

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

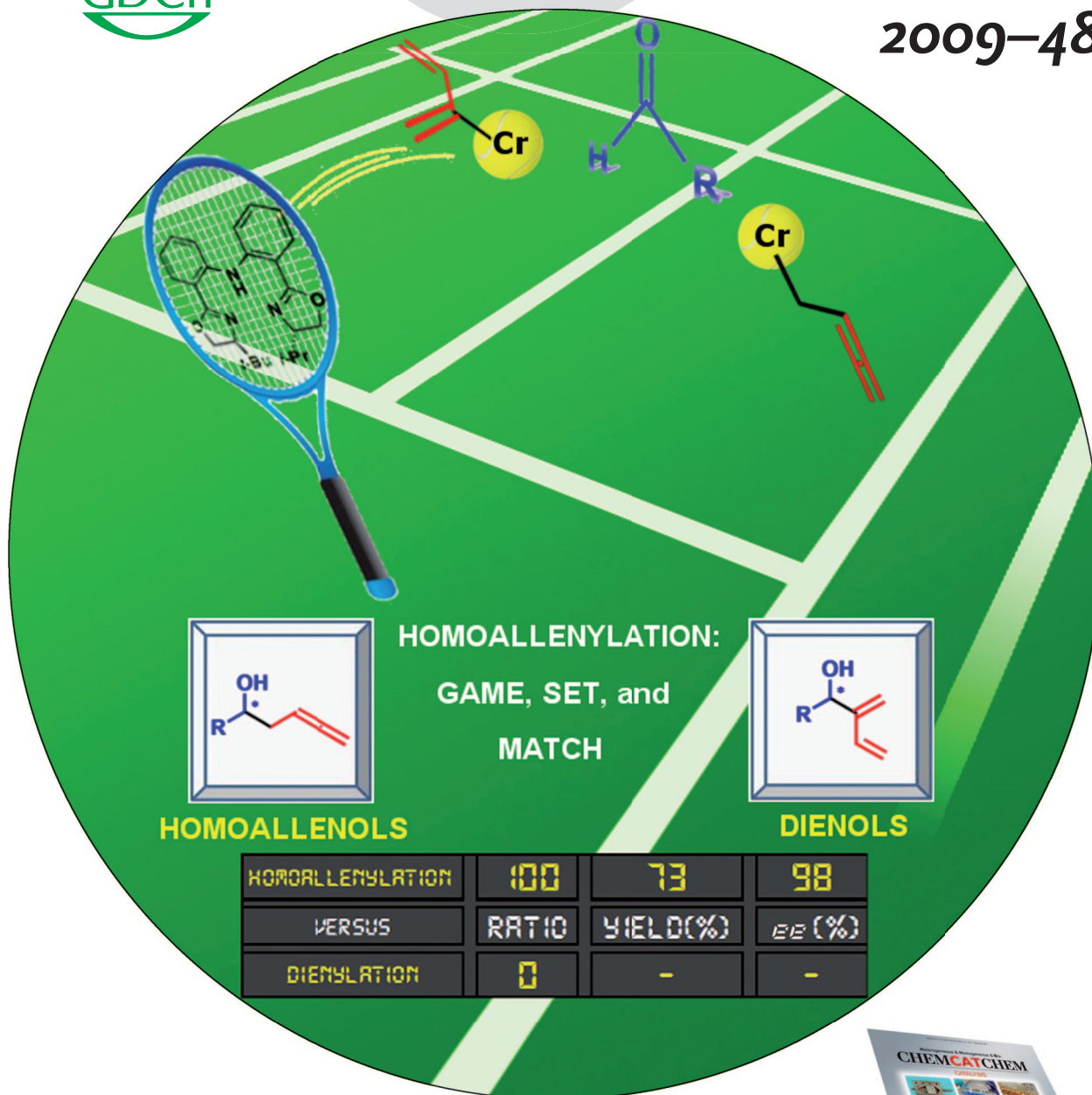
International Edition

D 3461

GDCh

www.angewandte.org

2009–48/48



## Diaryliodonium Salts

E. A. Merritt and B. Olofsson

## The Wacker Reaction

J. A. Keith and P. M. Henry · R. Jira

## Gas-Phase Nucleobases

W. Caminati

## Aziridines

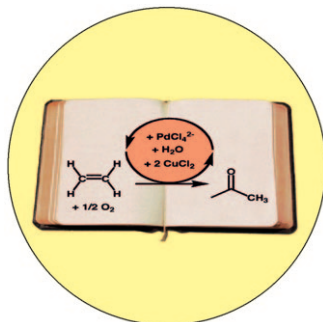
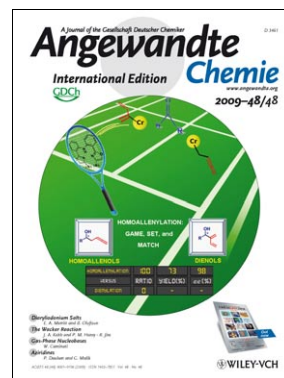
P. Dauban and G. Malik



# Cover Picture

Vincent Coeffard, Miriam Aylward, and Patrick J. Guiry\*

**Serving up an ace!** The first regio- and enantioselective version of a chromium-catalyzed homoallenylation of an aldehyde is described by P. J. Guiry and co-workers in their Communication on page 9152 ff. The non- $C_2$ -symmetric bis(oxazoline) ligand (tennis racket) interacts with the Cr–diene complex (ball), which approaches the aldehyde (net) from the Re face to afford valuable chiral  $\beta$ -allenols. The Cr–homoallene complex remains out of the game!

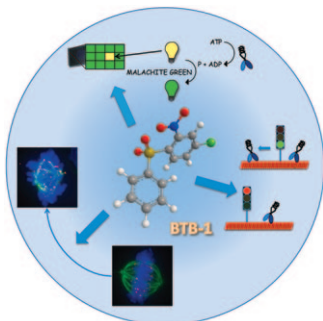
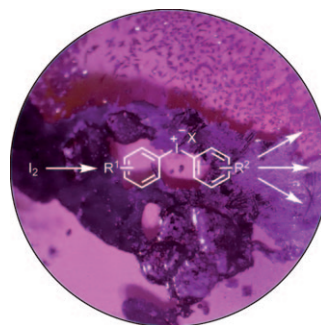


## The Wacker Reaction

Although the Wacker process was developed 50 years ago, it is still not completely understood. In the Essay on page 9034 ff., R. Jira looks back at the events surrounding the first publication of the process; in their Minireview on page 9038 ff., J. A. Keith and P. M. Henry give an updated discussion of the reaction mechanism.

## Diaryliodonium Salts

Recent developments in the synthesis and use of diaryliodonium salts have brought this unregarded class of reagents to the forefront of organic chemistry. The latest research is summarized by B. Olofsson and E. A. Merritt in their Review on page 9052 ff.



## Small-Molecule Inhibitors

BTB-1, the first small-molecule inhibitor of the mitotic motor protein Kif18A, reversibly inhibits the ATPase activity of the recombinant motor domain of Kif18A in vitro, as reported by T. U. Mayer et al. in their Communication on page 9072 ff.