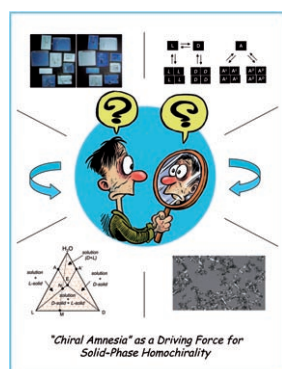
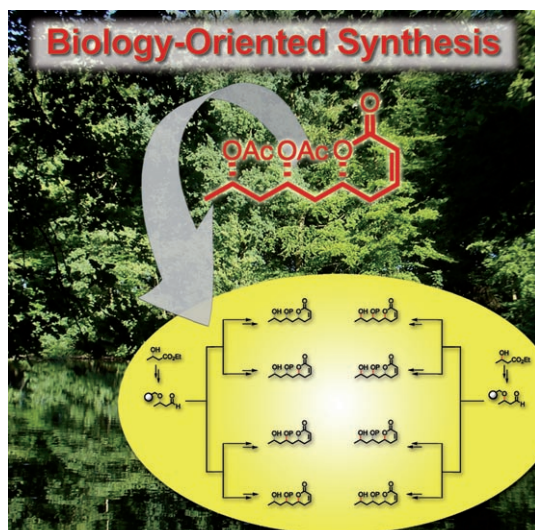


α,β -Unsaturated δ -lactones...

... with multiply oxygenated side chains are a substructure found in a group of natural products with a broad range of biological activity. In their Full Paper on page 3305 ff., H. Waldmann et al. describe the parallel synthesis of all eight diastereomers of cryptocarya diacetate by asymmetric allylation reactions on a solid support with chiral allylboranes.

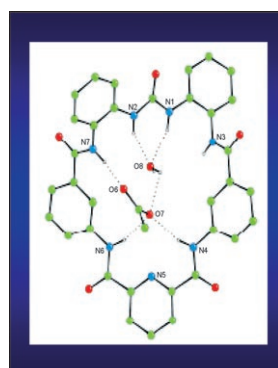
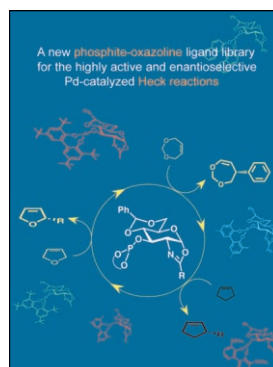


Chiral Amnesia

In her Concept article on page 3290 ff., D. G. Blackmond introduces the term “chiral amnesia” as a more appropriate molecular-level description than “chiral recognition” to describe the driving force for establishing solid-phase homochirality in the case of achiral molecules that form chiral solids as well as in the case of rapidly racemizing enantiomers.

Heck Reaction

In their full paper on page 3296 ff., M. Diéguez, O. Pàmies, and Y. Mata describe the synthesis and application of a library of readily available phosphite–oxazoline ligands in Pd-catalysed asymmetric Heck reactions of several substrates and triflates under thermal and microwave conditions. These ligands have the advantage that they are easily prepared in a few steps from commercial D-glucosamine as an inexpensive natural chiral source.



Macrocycles

In their Full Paper on page 3320 ff., P. A. Gale et al. discuss the anion-binding properties of two new hybrid amide/urea macrocycles. These results show that a single change in a macrocyclic framework can result not only in significantly improved anion selectivity, but also in improved stability.

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