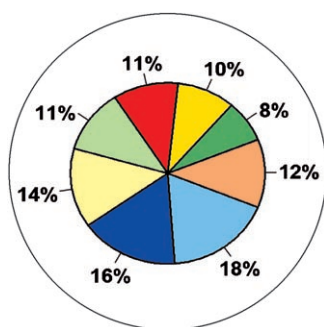
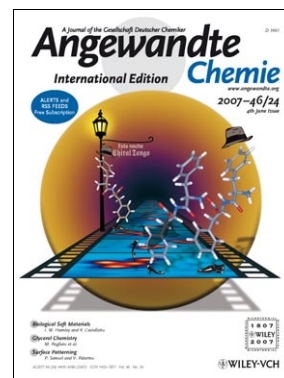


Cover Picture

**Magalí Lingenfelder,* Giulia Tomba, Giovanni Costantini,
Lucio Colombi Ciacchi, Alessandro De Vita, and Klaus Kern**

As for a couple of tango dancers, mutual conformational changes in homochiral pairs of molecules (in foreground) induce an optimal fit during interaction, but in order not to be lonely (molecule in background) a partner of appropriate chirality must be found. As described in the Communication on page 4492 ff., M. Lingenfelder and co-workers have followed the chiral recognition and discrimination among individual dipeptides with STM movies and have rationalized the process using first-principles and classical molecular-dynamics simulations.

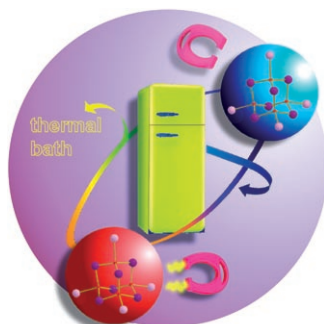
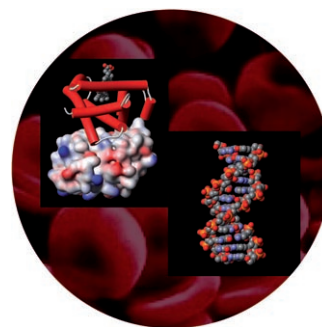


Glycerol Chemistry

As a by-product of biodiesel production, glycerol now plays a new role in the chemical industry. M. Pagliaro et al. present possible uses for the surplus glycerol in their Minireview on page 4434 ff.

Biological Soft Materials

In their Review on page 4442 ff., I. W. Hamley and V. Castelletto discuss the development of soft materials containing biological moieties and consider the potential applications of such materials.



Magnetic Materials

The magnetocaloric properties of a ferromagnetic high-spin {Mn₁₀} cluster are described by M. Evangelisti, E. K. Brechin, and co-workers in their Communication on page 4456 ff. The cluster could potentially be used for magnetic refrigeration.