

Publikationsliste

Beiträge in wissenschaftlichen Zeitschriften:

“New Liquid Crystalline Phases with Layerlike Organization”, M. Prehm, X. H. Cheng, S. Diele, M. K. Das, C. Tschierske, *J. Am. Chem. Soc.* **2002**, *124*, 12072-12073.

“Correlated Layer Structures: A Novel Type of Liquid Crystalline Phase with 2D-Lattice”, M. Prehm, S. Diele, M. K. Das, C. Tschierske, *J. Am. Chem. Soc.* **2003**, *125*, 614-615.

“Calamitic Bolaamphiphiles with (Semi)Perfluorinated Lateral Chains: Polyphilic Block Molecules with New Liquid Crystalline Phase Structures”, X. Cheng, M. Prehm, M. K. Das, J. Kain, U. Baumeister, S. Diele, D. Leine, A. Blume, C. Tschierske, *J. Am. Chem. Soc.* **2003**, *125*, 10977-10996.

“Twist Elasticity and Anchoring in a Lamellar Nematic Phase”, N. M. Patel, M. R. Dodge, M. H. Zhu, R. G. Petschek, C. Rosenblatt, M. Prehm, C. Tschierske, *Phys. Rev. Lett.*, **2004**, *92*, 155011-155014.

“Possible structures for the lamellar-isotropic (Lam-I) and lamellar-nematic (Lam-N) liquid crystalline phases”, N. M. Patel, I. M. Syed, C. Rosenblatt, M. Prehm, C. Tschierske, *Liqu. Cryst.* **2005**, *32*, 55-61.

“End functionalised liquid crystalline bent-core molecules and first DAB derived dendrimers with banana shaped mesogenic units”, D. Kardas, M. Prehm, U. Baumeister, D. Pocięcha, R. A. Reddy, G. H. Mehl, C. Tschierske, *J. Mater. Chem.* **2005**, *15*, 1722-1733.

Vorträge und Posterpräsentationen:

“Synthesis and Characteristics of Novel Bolaamphiphilic Molecules with Lateral Semi-fluorinated chains”, M. Prehm, M. K. Das, S. Diele, C. Tschierske; *Vortrag 4, Super Molecular Liquid Crystal Dendrimers, Network Meeting*, Strasbourg (France), **2003**, 22.-26. Januar.

“Synthesis and Characterisation of Novel Bolaamphiphilic Molecules with Lateral Semiperfluorinated Chains”, M. Prehm, M. K. Das, S. Diele, C. Tschierske; *Poster P93, 7th European Conference on Liquid Crystals*, Jaca (Spain), **2003**, 06.-11. April.

“Novel Bolaamphiphilic Blockmolecules – The Influence of Branched Lateral Chains”, M. Prehm, U. Baumeister, S. Diele, C. Tschierske; *Poster Syn-P022, 20th International Liquid Crystal Conference*, Ljubljana (Slovenia), **2004**, 04.-09. Juli.

“Bolaamphiphilic tri- and tetrablockmolecules”, M. Prehm, U. Baumeister, S. Diele, X. Zeng, G. Ungar, C. Tschierske; *Vortrag im Rahmen des Graduiertenkollegs Nr. 894/1 (Self-Organisation by Coordinative and Non-Covalent Interactions)*, Freyburg (Unstrut), **2006**, 21.-24. Februar.

“Complex Mesophase Structures of Lateral Substituted Bolaamphiphilic Blockmolecules”, M. Prehm, U. Baumeister, S. Diele, X. Zeng, G. Ungar, C. Tschierske; *Poster P-9, 34. Arbeitstagung Flüssigkristalle*, Freiburg, **2006**, 29.-31. März.