

A Journal of the Gesellschaft Deutscher Chemiker

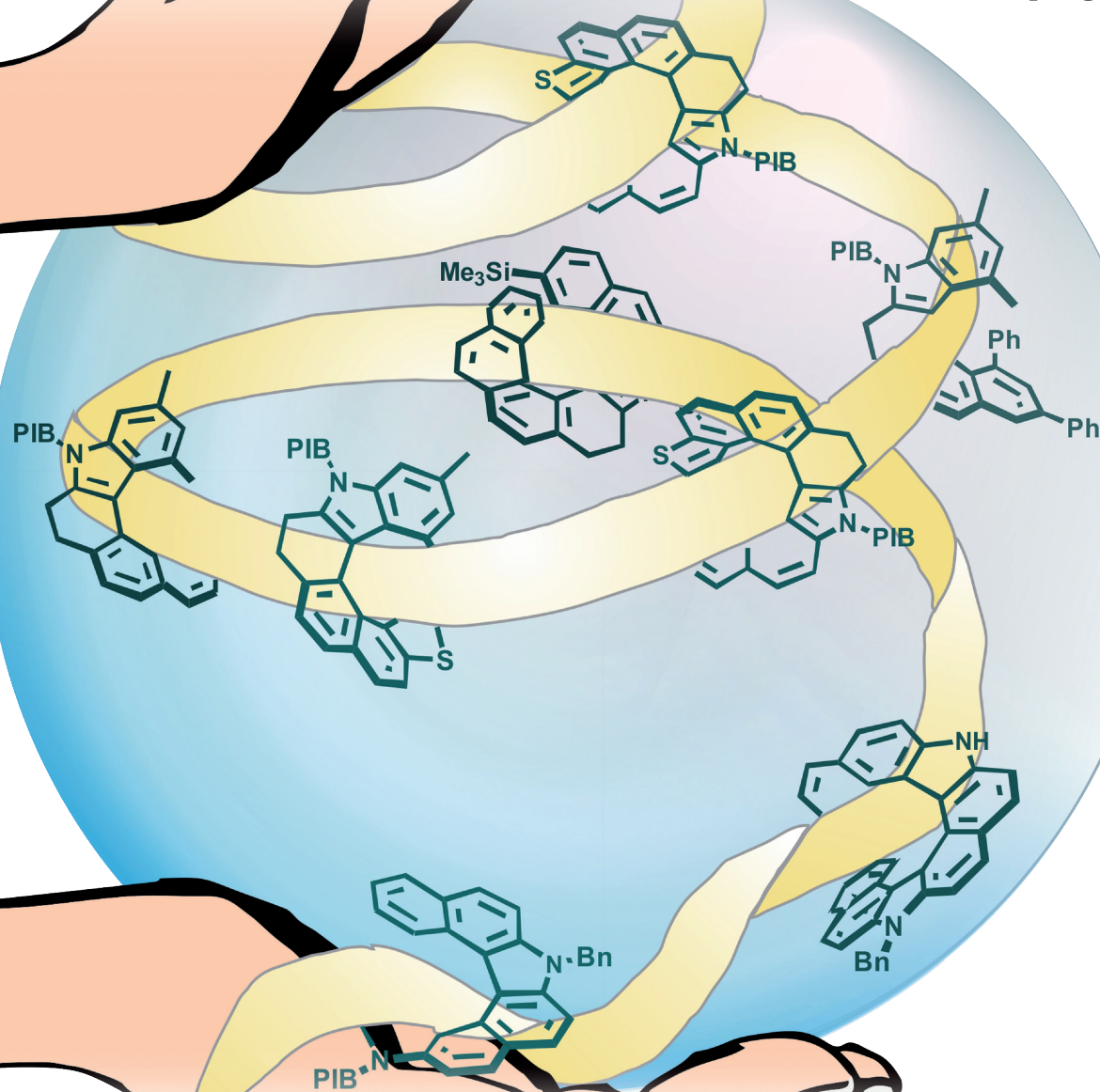
Angewandte Chemie

GDCh

International Edition

www.angewandte.org

2014–53/20



The asymmetric synthesis of helicenes ...

... by a Fischer indolization catalyzed by a SPINOL-derived phosphoric acid is reported by B. List et al. in their Communication on page 5202 ff. The catalyst is designed for long-range control and bears extended π -surfaces at the 3,3'-position. It creates a chiral nanometer-sized pocket, which enables π - π stacking interactions between the substituents and the reactive intermediate. A variety of (di)azahelicenes were obtained with good to excellent yields and enantioselectivities.

WILEY-VCH