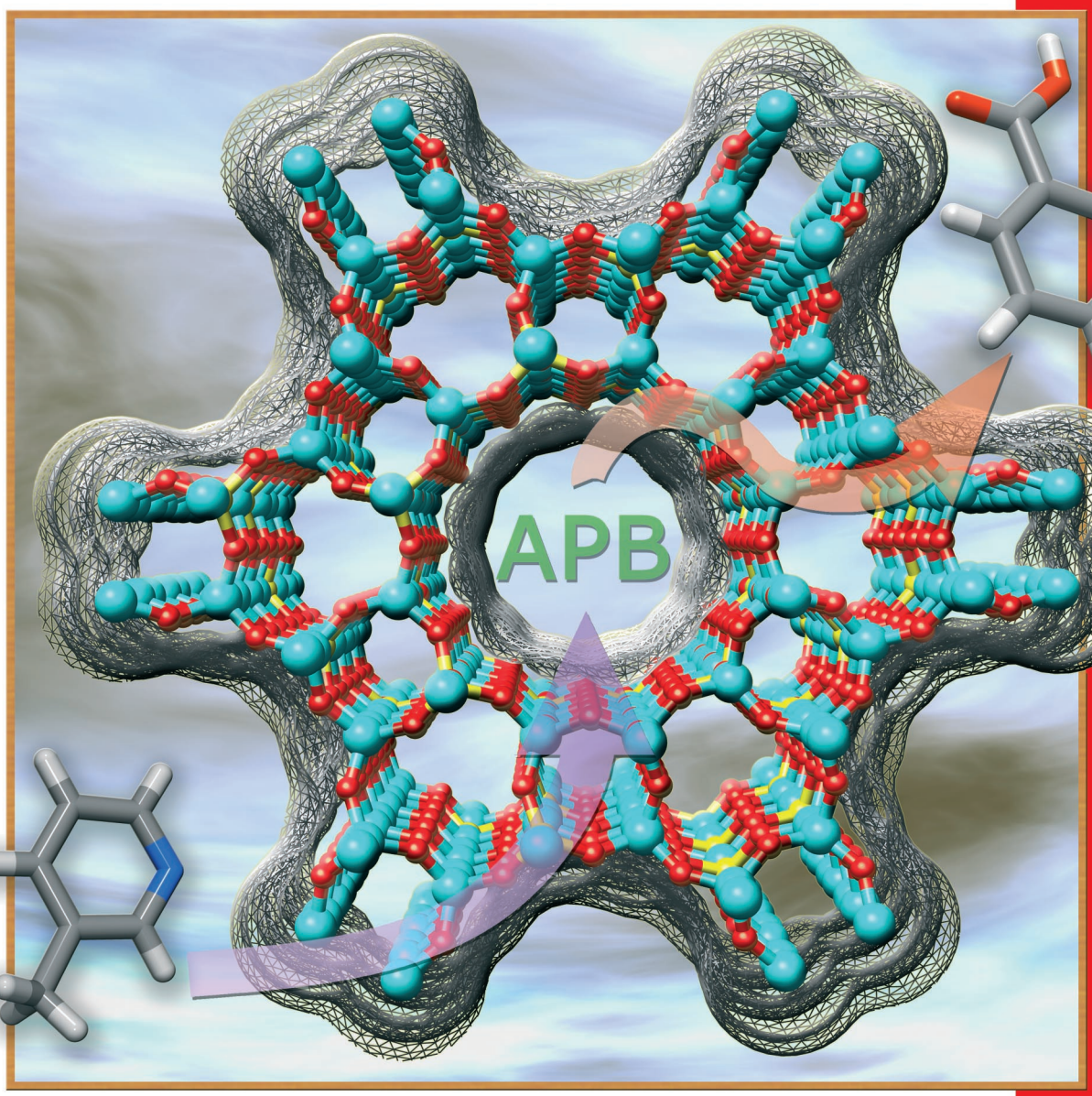
CHEMISTRY

A EUROPEAN JOURNAL

14/8 2008



Call for Communications

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Concept

$(Me_3Si)_3SiH$: Twenty Years after Its Discovery as a Radical-Based Reducing Agent

C. Chatgilialoglu

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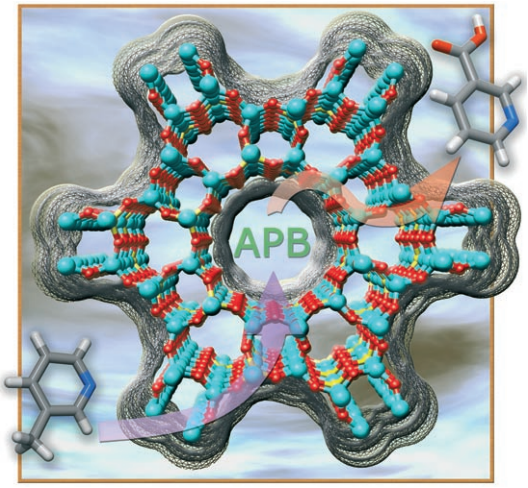
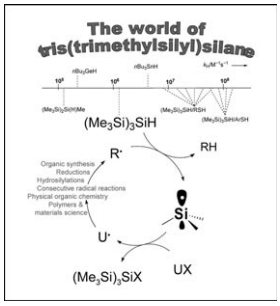
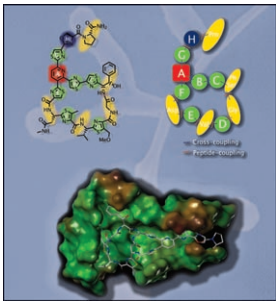
… green production of Niacin is reported by R. Raja, J. M. Thomas et al. on page 2340 ff. The compound, which is used for the preparation of Vitamin B_3, is obtained in a single-step, solvent-free, and environmentally benign manner with a solid source of active oxygen.

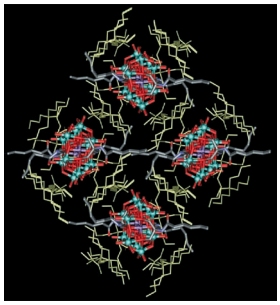




Reducing Agents
In his Concepts article on page 2310 ff., C. Chatgilialoglu describes the flexibility and applicability of $(Me_3Si)_3SiH$ in several synthetic transformations, such as radical reductions, consecutive radical reactions, and hydrosilylation.



Antibiotic Thiazolylpeptides
In their Full Paper on page 2322 ff., T. Bach et al. describe the synthesis of the potent antibiotic thiazolylpeptide GE2270 A using a modular assembly of the individual thiazole fragments to the pyridine core to yield the compound in 4.8% over 20 steps.



Polyoxometalate Hybrid Assemblies
In their Full Paper on page 2349 ff., L. Cronin et al. describe the design of polyoxometalate nanoscale hybrid assemblies comprising a core shell hydrophilic–hydrophobic structure. The synthesis has been achieved by covalently tethering alkyl chains (C_6, C_{16} and C_{18}) to a Mn-Anderson cluster core producing a surface-grafted cluster architecture.