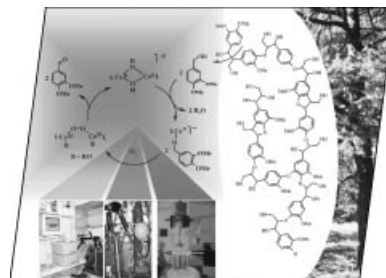


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## COVER PICTURE

The cover picture shows the proposed mechanism of the Co(salen)-catalyzed oxidation of a lignin model compound in water, as elucidated by several in-situ spectroscopic techniques. Catalytic oxygen activation can help to prevent the formation of hazardous side products in organic oxidations, especially if harmless solvents are used. The target in this work is lignin, which is found in wood and must be removed as selectively as possible before paper production. In view of avoiding chlorine as the oxidant, the idea is to catalytically enhance the oxygen delignification stage in the pulp bleaching sequence. Details are discussed in the article by T. Repo, B. M. Weckhuysen et al. on p. 2591 ff.



## MICROREVIEW

### Contents

### 2573 Hong Xue, Jean'ne M. Shreeve\*

Ionic Liquids with Fluorine-Containing Cations

**Keywords:** Ionic liquids / Fluorine / Cations / Quaternization

