

INSTITUT FÜR ANORGANISCHE CHEMIE

DER UNIVERSITÄT GÖTTINGEN

Am Institut tätig:

Prof. Dr. U. Klingebiel
Prof. Dr. F. Meyer
Prof. Dr. A. Meller
Prof. Dr. Dr. h. c. mult. H. W. Roesky
Prof. G. M. Sheldrick
Prof. Dr. D. Stalke
Prof. Dr. O. Wenger
Dr. Birger Dittrich
Jun.-Prof. Dr. Guido Clever
Jun.-Prof. Dr. Thomas Waitz

LISTE DER VERÖFFENTLICHUNGEN

2010

- 1. Abraham**, Sascha; **Schmatz**, Stefan; **Klingebiel**, Uwe; **Fischer**, Andreas:
Intramolekulare Ringerweiterung eines 2-Lithium-anilido-2-fluoro-1,3-diaza-2-silacyclopents zum 1,3,5-Triaza-7-bora-2-silacyclohepten - Experimentelle und Quantenchemische Ergebnisse.
Z. Anorg. Allg. Chem. **636**(3-4), 576-580 (2010)
- 2. Albrecht**, Merwe; **Borba**, Ana; **Le Barbu-Debus**, Katia; **Dittrich**, Birger; **Fausto**, Rui; **Grimme**, Stefan; **Mahjoub**, Ahmed; **Nedic**, Marija; **Schmitt**, Ulrich; **Schrader**, Lena; **Suhm**, Martin A.; **Zehnacker-Rentien**, Anne; **Zischang**, Julia:
Chirality influence on the aggregation of methyl mandelate.
New J. Chem., **34**(7), 1266-1285 (2010)
- 3. Beck**, Tobias; **Gruene**, Tim; **Sheldrick**, George M.:
The magic triangle goes MAD: experimental phasing with a bromine derivative.
Acta Crystallogr. **D66**(4), 374-380 (2010)
- 4. Beer**, Günther:
Beitrag zur Baugeschichte des Akademischen Museums 1773 bis 1877 mit drei Gebäudeplänen des Akademischen Museums (1832 - 1842 - 1862).
Museum der Göttinger Chemie - Museumsbrief **29**, 2-20 (2010)
- 5. Beer**, Günther:
Eine erste[?] Göttinger Professur für Bergwerkswissenschaften von 1780 bis 1783 für Carl Chassot de Florencourt.
Museum der Göttinger Chemie - Museumsbrief **29**, 20-27 (2010)

6. **Beer**, Günther:
Die Gründung des Göttinger chemischen Laboratoriums 1781 zur Förderung der Bergwerkswissenschaften.
Museum der Göttinger Chemie - Museumsbrief **29**, 27-43 (2010)
7. **Clever**, Guido H; **Shionoya**, Mitsuhiko:
A pH switchable pseudorotaxane based on a metal cage and a bis-anionic thread.
Chem. Eur. J. **16**(39), 11792-11796 (2010)
8. **Clever**, Guido H; **Reitmeier**, Stephan J.; **Carell**, Thomas; **Schiemann**, Olav:
Antiferromagnetic coupling of stacked Cu^{II}-salen complexes in DNA.
Angew. Chemie, **122**(29), 5047-5049 (2010); *Angew. Chem. Int. Ed.* **49**(29), 4927-4929 (2010)
9. **Clever**, Guido H.; **Tashiro**, Shohei; **Shionoya**, Mitsuhiko:
Light-triggered crystallization of a molecular host-guest complex.
J. Am. Chem. Soc. **132**(29), 9973-9975 (2010)
10. **Clever**, Guido H; **Shionoya**, Mitsuhiko:
Metal-base pairing in DNA.
Coord. Chem. Rev. **254**(19), 2391-2402 (2010)
11. **Dittrich**, Birger; **Harrowfield**, Jack M.; **Koutsantonis**, George A.; **Nealson**, Gareth L.; **Skelton**, Brian W.:
Long tailed cage amines: Synthesis, metal complexation, and structure.
Dalton Trans. **39**(14),3433-3448 (2010)
12. **Dittrich**, Birger; **Bond**, Charles S.; **Kalinowski**, Roman; **Spackman**, M. A.; **Jayatilaka**, Dylan:
Revised electrostatics from invariom refinement of the 18-residue peptaibol antibiotic trichothoxin A50E.
CrystEngComm, **12**(8), 2419-2423 (2010)
13. **Dixit**, Namrata; **Shukla**, P.K.; **Mishra**, P.C.; **Mishra**, Lallan; **Roesky**, Herbert W.:
Binding of urea and thiourea with a barbiturate derivative: Experimental and theoretical approach.
J. Phys. Chem. A **114**(1), 97-104 (2010)
14. **Dixit**, Namrata; **Goto**, K.; **Mishra**, Lallan; **Roesky**, Herbert W.:
Supramolecular architectures constructed with the skeletons of zinc(II) 2,2'-bipyridine and barbiturate anion: synthesis and characterization.
Polyhedron **29**(4), 1299-1304 (2010)
15. **Druzhinin**, Sergey I. ; **Mayer**, Peter; **Stalke**, Dietmar; **von Bülow**, Rixa ; **Noltemeyer**, Mathias;
Zachariasse, Klaas A.:
Intramolecular charge transfer with 1-*tert*-butyl-6-cyano-1,2,3,4-tetrahydroquinoline (NTC6) and other aminobenzonitriles. A comparison of experimental vapor phase spectra and crystal structures with calculations.
J. Am. Chem. Soc. **132**(22), 7730-7744 (2010)
16. **Durola**, Fabien; **Sauvage**, Jean-Pierre; **Wenger**, Oliver S.:
The magic effect of endocyclic but non-sterically hindering bisoquinoline chelates: From fast-moving molecular shuttles to [3]rotaxanes.
Coord. Chem. Rev. **254**(15), 1748-1759 (2010)
17. **Deuerlein**, Stephan; **Stalke**, Dietmar:
Die Kunst Atome sichtbar zu machen.
In: Neher, Eva-Maria (Hrsg.): Aus den Elfenbeintürmen der Wissenschaft. - Göttingen: Wallstein-Verl., S. 43-55 (2010) (*XLab Science Festival*; **3**)
18. **Enders**, Dieter; **Seppelt**, Matthias; **Beck**, Tobias:
Enantioselective organocatalytic synthesis of arylglycines *via* Friedel-Crafts alkylation of arenes with a glyoxylate imine.
Adv. Synth. Catal. **352**(9), 1413-1418 (2010)
19. **Fabbiani**, Francesca P. A.; **Buth**, Gernot; **Dittrich**, Birger; **Sowa**, Heidrun:
Pressure-induced structural changes in wet vitamin B12.
CrystEngComm **12**(9), 2541 – 2550 (2010)
20. **Ficks**, Arne; **Sibbald**, Connor; **John**, Michael; **Dechert**, Sebastian; **Meyer**, Franc:
Dinuclear allylpalladium complexes of C₂-symmetric pyrazolate-bridged bis(oxazoline) ligands (pyrbox's): Structures, dynamic behavior, and application in asymmetric allylic alkylation.
Organometallics **29**(5), 1117-1126 (2010)

21. **Fischer**, Andreas; **Stern**, Daniel; **Thorn**, Andrea; **Abraham**, Sascha; **Stalke**, Dietmar; **Klingebiel**, Uwe:
From the lithium-2-anilide-2-fluoro-1,3-diaza-2-sila-cyclopentene-GaCl₃ adduct to 1,4,6-triaza-5-gallium-7-sila-cyclo-3-heptene - Experimental and quantum-chemical results.
Z. Anorg. Allg. Chem. **636**(8), 1527-1532 (2010)
22. **Freys**, Jonathan C.; **Wenger**, Oliver S.:
Supramolecular and intramolecular energy transfer with ruthenium-anthracene donor-acceptor couples: Salt-bridge versus covalent bond.
Eur. J. Inorg. Chem. (35), 5509-5516 (2010).
23. **Fuchs**, Michael G. G.; **Meyer**, Franc; **Ryde**, Ulf:
A combined computational and experimental investigation of the [2Fe-2S] cluster in biotin synthase.
J. Biol. Inorg. Chem. **15**(2), 203-212 (2010)
24. **Fuchs**, Michael G. G.; **Dechert**, Sebastian; **Demeshko**, Serhiy; **Ryde**, Ulf; **Meyer**, Franc:
A five-coordinate [2Fe-2S] cluster.
Inorg. Chem. **49**(13), 5853-5858 (2010)
25. **Fuchs**, Michael G. G.; **Dechert**, Sebastian; **Demeshko**, Serhiy; **Meyer**, Franc:
N-coordinated [2Fe-2S] and [4Fe-4S] clusters: Synthesis, structures and spectroscopic characterisation.
Eur. J. Inorg. Chem. (21), 3247-3251 (2010)
26. **Ghadwal**, Rajendra S.; **Roesky**, Herbert W.; **Granitzka**, Markus; **Stalke**, Dietmar:
A facile route to functionalized N-heterocyclic carbenes (NHCs) with NHC base-stabilized dichlorosilylene.
J. Am. Chem. Soc. (Commun.), **132**(29), 10018-10020 (2010)
27. **Ghadwal**, Rajendra S.; **Roesky**, Herbert W.; **Merkel**, Sebastian; **Stalke**, Dietmar:
Ambiphilicity of dichlorosilylene in a single molecule.
Chem. Eur. J. **16**(1), 85-88 (2010)
28. **Ghadwal**, Rajendra S.; **Sen**, Sakya S.; **Roesky**, Herbert W.; **Granitzka**, Markus; **Kratzert**, Daniel; **Merkel**, Sebastian; **Stalke**, Dietmar:
Convenient access to monosilicon epoxides with pentacoordinate silicon.
Angew. Chemie, **122**(23), 4044-4047 (2010); *Angew. Chem. Int. Ed.* **49**(23), 3952-3955 (2010)
29. **Görth**, Martin; **Schneider**, Ute; **Ott**, Holger; **Schulzke**, Carola; **Stalke**, Dietmar; **Klingebiel**, Uwe:
Synthese und Cyclisierung von Boryl- und Silylhydrazonen.
Z. Naturforsch. **65b**(5), 587-602 (2010)
30. **Görth**, Martin ; **Abraham**, Sascha ; **Schmatz**, Stefan ; **Ott**, Holger ; **Stalke**, Dietmar; **Klingebiel**, Uwe:
Thermische Isomerisierung eines Silenketazins zum Diazasilacyclopenten: Experimentelle und theoretische Untersuchungen.
Z. Naturforsch. **65b**(2), 107-118 (2010)
31. **Graf**, Michèle; **Wolmershäuser**, Gotthelf; **Kelm**, Harald; **Demeshko**, Serhiy; **Meyer**, Franc; **Krüger**, Hans-Jörg:
Temperature-induced spin-transition in a low-spin cobalt(II) semiquinonate complex.
Angew. Chem. **122**(5), 962-965 (2010); *Angew. Chem. Int. Ed.* **49**(5), 950-953 (2010)
32. **Haffer**, Stefanie; **Waitz**, Thomas; **Tiemann**, Michael:
Mesoporous In₂O₃ with regular morphology by nanocasting: A simple relation between defined particle shape and growth mechanism.
J. Phys. Chem. C **114**(5), 2075-2081 (2010)
33. **Hanss**, David; **Walther**, Mathieu E.; **Wenger**, Oliver S.:
Accelerated hole transfer across a molecular double barrier.
Chem. Commun. **46**(37), 7034-7036 (2010)
34. **Hanss**, David; **Walther**, Mathieu E.; **Wenger**, Oliver S.:
Importance of covalence, conformational effects and tunneling-barrier heights for long-range electron transfer: Insights from dyads with oligo-*p*-phenylene, oligo-*p*-xylene, and oligo-*p*-dimethoxybenzene bridges.
Coord. Chem. Rev. **254**(21), 2584-2592 (2010)
35. **Henn**, Julian; **Meindl**, Kathrin; **Oechsner**, Andreas; **Schwab**, Gerald; **Koritsanszky**, Tibor; **Stalke**, Dietmar:

- Elektronendichteverteilung in einem Metallaphosphan.
Angew. Chemie **122**(13), 2472-2476 (2010); *Angew. Chem. Int. Ed.* **49**(13), 2422-2426 (2010)
36. **Hijazi**, Akram; **Walther**, Mathieu E.; **Besnard**, Céline; **Wenger**, Oliver S.:
Spectroscopy and photoredox properties of soluble platinum(II) alkynyl complexes.
Polyhedron **29**(2), 857-863 (2010)
37. **Holstein**, J. J.; **Luger**, P.; **Kalinowski**, R.; **Mebs**, S.; **Paulmann**, C.; **Dittrich**, Birger:
Validation of experimental charge densities: Refinement of the macrolide antibiotic roxithromycin.
Acta Crystallogr., **B66**(5), 568-577 (2010)
38. **Jana**, Anukul; **Roesky**, Herbert W.; **Schulzke**, Carola; **Samuel**, Prinson P.:
An efficient route for the synthesis of a tin(II) substituted carbodiimide from a diazo compound.
Inorg. Chem. **49**(7), 3461-3464 (2010)
39. **Jana**, Anukul; **Tavčar**, Gašper; **Roesky**, Herbert W.; **Schulzke**, Carola:
Facile synthesis of dichlorosilane by metathesis reaction and dehydrogenation of dihydrogermane by a frustrated Lewis pair.
Dalton Trans. **39**(27), 6217-6220 (2010)
40. **Jana**, Anukul; **Tavčar**, Gašper; **Roesky**, Herbert W.; **John**, Michael:
Germanium(II) hydride mediated reduction of carbon dioxide to formic acid and methanol with ammonia borane as the hydrogen source.
Dalton Trans. **39**(40), 9487-9489 (2010)
41. **Jana**, Anukul; **Samuel**, Prinson P.; **Roesky**, Herbert W.; **Schulzke**, Carola:
Preparation of iron carbonyl complexes of germanium(II) and tin(II) each with a terminal fluorine atom.
J. Fluorine Chem. **131**(11), 1096-1099 (2010)
42. **Jana**, Anukul; **Sarish**, Sankaranarayana Pillai; **Roesky**, Herbert W.; **Schulzke**, Carola; **Samuel**, Prinson P.:
A rational design for an efficient synthesis of a monomeric tin(II) hydroxide.
Chem. Commun. **46**(5), 707-709 (2010)
43. **Jana**, Anukul; **Objartel**, Ina; **Roesky**, Herbert W.; **Stalke**, Dietmar:
Reaction of β -diketiminato tin(II) dimethylamide $LSnNMe_2$ [$L = HC(CMeNAr)_2$; $Ar = 2,6-iPr_2C_6H_3$] with ketones and alkynes.
Dalton Trans. **39**(19), 4647-4650 (2010)
44. **Jana**, Anukul; **Roesky**, Herbert W.; **Schulzke**, Carola; **Samuel**, Prinson P.:
Reaction of tin(II) hydride with compounds containing aromatic C–F bonds.
Organometallics **29**(21), 4837-4841 (2010)
45. **Jana**, Anukul; **Samuel**, Prinson P.; **Tavčar**, Gašper; **Roesky**, Herbert W.; **Schulzke**, Carola:
Selective aromatic C–F and C–H bond activation with silylenes of different coordinate silicon.
J. Am. Chem. Soc. **132**(29), 10164-10170 (2010)
46. **Jana**, Anukul; **Schwab**, Gerald; **Roesky**, Herbert W.; **Stalke**, Dietmar:
Synthesis and characterization of β -diketiminato germanium(II) and tin(II) bromides.
Inorg. Chim. Acta **363**(15), 4408-4410 (2010)
47. **Jana**, Anukul; **Roesky**, Herbert W.; **Schulzke**, Carola; **Samuel**, Prinson P.; **Döring**, Alexander:
Synthesis and reaction of monomeric germanium(II) and lead(II) dimethylamide and the synthesis of germanium(II) hydrazide by cleavage of one N–H bond of hydrazine.
Inorg. Chem. **49**(12), 5554-5559 (2010)
48. **Jarenmark**, Martin; **Csapó**, Edit; **Singh**, Jyoti; **Wöckel**, Simone; **Farkas**, Etelka; **Meyer**, Franc; **Haukka**, Matti; **Nordlander**, Ebbe:
Unsymmetrical dizinc complexes as models for the active sites of phosphohydrolases.
Dalton Trans. **39**(35), 8183-8194 (2010)
49. **Khan**, Shabana; **Sen**, Sakya S.; **Roesky**, Herbert W.; **Kratzert**, Daniel; **Michel**, Reent; **Stalke**, Dietmar:
One pot synthesis of disilatricycloheptene analogue and Jutzi's disilene.
Inorg. Chem. **49**(20), 9689-9693 (2010)
50. **Klinge**, Julia; **Kaase**, Dominik; **Klinge**, Marco H.; **Lach**, Jochen; **Demeshko**, Serhiy:
Two-step spin crossover in the mononuclear iron(II) complex $[Fe^{II}(L)_2(NCS)_2]$ ($L = 2,5$ -di-(2-pyridyl)-1,3,4-

thiadiazole).
Dalton Trans. (7), 1689-1691 (2010)

- 51. Leibeling, Markus; Koester, Dennis C.; Pawliczek, Martin; Kratzert, Daniel; Dittrich, Birger; Werz, Daniel B.:**
Hybrids of sugars and aromatics: A Pd-catalyzed modular approach to chromans and isochromans.
Bioorg. Med. Chem. **18**(11), 3656-3667 (2010)
- 52. Li, Jiangfeng; Merkel, Sebastian; Henn, Julian; Meindl, Kathrin; Döring, Alexander; Roesky, Herbert W.; Ghadwal, Rajendra S.; Stalke, Dietmar:**
Lewis-base-stabilized dichlorosilylene: A two-electron σ -donor ligand.
Inorg. Chem. **49**(3), 775-777 (2010)
- 53. Li, Jianfeng; Schulzke, Carola; Merkel, Sebastian; Roesky, Herbert W.; Samuel, Prinson P.; Döring, Alexander; Stalke, Dietmar:**
Synthesis and characterization of N-heterocyclic carbene complexes of titanium(IV) and titanium(III).
Z. Anorg. Allg. Chem. **633**(3), 511-514 (2010)
- 54. Mandal, Swadhin K.; Roesky, Herbert W.:**
Interstellar molecules: Guides for new chemistry.
Chem. Commun. **46**(33), 6016-6041 (2010)
- 55. Meindl, Kathrin; Herbst-Irmer, Regine; Henn, Julian:**
On the effect of neglecting anharmonic nuclear motion in charge density studies.
Acta Crystallogr. **A66**(3), 362-371 (2010)
- 56. Meindl, Kathrin; Schmiederer, Timo; Schneider, Kathrin; Reicke, Andreas; Butz, Diane; Keller, Simone; Gühring, Hans; Vértesy, László; Wink, Joachim; Hoffmann, Holger; Brönstrup, Mark; Sheldrick, George M.; Süsmuth, Roderich D.:**
Labyrinthopeptine – eine neue Klasse carbacyclischer Lantibiotika.
Angew. Chemie, **122**(6), 1169-1173, S1169/1- S1169/19 (2010); *Angew. Chem. Int. Ed.* **49**(6), 1151-1154, S1151/1-S1151/19 (2010)
- 57. Meyer, Julius Till Enno; Schulz, Thomas; Pandey, Sushil Kumar; Stalke, Dietmar:**
New chelating ligands based on S-organosulfurdiimides: Synthesis and single crystal X-ray structures of their lithium complexes.
Inorg. Chem. **49**(6), 2743-2749 (2010)
- 58. Meyer, Steffen; Demeshko, Serhiy; Dechert, Sebastian; Meyer, Franc:**
Synthesis, structure and Mössbauer characterization of polymeric iron(II) complexes with bidentate thiourea ligands.
Inorg. Chim. Acta **363**(12), 3088-3092 (2010)
- 59. Michel, Reent; Herbst-Irmer, Regine; Stalke, Dietmar:**
Unprecedented CpLi ammoniacates.
Organometallics **29**(23), 6169-6171 (2010)
- 60. Moroz, Yurii S.; Szyrwił, Łukasz; Demeshko, Serhiy; Kozłowski, Henryk; Meyer, Franc; Fritsky, Igor O.:**
One-pot synthesis of a new magnetically coupled heterometallic Cu₂Mn₂ [2x2] molecular grid.
Inorg. Chem. **49**(11), 4750-4752 (2010)
- 61. Objartel, Ina; Pott, Nils A.; John, Michael; Stalke, Dietmar:**
Coordination site selective *Janus Head* ligands.
Organometallics **29**(21), 5670-5675 (2010)
- 62. Ohde, Christian; Limberg, Christian; Stösser, Reinhard; Demeshko, Serhiy:**
Oxovanadium(IV) silsesquioxane complexes.
Inorg. Chem. **49**(5), 2479-2485 (2010)
- 63. Ohde, Christian; Limberg, Christian; Schmidt, Dennis; Enders, Markus; Demeshko, Serhiy; Knispel, Christina:**
Progress in the compilation of an oxovanada-silsesquioxane portfolio and catalytic activity of organometallic representatives in ethylene polymerisation.
Z. Anorg. Allg. Chem. **636**(13-14), 2315-2322 (2010)

64. **Ostermeier**, Marc; **Berlin**, Marie-Anne; **Meudtner**, Robert M.; **Demeshko**, Serhiy; **Meyer**, Franc; **Limberg**, Christian; **Hecht**, Stefan:
Complexes of click-derived bistriazolylpyridines: Remarkable electronic influence of remote substituents on thermodynamic stability as well as electronic and magnetic properties.
Chem. Eur. J. **16**(33), 10202-10213 (2010)
65. **Penkova**, Larysa; **Demeshko**, Serhiy; **Pavlenko**, Vadim A.; **Dechert**, Sebastian; **Meyer**, Franc; **Fritsky**, Igor O.:
Binuclear manganese(III) complexes of an unsymmetric pyrazolate-based compartmental ligand with hard donor set.
Inorg. Chim Acta **363**(12), 3036-3040 (2010)
66. **Roesky**, Herbert W.:
A flourish of fluorine.
Nature Chemistry **2**(3), 240 (2010)
67. **Roesky**, Herbert W.; **Varonka**, Matthew S.; **Warren**, Timothy H.:
 β -diketiminato-supported manganese and zinc complexes.
Inorganic Syntheses **35**, 34-38 (2010)
68. **Roesky**, Herbert W.:
Preparation of organometallic hydroxides and their reactions with lanthanide compounds.
Z. Anorg. Allg. Chem. **636**(12), 2192-2197 (2010)
69. **Roesky**, Herbert W.; **Gindl**, Judith:
Selenium-nitrogen and tellurium-nitrogen compounds.
In: *Inorganic Experiments* (3rd Edition) Ed.: **Woollins**, J. Derek. S. 436-439. -
Weinheim: Wiley-VCH, 2010
70. **Roesky**, Herbert W.:
Synthesis of well-defined organometallic hydroxides: [L₂CaOH]₂, LAI(Me)OH and L₂GeOH.
In: *Inorganic Experiments* (3rd Edition) Ed.: **Woollins**, J. Derek. S. 396-401. -
Weinheim: Wiley-VCH, 2010
71. **Sachse**, Anna; **John**, Michael; **Meyer**, Franc:
A unique Pd₄ platform with CH₃ and μ -CH₂ groups and its C–C coupling reaction with simple olefins.
Angew. Chem. **122**(11), 2030-2033 (2010); *Angew. Chem. Int. Ed.* **49**(11), 1986-1989 (2010)
72. **Sachse**, Anna; **Demeshko**, Serhiy; **Dechert**, Sebastian; **Daebel**, Venita; **Lange**, Adam; **Meyer**, Franc:
Highly preorganized pyrazolate-bridged palladium(II) and nickel(II) complexes in bimetallic norbornene polymerization.
Dalton Trans. **39**(16), 3903-3914 (2010)
73. **Sarish**, Sankaranarayana Pillai; **Jana**, Anukul; **Roesky**, Herbert W.; **Schulz**, Thomas; **Stalke**, Dietmar:
A [I–Ca–I–Ca–I–Ca–I]²⁺ chain stabilized by two chelating β -diketiminato ligands.
Organometallics **29**(13), 2901-2903 (2010)
74. **Sarish**, Sankaranarayana Pillai; **Jana**, Anukul; **Roesky**, Herbert W.; **Schulz**, Thomas; **John**, Michael; **Stalke**, Dietmar:
Heavier alkaline earth metal borohydride complexes stabilized by β -diketiminato.
Inorg. Chem. **49**(8), 3816-3820 (2010)
75. **Schneider**, Benjamin; **Demeshko**, Serhiy; **Dechert**, Sebastian; **Meyer**, Franc:
Ein zweifach schaltender multistabiler Fe₄-Gitterkomplex mit stufenweisen Spin- und Redoxübergängen.
Angew. Chem. **122**(48), 9461-9464 (2010); *Angew. Chem. Int. Ed.* **49**(48), 9274-9277 (2010)
76. **Schneider**, Tobias F.; **Kaschel**, Johannes; **Awan**, Shahid I.; **Dittrich**, Birger; **Werz**, Daniel B.:
From furan to molecular stairs: Syntheses, structural properties and theoretical investigations of oligocyclic oligoacetals.
Chemistry Europ. J. **16**(37), 11276-11288 (2010)
77. **Schulz**, Eike C.; **Neumann**, Piotr; **Gerardy-Schahn**, Rita; **Sheldrick**, George M.; **Ficner**, Ralf:
Structure analysis of endosialidase NF at 0.98 Å resolution.
Acta Crystallogr. **D66**(2), 176-180

- 78. Schulz, Thomas; Stalke, Dietmar:**
Lithium and aluminum anthracenyldiimidosulfates.
Z. Naturforsch. **65b**(6), 701-710 (2010)
- 79. Schulz, Thomas; Deuerlein, Stephan; Stalke, Dietmar:**
Magnesium diimidosulfates – Conformational studies in the solid state and in solution.
Eur. J. Inorg. Chem. (**14**), 2178-2184 (2010)
- 80. Schulz, Thomas; Stalke, Dietmar:**
Magnesium triimidosulfonates from Grignard reagents.
Eur. J. Inorg. Chem. (**14**), 2185-2192 (2010)
- 81. Schulz, Thomas; Dauer, David-Raphael; Stalke, Dietmar:**
 π -Spacer coupled diimidosulfates.
Z. Naturforsch. **65b**(6), 711-718 (2010)
- 82. Sen, Sakya S.; Roesky, Herbert W.; Stern, Daniel; Henn, Julian; Stalke, Dietmar:**
High yield access to silylene RSiCl ($\text{R}=\text{PhC}(\text{N}t\text{Bu})_2$) and its reactivity towards alkyne: Synthesis of stable disilacyclobutene.
J. Am. Chem. Soc. **132**(3), 1123-1126 (2010)
- 83. Sen, Sakya S.; Kratzert, Daniel; Stern, Daniel; Roesky, Herbert W.; Stalke, Dietmar:**
Reactivity studies of a $\text{Ge}^{\text{I}}\text{-Ge}^{\text{I}}$ compound with and without cleavage of the Ge-Ge bond.
Inorg. Chem. **49**(13), 5786-5788 (2010)
- 84. Sen Sakya S; Kritzler-Kosch, Malte P.; Nagendran, Selvarajan; Roesky, Herbert W.; Beck, Tobias; Pal, Aritra; Herbst-Irmer, Regine:**
Synthesis of monomeric divalent tin(II) compounds with terminal chloride, amide, and triflate substituents
Eur. J. Inorg. Chem. (33), 5304-5311 (2010)
- 85. Sen, Sakya S.; Tavčar, Gašper; Roesky, Herbert W.; Kratzert, Daniel; Hey, Jakob; Stalke, Dietmar:**
Synthesis of a stable four-membered Si_2O_2 ring and a dimer with two four-membered Si_2O_2 rings bridged by two oxygen atoms, with five-coordinate silicon atoms in both ring systems.
Organometallics **29**(10), 2343-2347 (2010)
- 86. Sen, Sakya S.; Roesky, Herbert W.; Meindl, Kathrin; Stern, Daniel; Henn, Julian; Stückl, A. Claudia; Stalke, Dietmar:**
Synthesis, structure, and theoretical investigation of amidinato supported 1,4-disilabenzene.
Chem. Commun. **46**(32), 5873-5875 (2010)
- 87. Sheldrick, George M.:**
Experimental phasing with *SHELXC/D/E*: combining chain tracing with density modification.
Acta Crystallogr. **D66**(4), 479-485 (2010)
- 88. Shylesh, Sankaranarayanapillai; Wang, Lei; Demeshko, Serhiy; Thiel, Werner R:**
Facile synthesis of mesoporous magnetic nanocomposites and their catalytic application in carbon-carbon coupling reactions.
ChemCatChem. **2**(12) 1543-1547 (2010)
- 89. Spork, Anatol P.; Koppermann, Stefan; Dittrich, Birger; Herbst-Irmer, Regine; Ducho, Christian:**
Efficient synthesis of the core structure of muraymycin and caprazamycin nucleoside antibiotics based on stereochemically revised sulfur ylide reaction.
Tetrahedron: Asymmetry **21**(7), 763-766 (2010)
- 90. Stern, Daniel; Finkelmeier, Nils; Meindl, Kathrin; Henn, Julian; Stalke, Dietmar:**
Schrittweiser Donorbasenaustausch in Anthracenyllithiumverbindungen.
Angew. Chem. **122**(38), 7021-7024 (2010); *Angew. Chem. Int. Ed.* **49**(38), 6869-6872 (2010)
- 91. Stern, Daniel; Granitzka, Markus; Schulz, Thomas; Stalke, Dietmar:**
Polymorphism of dibromo-tetrakis(tetrahydrofuran- κO)magnesium(II).
Z. Naturforsch. **65b**(6), 719-724 (2010)
- 92. Tan, Gengwen; Yang, Ying; Chu, Chenhui; Zhu, Hongping; Roesky, Herbert W.:**
 $\text{Cu}_{24}\text{O}_{26}\text{Si}_8\text{R}_8$: Organic soluble 56-membered copper(I) siloxane cage and its use in homogeneous catalysis.
J. Am. Chem. Soc. **132**(35), 12231-12233 (2010)

93. **Tatic**, Tanja; **Meindl**, Kathrin; **Pandey**, Sushil Kumar; **Stalke**, Dietmar:
The first asymmetric organolithium tetramers with simple ether donor bases.
Chem. Commun. **46**(25), 4562-4564 (2010)
94. **Tavčar**, Gašper; **Sen**, Sakya S.; **Azhakar**, Ramachandran; **Thorn**, Andrea; **Roesky**, Herbert W.:
Facile syntheses of silylene nickel carbonyl complexes from Lewis base stabilized chlorosilylenes.
Inorg. Chem. **49**(21), 10199-10202 (2010)
95. **Tavčar**, Gašper; **Sen**, Sakya S.; **Roesky**, Herbert W.; **Hey**, Jakob; **Kratzert**, Daniel; **Stalke**, Dietmar:
Reactions of a bis-silylene (LSi-SiL, L = PhC(NtBu)₂) and a heteroleptic chloro silylene (LSiCl) with benzil: Formation of bis(siladioxolene) and monosiladioxolene analogue with five-coordinate silicon atoms in both ring systems.
Organometallics, **29**(17), 3930-3935 (2010)
96. **Tietze**, Lutz F.; **Schuster**, Heiko J.; **von Hof**, J. Marian; **Hampel**, Sonja M.; **Colunga**, Juan F.; **John**, Michael:
Atropisomerism of aromatic carbamates.
Chem. Eur. J. **16**(42), 12678-12682 (2010)
97. **Vouffo**, Bertin; **Dongo**, Etienne; **Facey**, Petrea; **Thorn**, Andrea; **Sheldrick**, George; **Maier**, Armin; **Fiebig**, Heinz Herbert; **Laatsch**, Hartmut:
Antiarol cinnamate and africanoside, a cinnamoyl triterpene and a hydroperoxy-cardenolide from the stem bark of *Antiaris africana*.
Planta Med. **76**(15), 1717-1723 (2010)
98. **Waitz**, Thomas; **Becker**, B.; **Wagner**, T.; **Sauerwald**, T.; **Kohl**, C.-D.; **Tiemann**, Michael:
Ordered nanoporous SnO₂ gas sensors with high thermal stability.
Sens. Actuators B **150**(2), 788-793 (2010)
99. **Walther**, Mathieu E.; **Grilj**, Jakob; **Hanss**, David; **Vauthey**, Eric; **Wenger**, Oliver S.:
Photoinduced processes in fluorene-bridged rhenium-phenothiazine dyads – Comparison of electron transfer across fluorene, phenylene, and xylene bridges.
Eur. J. Inorg. Chem. (32), 4843-4850 (2010)
100. **Yadav**, Prem P.; **Nair**, Vimal; **Dittrich**, Birger; **Schöffler**, Anja; **Laatsch**, Hartmut:
Lucknolides A and B, tricyclic ketal-lactone metabolites from a terrestrial *Streptomyces* sp.
Org. Lett., **12**(17), 3800-3803 (2010)
101. **Yang**, Ying; **Zhu**, Hongping; **Roesky**, Herbert W.; **Yang**, Zhi; **Tan**, Gengwen; **Li**, Haipu; **John**, Michael; **Herbst-Irmer**, Regine:
Trinuclear alumoxanes with an acyclic Al-O-Al-O-Al core and studies of their reactivity.
Chem. Eur. J. **16**(42) 12530-12533 (2010)
102. **Yeh**, Joanne I.; **Pohl**, Ehmke; **Truan**, Daphne; **He**, Wei; **Sheldrick**, George M.; **Du**, Shoucheng; **Achim**, Catalina:
The Crystal structure of non-modified and bipyridine-modified PNA duplexes.
Chem. Eur. J. **16**(39), 11867-11875, S11867/1-S11867/12 (2010)