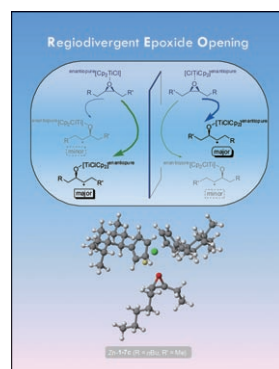
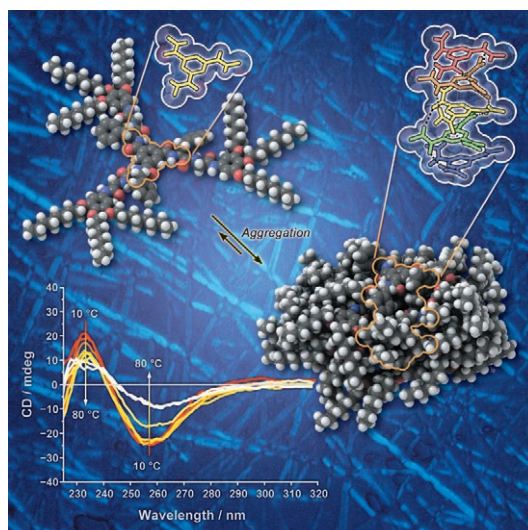


A library...

... of C_3 -symmetrical molecules consisting of a 1,3,5-benzenetricarboxamide core extended by dipeptide fragments, which bear peripheral mesogenic groups, have been synthesized. The self-assembling properties of the resulting compounds are reported by E. W. Meijer et al. in their Full Paper on page 8111 ff. Subtle modifications in the dipeptide motifs strongly influence the stability and the order within the self-assemblies, which makes it possible to tune the stacking properties.

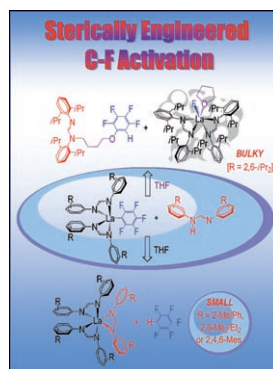


Accessing Enantioselectivity

In their Concept article on page 8084 ff., A. Gansäuer et al. describe their titanocene-catalyzed radical regiodivergent epoxide opening (REO) approach to address the fact that highly REOs have been notoriously difficult to realize by means of S_N2 mechanisms. The issue is discussed by decoupling epoxide opening and radical trapping and is firmly based on a mechanistic study of the reductive epoxide opening.

Lanthanoid Chemistry

In their Full Paper on page 8092 ff., P. C. Junk et al. describe how N,N' -bis(aryl)formamidinates provide a range of sterically tunable cyclopentadienyl replacement ligands for Ln^{3+} ions. The parent N,N' -bis(aryl)formamidines (Form) can alter the outcome of redox transmetalation/ligand exchange syntheses by variation of their bulkiness, which gives either $[Ln(\text{Form})_3(\text{thf})_n]$ or $[Ln(\text{Form})_2\text{F}(\text{thf})]$ complexes.



Molecular Dynamics

In their Full Paper on page 8139 ff., N. Metzler-Nolte et al. describe the first molecular dynamics simulation of organometallic peptide conjugates as hydrogenase mimics for potential use in alternative energy production.



GERMANY	NETHERLANDS
BELGIUM	ITALY
FRANCE	SPAIN
PORTUGAL	GREECE
CZECH REPUBLIC	POLAND
SWEDEN	HUNGARY
AUSTRIA	EU ChemSoc

Supported by
ACES

Chemistry—A European Journal is jointly owned by the 14 Chemical Societies shown above and published by Wiley-VCH. This group of Societies has banded together as the Editorial Union of Chemical Societies (EU ChemSoc) for its combined publishing activities. The journal is also supported by the Asian Chemical Editorial Society (ACES).