

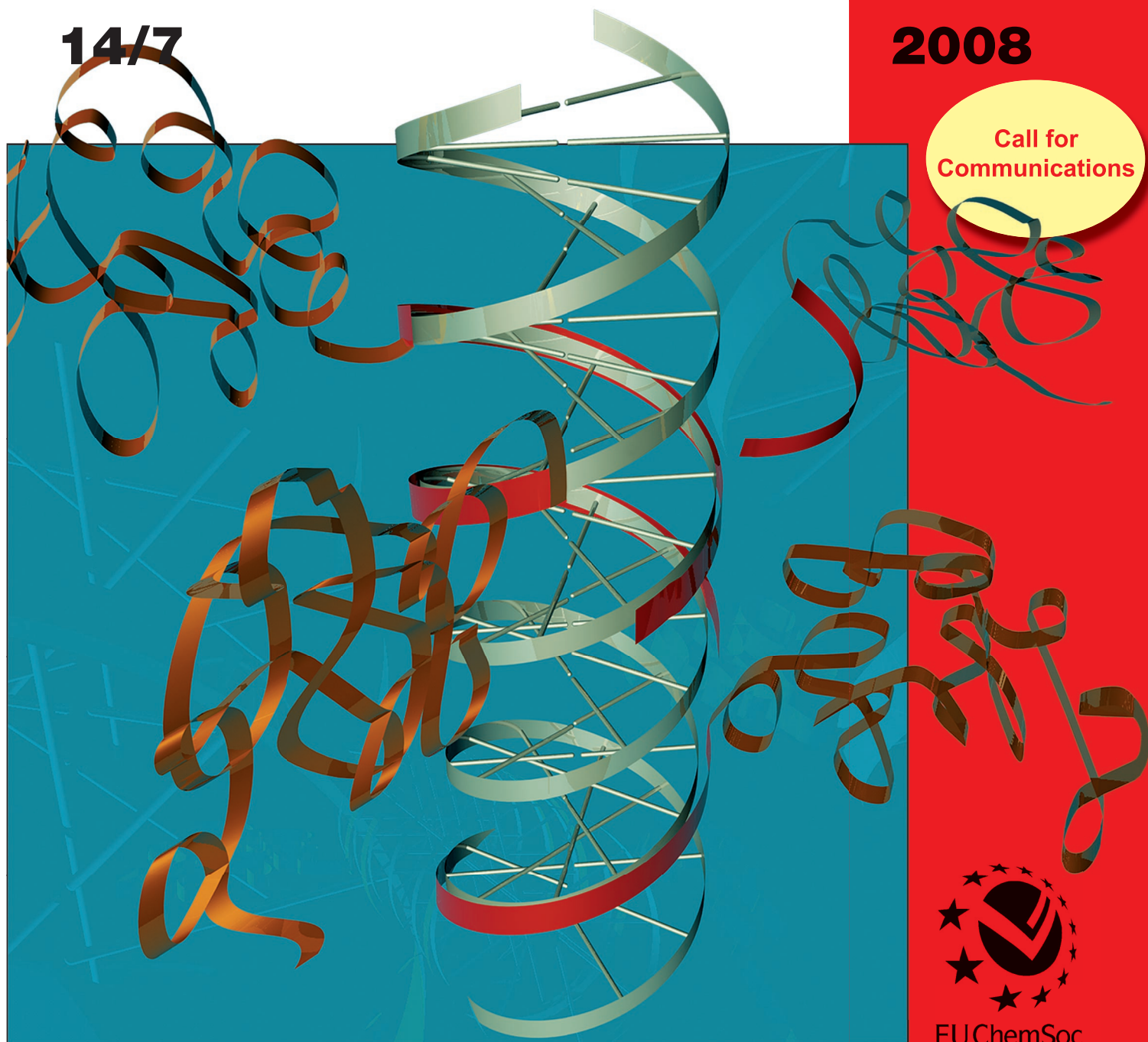
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Concept

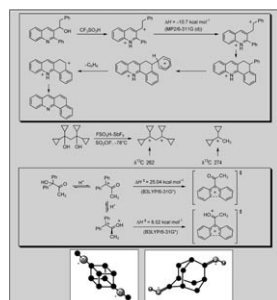
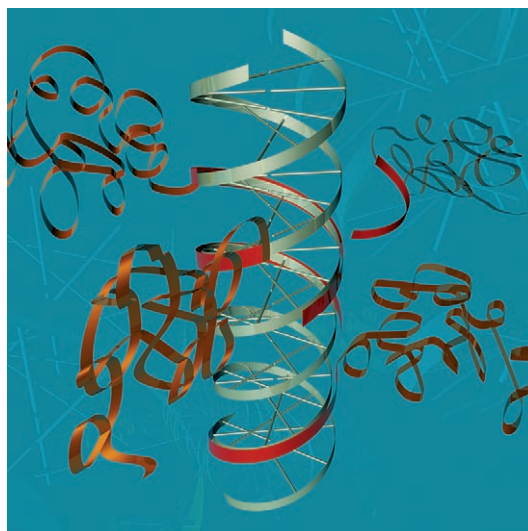
Superelectrophiles: Charge–Charge Repulsive Effects
D. A. Klumpp

 WILEY-VCH



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... is described by H. G. Börner et al. in their Full paper on page 2025 ff. They developed a platform of monodisperse poly-(amidoamine)s (PAA)s to mimic natural packing tools for DNA. A set of tailor-made PEO-PAA conjugates was synthesized and complexation properties with DNA were studied.

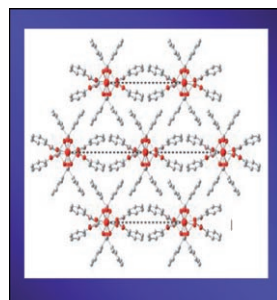
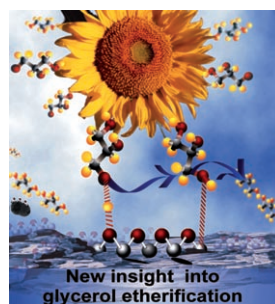


Superelectrophiles

In his Concepts article on page 2004 ff., D. A. Klumpp describes a number of trends of superelectrophiles which are revealed by charge-charge repulsion. This repulsion can lead to novel molecular rearrangements, profoundly influence reactivities, and may significantly effect molecular structure.

Glycerol Etherification

In their Full Paper on page 2016 ff., B. M. Weckhuysen et al. describe how glycerol etherification over alkaline earth metal oxide based catalysts is controlled by both their surface basicity and Lewis acidity. In addition, it was found that depending on the preparation conditions CaO could give rise to the generation of colloidal particles. These colloids possess, after isolation from the reaction medium, a very high etherification activity.



Coordination Polymers

In their Full Paper on page 2034 ff., L. Ouahab et al. describe the synthesis of homo- and heterometallic one-dimensional coordination polymers by an in-situ ligand-generation route. Carboxylato-based complexes of Co, Mn, and Zn were characterized. For the cobalt complexes, magnetic studies reveal single-chain magnet behavior.

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