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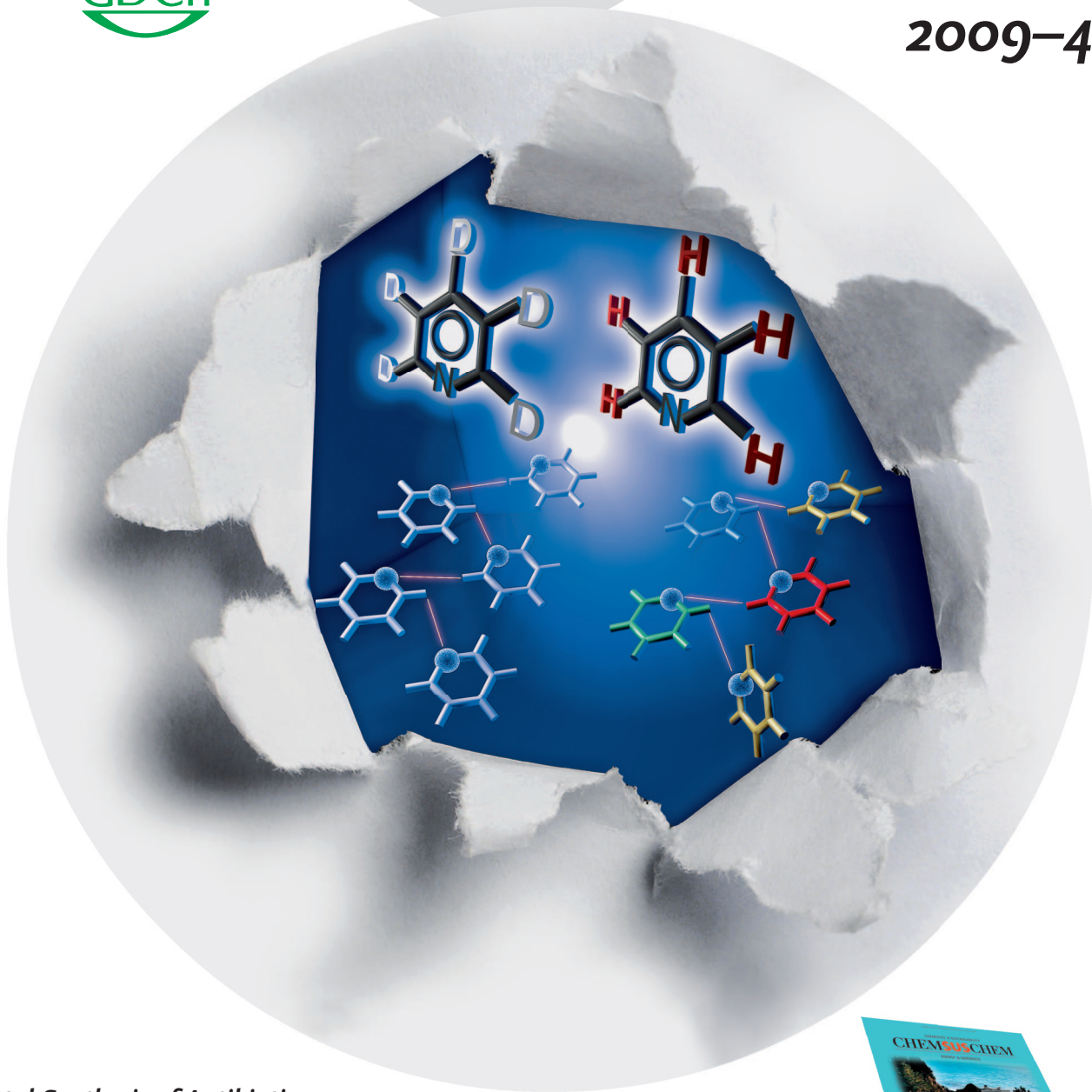
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Total Synthesis of Antibiotics

K. C. Nicolaou et al.

Coordination Polymers

W. Lin et al.

Catalyzed Propargylic Substitution

N. Kann and N. Ljungdahl

Asymmetric Michael Addition

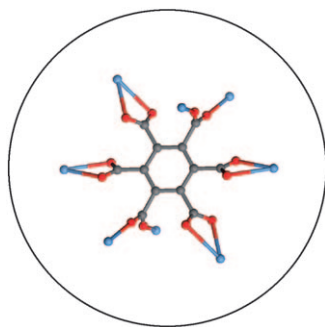
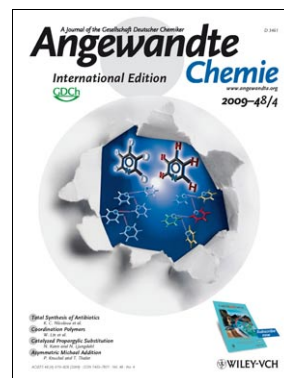
P. Knochel and T. Thaler



Cover Picture

Stephen Crawford, Michael T. Kirchner, Dieter Bläser, Roland Boese,* William I. F. David, Alice Dawson, Annette Gehrke, Richard M. Ibberson, William G. Marshall, Simon Parsons,* and Osamu Yamamuro

A *low-temperature polymorph* is found to exist for [D₅]pyridine that does not exist for [H₅]pyridine. In their Communication on page 755 ff., R. Boese, S. Parsons, and co-workers report the unusual complexity of the solid-state structures of one of the simplest heteroaromatic molecules. Pyridine shows the unusual property of isotopic polymorphism, which is rare for organic or molecular compounds as isotopic substitution rarely has an effect on the stabilities of crystal structures.

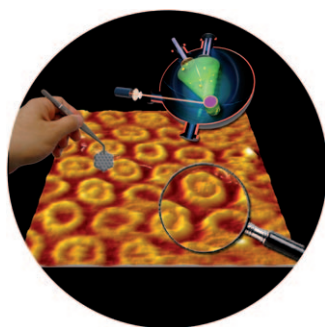


Coordination Polymers

In their Minireview on page 650 ff., W. Lin and co-workers highlight recent developments in the field of nanoscale coordination polymers and the exciting opportunities of developing next-generation functional nanomaterials.

Synthesis of Antibiotics

K. C. Nicolaou and co-workers present in their Review on page 660 ff. highlights of the research carried out in the area of antibiotics since the year 2000, emphasizing the pivotal role of total synthesis.



Host-Guest Systems

A host-guest complex involving a cavity in a giant π -conjugated carbazole macrocycle is described in the Communication on page 720 ff. by K. Müllen et al. The complex was created after the physisorption of a monolayer of macrocycles and subsequent gas-phase deposition of graphene molecules.