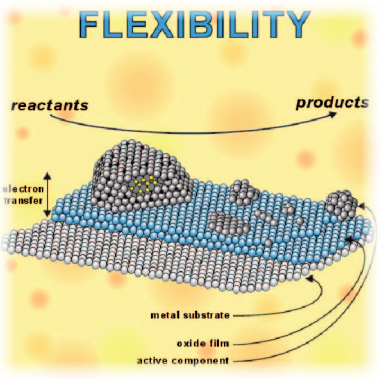
CHEMISTRY

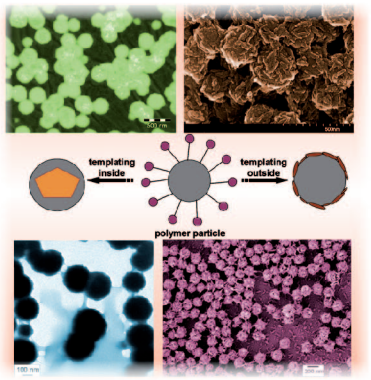
A EUROPEAN JOURNAL

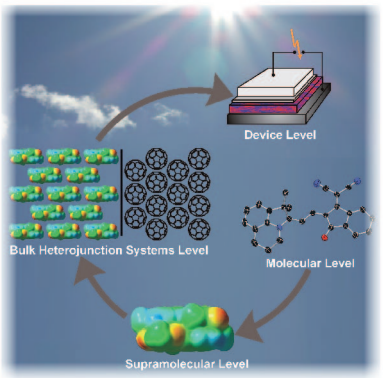
16/31

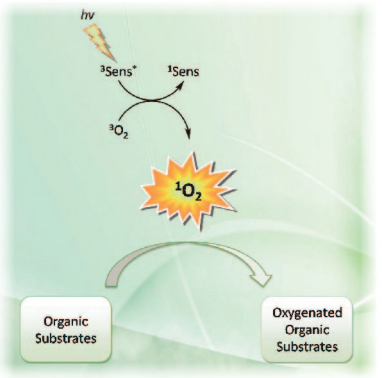
2010

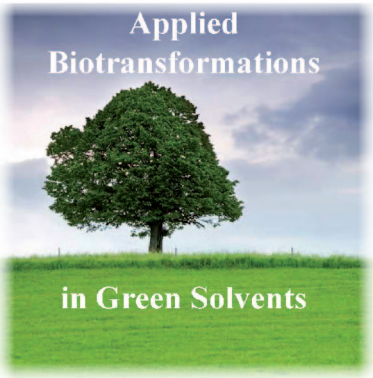
3rd EuCheMS Chemistry Congress

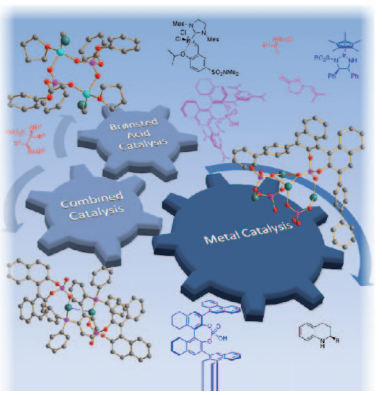


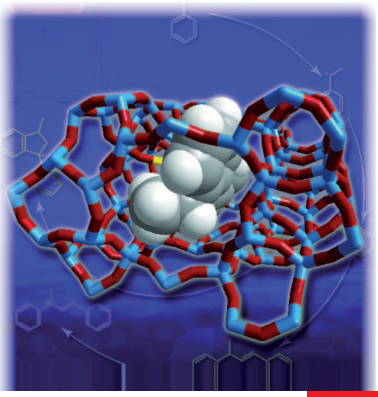












A Journal of

ChemPubSoc Europe

Conference Issue

Selected articles from speakers attending
the 3rd European Chemistry Congress,
29 August–2 September 2010, Nürnberg (Germany)

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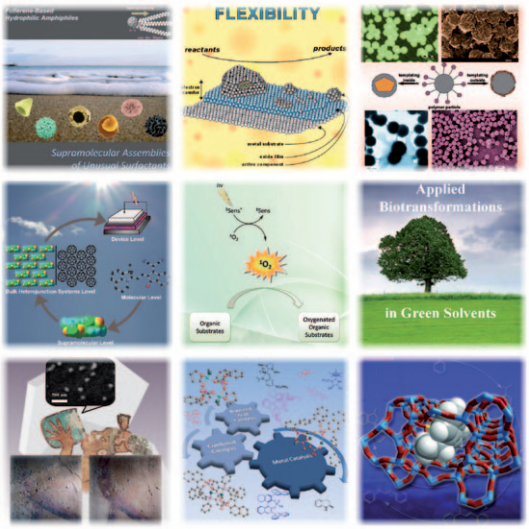
The cover picture shows…

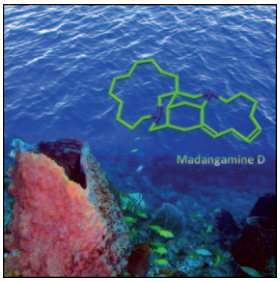


… the frontispieces of the Concept, Review, and Minireview articles published in this issue, highlighting the diverse range of chemistry that will be covered at the 3rd European Chemistry Congress in Nürnberg. They represent five of the seven main symposium topics: Innovative Materials, Catalysis, Molecular Life Sciences, Analysis, Manipulation and Simulation, and Advances in Organic and Inorganic Chemistry. In the top row from left to right: H. Möhwald, T. Nakanishi et al. (page 9330 ff.), H.-J. Freund (page 9384 ff.), and K. Landfester and A. Ethirajan (page 9398 ff.). In the middle row from left to right: F. Würthner and K. Meerholz (page 9366 ff), M. Orfanopoulos and M. N. Alberti (page 9414 ff), and J. V. Sinisterra et al. (page 9422 ff.). In the bottom row from left to right: P. Baglioni et al. (page 9374 ff), M. Rueping et al. (page 9350 ff.), and Bert Weckhuysen et al. (page 9340 ff.) (Cover designed by Heulwen M. M. Price).

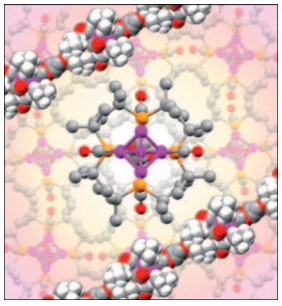
3rd EuCheMS Chemistry Congress

This issue of *Chemistry—A European Journal* contains papers from a selection of the speakers attending the 3rd European Chemistry Congress in Nürnberg.

Madangamine Precursors



For the first time, the diazatricyclic core common to all madangamines has been enantioselectively assembled, as described in the Communication by M. Amat, J. Bosch et al. on page 9438 ff. This represents a significant breakthrough in the total synthesis of these natural products. The key steps involve a stereoselective conjugate addition, ring-closing metathesis, stereoselective generation of the C-9 stereocenter, and closure of the piperidine A ring by aminohydroxylation.



Cluster Compounds

In their Full Paper on page 9468 ff. P. Leoni et al. have been able to show that a sterically bulky hexanuclear platinum dihydride $\{Pt_6\}H_2$ ($\{Pt_6\}=Pt_6(\mu\text{-}P\textit{t}Bu_2)(CO)_4$) reacts with Brønsted acids (HA), to give, after H_2 evolution, anion-bound derivatives $\{Pt_6\}A_2$. These give the reverse heterolytic splitting of H_2 under mild conditions and may easily activate other HA bonds.