. Peters, E.-M. Peters, H.G. von Schnering  
*J. Organomet. Chem.* **1989**, 364, 415.
- 66.** Reaction of 3-Dimethylamino-(1,1-dimethyl)-propyl magnesium chloride with tin(IV) and tin(II) chlorides: Stabilization of a  $\text{SnCl}^+$  cation in the new tin cluster  $[\text{Me}_2\text{NCH}_2\text{CH}_2\text{C}(\text{Me}_2)\text{SnCl}]_3\text{SnCl}_2$   
K. Jurkschat, C. Klaus, M. Dargatz, A. Tzschach, J. Meunier-Piret, B. Mahieu  
*Z. Anorg. Allg. Chem.* **1989**, 577, 122.
- 65.** 1,5,9-Tristannacyclododecanes as Lewis acids. Novel structure of a chloride complex  
K. Jurkschat, H.G. Kuivila, S. Liu, J.A. Zubieta  
*Organometallics* **1989**, 8, 2755.
- ## 1988
- 64.** Electronic Stabilized Four-Membered Tin Cycles. Molecular Structure of Bis- $\square$ -sulfido-bis{1,4-diethyl-1,4-diaza-8-stannatricyclo[3.2.3.<sup>1,80</sup>4,8]undecane}  
D. Schollmeyer, J. Kalbitz, H. Hartung, A. Tzschach, K. Jurkschat  
*Bull. Soc. Chim. Belg.* **1988**, 97, 1075.
- 63.** NMR-Untersuchungen an Dibenzylorganophosphinen und einigen Derivaten  
H.-P. Abicht, K. Jurkschat  
*Z. Chem.* **1988**, 28, 371.
- 62.** Zur Umsetzung von Bis[o-diphenylphosphinomethyl]phenyl]-quecksilber(II) mit Zinn(II)-chlorid



H.-P. Abicht, K. Jurkschat  
*Z. Chem.* **1988**, 28, 222.

- 61.** Crystal structure of pentacarbonyl-5-phenyl-5-phospha-2,8-dithia-1-stannabicyclo[3.3.0<sup>1.5</sup>]octanechromium (0) pyridine  
K. Jurkschat, A. Tzschach, J. Meunier-Piret, M. van Meerssche  
*J. Organomet. Chem.* **1988**, 349, 143.
- 60.** Zur Synthese und Struktur neuer penta-und hexakoordinierter Organozinnverbindungen  
K. Jurkschat, J. Kalbitz, M. Dargatz, E. Kleinpeter, A. Tzschach  
*J. Organomet. Chem.* **1988**, 347, 41.
- 59.** Zur Struktur und Reaktivität von stannylierten Propylaminen und -sulfiden. Kristall- und Molekülstruktur von Bis(3-di-methylchlorostannylpropyl)sulfid  $S(CH_2CH_2CH_2SnMe_2Cl)_2$   
K. Jurkschat, B. Schmid, M. Dybiona, U. Baumeister, H. Hartung, A. Tzschach  
*Z. anorg. allg. Chem.* **1988**, 560, 110.
- 58.** NMR Investigations on Stannabicycloundecanes of the Type  $RSn(CH_2CH_2CH_2)_3N$   
C. Mügge, H. Pepermans, M. Gielen, R. Willem, A. Tzschach, K. Jurkschat,  
*Z. Anorg. Allg. Chem.* **1988**, 567, 122.
- 57.** In situ nucleophilic activation in the propellane 5-chloro-1-aza-5-silatri-cyclo[3.3.0<sup>1.5</sup>]undecane and its hydrolysis in solution  
K. Jurkschat, A. Tzschach, M. Dargatz, H. Pepermans, M. Gielen, R. Willem  
*Recl. Trav. Chim. Pays-Bas* **1988**, 107, 170.
- 56.** Moleculare Structure of and Restricted Internal Rotation about the Tin-Tin Bond in  $[ClSn(CH_2CH_2CH_2)_2NCH_3]_2$  Two Compounds with Five-Coordinate Tin Centers Bound to Each Other  
K. Jurkschat, A. Tzschach, C. Mügge, J. Meunier-Piret, M. van Meerssche, G. van Binst, C. Wynants, M. Gielen, R. Willem

*Organometallics*. **1988**, 7, 593.

- 55.** Zur Umsetzung von Bis(2-mercaptoethyl)phosphinen mit Organozinn-Verbindungen-Molekülstruktur eines zinnhaltigen Sechzehnrings  
K. Jurkschat, W. Uhlig, C. Mügge, A. Tzschach, B. Schmidt, M. Dräger  
*Z. Anorg. Allg. Chem.* **1988**, 556, 161.
- 54.** Synthesis, Spectroscopic Investigations and Molecular Structure of 1-Elementa-5-stannabicyclo[3.3.0<sup>1,5</sup>]octanes, RR'Sn(CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>E (E = NMe, O, S, CH<sub>2</sub>)  
K. Jurkschat, J. Schilling, C. Mugge, A. Tzschach, M. Meunier-Piret, M. van Meerssche, M. Gielen, R. Willem  
*Organometallics* **1988**, 7, 38.

## **1987**

- 53.** Diorganotin IV Derivatives of 2,6-Pyridine Dicarboxylic Acid : Synthesis, Characterization, in vitro and in vivo Antitumor Activity  
M. Gielen, E. Joosen, T. Mancilla, K. Jurkschat, R. Willem, C. Roobol, J. Bernheim, G. Atassi, F. Huber, E. Hoffmann, H. Preut, B. Mahieu  
*Main Group Metal Chemistry* **1987**, 3, 147.
- 52.** Synthese und Strukturuntersuchungen von Bis[(o-Dimethyl-amino-bzw. diphenylphosphinomethyl)phenyl]stannylwolfram-pentacarbonylen  
H.-P. Abicht, K. Jurkschat, A. Tzschach, K. Peters, E.-M. Peters, H.G. von Schnering  
*J. Organomet. Chem.* **1987**, 326, 357

## **1986**

- 51.** Crystal and molecular structure of 1-aza-5-stanna-5-methyl-tricyclo[3.3.0<sup>1,5</sup>]-undecane. Evidence for a transannular donor-acceptor interaction in a tetraorganotin compound

- K. Jurkschat, A. Tzschach, J. Meunier-Piret  
*J. Organomet. Chem.* **1986**, 315, 45.
- 50.** 5-Element-Stanna(II)Bicyclooctanes: Electronically Stabilized Stannylenes  
A. Tzschach, K. Jurkschat  
*Silicon, Germanium, Tin and Lead Compounds* **1986**, 9, 263.
- 49.** Zur Umsetzung von o-Brommagnesiumbenzyl-diphenylphosphin mit SnCl<sub>2</sub>-  
Isolierung einer Spezies mit direkter Sn(II)-Sn(IV)-Bindung  
K. Jurkschat, H.-P. Abicht, A. Tzschach, B. Mahieu  
*J. Organomet. Chem.* **1986**, 309, C47.
- 48.** Synthese und spektroskopische Untersuchungen von Di-t-butylzinn(IV)dicarb-  
oxylaten  
S. Dietzel, K. Jurkschat, A. Tzschach, A. Zschunke  
*Z. Anorg. Allg. Chem.* **1986**, 537, 163.
- 47.** Synthesis, crystal and molecular structure of O[Si(CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N]<sub>2</sub>, an  
oxygen bridged bis(tricarbasilatrane)  
K. Jurkschat, A. Tzschach, J. Meunier-Piret, M. van Meerssche  
*J. Organomet. Chem.* **1986**, 317, 145.
- 46.** Zur Synthese und Struktur von Pentacarbonylmethyl(0)-Komplexen intra-  
molekular basenstabilisierter Zinn(II)-Verbindungen  
A. Zschunke, M. Scheer, M. Voltzke, K. Jurkschat, A. Tzschach  
*J. Organomet. Chem.* **1986**, 308, 325.
- 45.** Pentacoordinated tetraorganotin and silicon compounds - synthesis and  
structures  
A. Tzschach, K. Jurkschat  
*Pure & Appl. Chem.* **1986**, 58, 639.

- 44.** Eight-membered heterocycles containing two phosphorus atoms, X-ray diffraction and nuclear magnetic resonance studies of 2,6-dimethyl-1,3-dioxa-2,6-diphosphacyclooctan-2,6-disulphides and 2,6-diselenides  
C. Piccinni-Leopardi, J. Reisse, G. Germain, J.P. Declercq, M. van Meerssche, K. Jurkschat, C. Mügge, A. Zschunke, J.P. Dutasta, J.B. Robert  
*J. Chem. Soc., Perkin Trans. II* **1986**, 85.
- 43.** Reactivity and crystal and molecular structure of 5-phenyl-5-phospha-2,8-dithia-1-stanna(II)bicyclo[3.3.0<sup>1,5</sup>]octane  
U. Baumeister, H. Hartung, K. Jurkschat, A. Tzschach  
*J. Organomet. Chem.* **1986**, 304, 107.

## 1985

- 42.** Intramolekular donorstabilisierte Stannylene:5-element-stanna-II-bicyclooctane  
A. Tzschach, K. Jurkschat, M. Scheer  
*Nova Acta Leopoldina* **1985** 264, 305.
- 41.** Electron Impact Fragmentation of Tinn(II)-Containing Heterocyclic Compounds  
M. Gielen, K. Jurkschat, A. Tzschach  
*Bull. Soc. Chim.* **1985**, 94, 359.
- 40.** Crystal and molecular structure of 1-Aza-5-stanna-5-chloro-tricyclo[3.3.0<sup>1,5</sup>]-undecane, a 2,8,9-tricarba-stannatrane  
K. Jurkschat, A. Tzschach, J. Meunier-Piret and M. van Meerssche  
*J. Organomet. Chem.* **1985**, 290, 285.
- 39.** Spectroscopie Mossbauer de bis(halophenylstannyl)methanes, de leur complexes avec l'hexamethylphosphotriamide et de quelques composés voisins  
M. Gielen, K. Jurkschat, B. Mahieu, D. Aspers  
*J. Organomet. Chem.* **1985**, 286, 145.

- 38.** Crystal and molecular structure of bis(chlorodiphenylstannyl)methane  
J. Meunier-Piret, M. van Meerssche, K. Jurkschat, M. Gielen  
*J. Organomet. Chem.* **1985**, 288, 139.
- 37.** 1,5,5-trimethyl-1-aza-5-silabicyclo[3.3.0<sup>1,5</sup>]octan und 1-Aza-5-sila-5-methyl-tricyclo[3.3.0<sup>1,5</sup>]undecan - pentakoordinierte Tetraorganosiliciumverbindungen  
K. Jurkschat, C. Mügge, J. Schmidt, A. Tzschach  
*J. Organomet. Chem.* **1985**, 287, C1.
- 36.** Crystal and molecular structure of 5-t-butyl-5-aza-2,8-di-thia-1-stanna(II)-bicyclo[3.3.0<sup>1,5</sup>]octane, Identification of two different geometries along the dissociation-inversion pathway.  
K. Jurkschat, M. Scheer, A. Tzschach, J. Meunier-Piret  
*J. Organomet. Chem.* **1985**, 281, 173.
- 35.** 1,3,2,5-Dioxadiphosporinanes. Six-membered ring compounds containing two different phosphorus atoms  
A. Tzschach, K. Jurkschat, A. Zschunke, C. Mügge, S. Altenbrunn, C. Piccini-Leopardi, M. van Meerssche, G. Germain  
*J. Cryst. Spectr. Res.* **1985**, 15, 423.
- 34.** Bis(stannyl)methanes as building blocks for stannacycloalkanes  
K. Jurkschat, M. Gielen  
*Bull. Soc. Chim. Belg.* **1985**, 94, 299.
- 33.** Zur Darstellung P-funktioneller Di-Grignardverbindungen  
K. Jurkschat, H.-P. Abicht  
*Z. Chem.* **1985**, 25, 338
- 32.** Two dimensional <sup>119</sup>Sn NMR Spectroscopy as a tool for the elucidation of the

dynamic stereochemistry of tin compounds

C. Wynants, G. van Binst, C. Mügge, K. Jurkschat, A. Tzschach,  
H. Pepermans, M. Gielen, R. Willem  
*Organometallics* **1985**, *4*, 1906.

## 1984

- 31.** Synthesis, crystal and molecular structure and dynamic stereochemistry of  $\text{CH}_2[\text{PhSn}(\text{SCH}_2\text{CH}_2)_2\text{NMe}]_2$ , a compound with two five-coordinate tin centers  
R. Willem, M. Gielen, J. Meunier-Piret, M. van Meerssche, K. Jurkschat, A. Tzschach  
*J. Organomet. Chem.* **1984**, *277*, 335.
- 30.** 5-Thia-2,8(N-alkyl)diaza-1-stanna(II)-bicyclo[3.3.0<sup>1,5</sup>]octane - intramolekular basenstabilisierte Diazastannylene  
A. Tzschach, M. Scheer, K. Jurkschat  
*Z. Anorg. Allg. Chem.* **1984**, *515*, 147.
- 29.** Bis(halophenylstannyl)methanes : new organotin compounds exhibiting anti-tumor activity  
M. Gielen, K. Jurkschat, G. Atassi  
*Bull. Soc. Chim. Belg* **1984**, *93*, 153.
- 28.** Synthesis and spectroscopic investigations of bis(organo-stannyl)methanes  
M. Gielen, K. Jurkschat  
*J. Organomet. Chem.* **1984**, *273*, 303
- 27.** 1-aza-5-stanna-5,5-dimethylbicyclo[3.3.0<sup>1,5</sup>]octan und 1-aza-5-stanna-5-methyltricyclo[3.3.0<sup>1,5</sup>]undecan-pentakoordinierte Tetraorganozinnverbindungen  
K. Jurkschat, A. Tzschach  
*J. Organomet. Chem.* **1984**, *272*, C13.

26. Zur Reaktivität von intramolekular basenstabilisierten Zinn(II)-Verbindungen mit Halogenen, Zinntetrachlorid und Chloroform  
A. Tzschach, M. Scheer, K. Jurkschat  
*Z. Anorg. Allg. Chem.* **1984**, 512, 177.
25. Zur Reaktivität von intramolekular basenstabilisierten Zinn(II)-Verbindungen mit Mercaptanen, Disulfiden und Peroxiden  
A. Tzschach, M. Scheer, K. Jurkschat  
*Z. Anorg. Allg. Chem.* **1984**, 508, 73.
24. Synthesis, molecular structure and spectroscopic investigation of bis(halophenylstannyl)methane and propane complexes with hexamethylphosphoric triamide  
M. Gielen, K. Jurkschat, M.J. Meunier-Piret, M. van Meerssche  
*Bull. Soc. Chim. Belg.* **1984**, 93, 379.

## 1983

23. Electron impact fragmentation of selected organotriphenyl tin compounds  
M. Gielen, K. Jurkschat  
*Org. Mass. Spectr.* **1983**, 18, 224.
22. <sup>1</sup>H NMR study of 2,8-dithia-1,5-dielement-bicyclo[3.3.0]-octanes  
A. Zschunke, C. Mügge, H. Meyer, A. Tzschach, K. Jurkschat  
*Org. Magn. Reson.* **1983**, 21, 315
21. Synthesis, spectroscopic investigation and molecular structure of pentacarbonyl -5-tert.-butyl-5-aza-2,8-dithia-1-stannabicyclo[3.3.0<sup>1,5</sup>]octane chromium(0)  
A. Tzschach, K. Jurkschat, M. Scheer, J. Meunier-Piret, M. van Meerssche  
*J. Organomet. Chem.* **1983**, 259, 165.

20. 6-(N-Methyl)aza-2,10-dithia-1-stanna(II)-bicyclo[4,4,0<sup>1,6</sup>]deca,  
ein Zehnring mit transannularer Zinn-Stickstoff-Wechselwirkung  
A. Tzschach, K. Jurkschat und M. Scheer  
*Z. Anorg. Allg. Chem.* **1983**, 507, 196-198.
19. 5-Aza(Oxa, Thia)-2,8-dithia-1-stanna(II)-bicyclo[3.3.0<sup>1,5</sup>]octane:  
intramolekular basenstabilisierte Stannylene  
Von A. Tzschach, M. Scheer, K. Jurkschat, A. Zschunke und C. Mügge  
*Z. Allg. Anorg. Chem.* **1983**, 502, 158-164.
18. The Crystal and Molecular Structure and <sup>119</sup>Sn NMR investigations of  
2,2,3,3,5,5,6,6-Octaphenyl-2,3,5,6-Tetrastannacyclohexane  
J. Meunier-Piret, M. Van Meerssche, M. Gielen and K. Jurkschat  
*J. Organomet. Chem.*, **1983**, 252, 289-294.
17. The structure of 5-aza-2,8-dioxa-1-stanna(II)bicyclo[3.3.0]octane  
A. Zschunke, C. Mügge, M. Scheer, K. Jurkschat, and A. Tzschach  
*J. Crystallogr. Spectr. Research* **1983**, 13, 201-210.
16. Aspects of Pentacoordinated Tin Compounds  
A. Tzschach und K. Jurkschat  
*Comments Inorg. Chem.*, **1983**, Vol.3, No.1, 35-50.

## 1982

15. Complexes of bis(stannyl)methanes, -propanes and butanes with hexamethyl-  
phosphoric triamide  
K. Jurkschat, M. Gielen



*Bull. Soc. Chim. Belg.* **1982**, *91*, 803.

- 14.** Synthesis and characterization of the first example of a tetrastannacyclohexane  
K. Jurkschat, M. Gielen  
*J. Organomet. Chem.* **1982**, *236*, 69.
- 13.** 2,8-Dithia-1,5-diphospha-bicyclo[3.3.0]octan und 2,8-dithia-1-phospha-5-arsabicyclo[3.3.0]octan - Derivate  
K. Jurkschat, C. Mügge, A. Tzschach, W. Uhlig, A. Zschunke  
*Tetrahedron Letters* **1982**, *23*, 1345.
- 12.** An eight-membered ring containing two phosphorus atoms, Trans isomer of 2,6-dimethyl-1,3-dioxa-2,6-diphospha-cyclooctane 2,6-disulphide  
C. Piccini-Leopardi, G. German, J.P. Declercq, M. van Meerssche, J.B. Robert, K. Jurkschat  
*Acta Cryst.* **1982**, *B38*, 2197.
- 11.** 5-Alkyltritychoxazastannolidone und 4,5,6,11-Tetramethyltritychdiazastannolidone - atranartige Organostannylderivate der Nitrilotriessigsäure und des Nitrilotriessigsäure - N,N', N''-Trimethylamids  
A. Tzschach, K. Jurkschat, C. Mügge  
*Z. Anorg. Allg. Chem.* **1982**, *492*, 135.
- 10.** 1,4,6-Trimethyl-5,5-dialkyldiptychdiazastannolidone-intramolekular pentakoordinierte Stannylderivate des N,N',N''- Trimethyliminodiessigsäure-diamids  
A. Tzschach, K. Jurkschat, A. Zschunke, C. Mügge  
*Z. Anorg. Allg. Chem.* **1982**, *488*, 45.
- 9.** Determination of the coordination number and geometry of the coordination sphere of the central tin atom in stannatrane complexes by Mössbauer spectroscopy  
L. Korec, A.A. Saghier, K. Burger, A. Tzschach, K. Jurkschat

*Inorg. Chim. Acta* **1982**, 58, 243.

## 1981

8. Aspects of pentacoordinated cyclic organotin compounds  
A. Tzschach, H. Weichmann, K. Jurkschat  
*Organometal. Chem. Library* **1981**, 12, 293.
7. Dioxo-1,3-diphospha-2,6-cyclooctane, cycle a huit chainons a deux atomes de phosphore differents; dimeres cycliques a seize chainons  
J.P. Dutasta, K. Jurkschat, J.B. Robert  
*Tetrahedron Letters* **1981**, 22, 2549.

## 1980

6. Assoziationsverhalten von Stannatranen  
K. Jurkschat, C. Mügge, A. Tzschach, A. Zschunke, G.W. Fischer  
*Z. anorg. allg. Chem.* **1980**, 463, 123.
5. N-Alkyl-5,5-diorganodipychoxazastannolidine, intramolekular pentakoordi- nierte Stannylester der N-Methyliminodiessigsäure  
A. Tzschach, K. Jurkschat, A. Zschunke, C. Mügge  
*J. Organomet. Chem.* **1980**, 193, 299.

## 1979

4.  $^1\text{H}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$  and  $^{119}\text{Sn}$  NMR investigations on stannatranes  
K. Jurkschat, C. Mügge, A. Tzschach, A. Zschunke, G. Engelhardt, E. Lippmaa, M. Magi, F.F. Larin, V.A. Pestunovich, M.G. Voronkov

*J. Organomet. Chem.* **1979**, 171, 301.

3. Intramolecular mobility of pentacoordinated tin compounds

C. Mügge, K. Jurkschat, A. Tzschach, A. Zschunke

*J. Organomet. Chem.* **1979**, 164, 135.

## **1977**

2. Intramolecular mobility of pentacoordinated tin compounds

K. Jurkschat, C. Mugge, A. Tzschach, A. Zschunke, M.F. Larin,

V.A. Pestunovich, M.G. Voronkov

*J. Organomet. Chem.* **1977**, 139, 279.

## **1976**

1. Zur intramolekularen Beweglichkeit an pentakoordinierten Zinnverbindungen

A. Zschunke, A. Tzschach, K. Jurkschat

*J. Organomet. Chem.* **1976**, 112, 273.