

Publikationen Prof. Dr. Matthias Driess

2011

197. **Entrapment of Heteropolyacids in Metallic Silver Matrices: Unique Heterogenized Acid Catalysts**
S. Krackl, A. Company, Y. Aksu, D. Avnir, M. Driess
ChemCatChem **2011**, Vol. 3, Issue 1, 227-232 (DOI: 10.1002/cctc.201000239)
198. **Unprecedented Alkylzinc–Magnesium Alkoxide Clusters as Suitable Organometallic Precursors for Magnesium-Containing ZnO Nanoparticles**
S. Heitz, Y. Aksu, C. Merschjann, M. Driess
Chem. Eur. J. **2011**, 17, Issue 14, 3904-3910 (DOI: 10.1002/chem.201002743)
199. **Zwitterionic and Donor-Stabilized N-Heterocyclic Silylenes (NHSis) for Metal-Free Activation of Small Molecules**
S. Yao, Y. Xiong, M. Driess
Organometallics **2011**, 30, No. 7, 1748-1767 (DOI: dx.doi.org/10.1021/om200017h)
200. **Facile Access to Homo- and Heteroleptic, Triply Bonded Dimolybdenum Hexaalkoxides with Unsaturated Alkoxide Ligands**
S. Krackl, J.-G. Ma, Y. Aksu, M. Driess
Eur. J. Inorg. Chem. **2011**, Issue 11, 1725-1732 (DOI: 10.1002/ejic.201001236)
201. **A Molecular Precursor Approach to Tunable Porous Tin-Rich Indium Tin Oxide with Durable High Electrical Conductivity for Bioelectronic Devices**
Y. Aksu, S. Frasca, U. Wollenberger, M. Driess and A. Thomas
Chem. Mater. **2011**, Vol. 23, No. 7, 1798-1804 (DOI: 10.1021/cm103087p)
202. **Synthesis, Structure, and Reactivity of a Pyridine-Stabilized Germanone**
S. Yao, Y. Xiong, W. Wang, M. Driess*
Chem. Eur. J. **2011**, 17, Issue 17, 4890-4895 (DOI: 10.1002/chem.201003409)
203. **Raman and Photoluminescence Spectroscopic Detection of Surface-Bound Li^+O_2^- Defect Sites in Li-Doped ZnO Nanocrystals Derived from Molecular Precursors**
R. Kirste*, Y. Aksu, M. R. Wagner, S. Khachadorian, S. Jana, M. Driess, C. Thomsen, A. Hoffmann
ChemPhysChem **2011**, 12, Issue 6, 1189-1195 (DOI: 10.1002/cphc.201000852)
204. **An Ylide-like Phosphasilene and Striking Formation of a 4π -Electron, Resonance-Stabilized 2,4-Disila-1,3-diphosphacyclobutadiene**
S. Inoue*, W. Wang, C. Präsang, M. Asay, E. Irran, M. Driess*
J. Am. Chem. Soc. **2011**, 133, Issue 9, 2868-2871 (DOI: 10.1021/ja200462y)

205. **N-Heterocyclic Carbene Analogues with Low-Valent Group 13 and Group 14 Elements: Syntheses, Structures, and Reactivities of a New Generation of Multitalented Ligands**
M. Asay, C. Jones*, M. Driess*
Chem. Rev. **2011**, *111*, No. 2, 354-396 (DOI: 10.1021/cr100216y)
206. **Parent Heavy Methylenes: Chemical Tricks to Access Isolable Complexes of Elusive H₂E:Species (E=Ge and Sn)**
S. Inoue, M. Driess
Angew. Chem. Int. Ed. **2011**, *50*, Issue 25, 5614-5615 (DOI: 10.1002/anie.201101812)
207. **Low-Valent Molybdenum-Based Dual Pre-Catalysts for Highly Efficient Catalytic Epoxidation of Alkenes and Deoxygenation of Sulfoxides**
S. Krackl, A. Company, S. Enthaler*, M. Driess*
ChemCatChem **2011**, *Vol. 3*, Issue 7, 1186-1192 (DOI: 10.1002/cctc.201100007)