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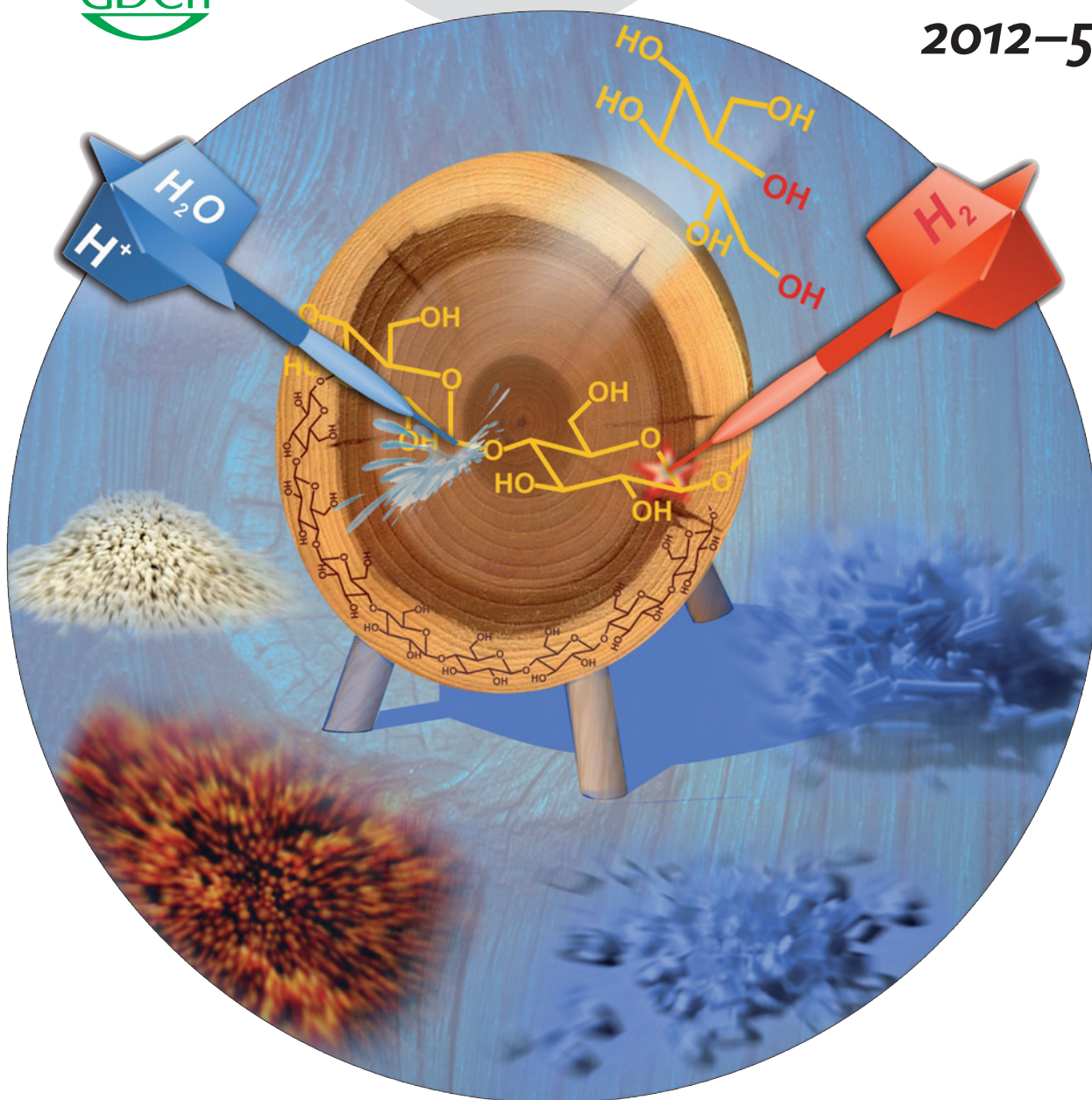
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About the Nonsense of Biofuels

Editorial by H. Michel

Renewable Feedstocks

Review by R. Palkovits et al.

Stereoselective Synthesis

Minireview by M. Braun

Highlights: Molecular Knots • Coffee Rings

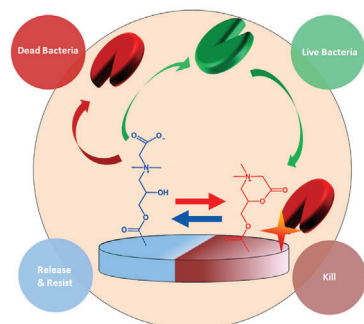
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Cover Picture

Agnieszka M. Ruppert, Kamil Weinberg, and Regina Palkovits*

The hydrogenolysis of renewable feedstocks has the potential to become a bridging technology between the petrochemical industry and future biorefinery concepts. In their Review on page 2564 ff., R. Palkovits et al. highlight developments in this field, with a focus on catalysts for the transformation of mono- and polysaccharides. Various concepts applied in the utilization of glycerol and sugars provide valuable information for the efficient transformation of biopolymers.

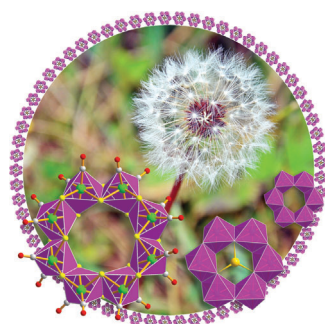
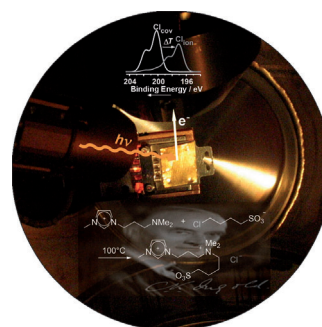


Smart Materials

S. Jiang and co-workers report in their Communication on page 2602 ff. a polymer surface with reversibly switchable states, a cationic and a zwitterionic state, that kills bacteria under dry or releases bacteria under wet conditions.

Ionic Liquids

In their Communication on page 2610 ff., H.-P. Steinrück et al. monitor the nucleophilic substitution of reagents that are attached to ionic liquids by in situ X-ray photoelectron spectroscopy.



Multinuclear Structures

Anderson-type molecular wheels feature six skew-edge-shared octahedra. In their Communication on page 2614 ff., C. M. Che and co-workers show how these wheels can bind Cu^+ or Ag^+ ions or be expanded to octanuclear congeners.