

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

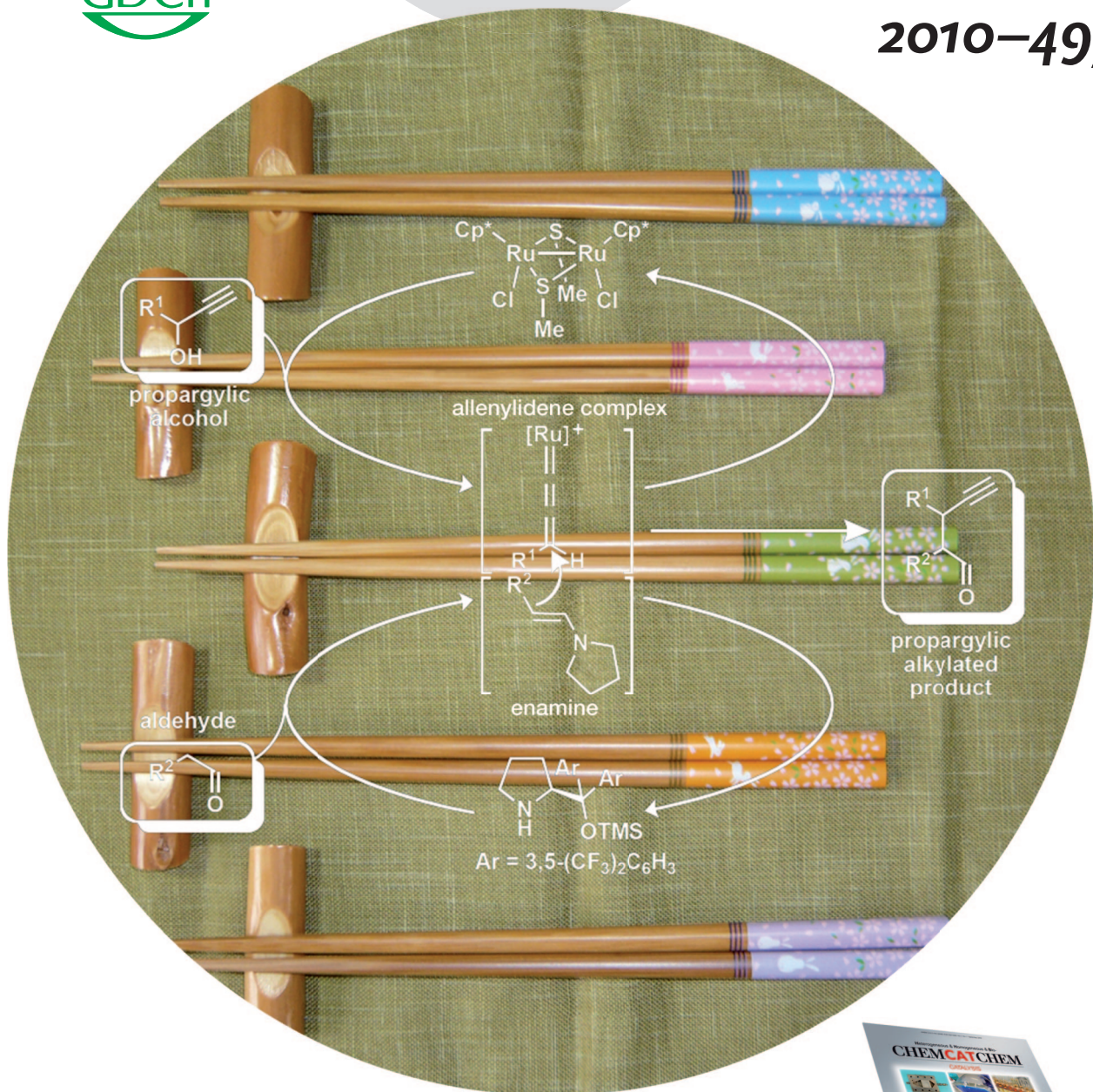
International Edition

D 3461



www.angewandte.org

2010–49/40



## Applications of DNA

S. K. Silverman

## Coordinated Amine–Boranes

S. Sabo-Etienne and G. Alcaraz

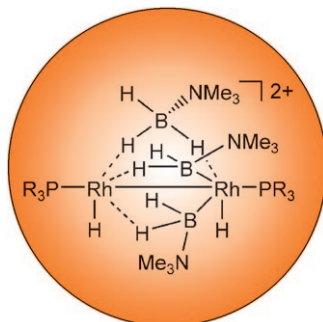
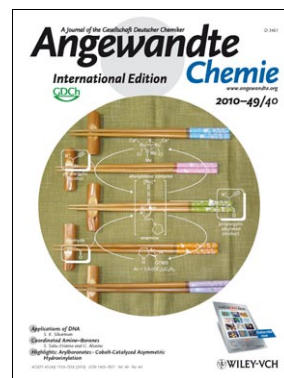
## Highlights: Arylboronates • Cobalt-Catalyzed Asymmetric Hydrovinylation



# Cover Picture

Masahiro Ikeda, Yoshihiro Miyake, and Yoshiaki Nishibayashi\*

A *transition-metal catalyst* and an organocatalyst work cooperatively to mediate the enantioselective propargylic alkylation reaction. This process is described by Y. Nishibayashi and co-workers in their Communication on page 7289 ff. The authors liken the cooperative action of the catalysts to that of chopsticks.

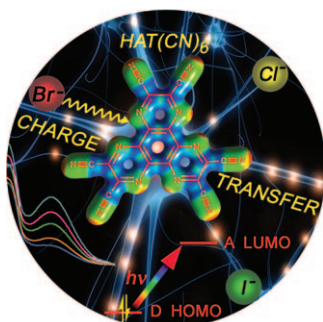
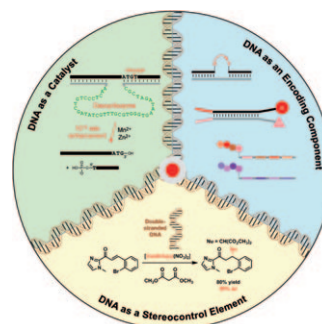


## Coordinated Amine–Boranes

What happens when amine–boranes, such as ammonia–borane, react with coordinatively unsaturated transition-metal complexes? Answers to this question are given in the Minireview by S. Sabo-Etienne and G. Alcaraz on page 7170 ff.

## Applications of DNA

In recent years, chemists have begun to develop DNA for “laboratory” applications in catalysis, encoding, and stereochemical control. Key advances in these three exciting research areas are summarized by S. K. Silverman in his Review on p. 7180 ff.



## Anion Receptors

The exceptional  $\pi$ -electron-acceptor strength of  $\text{HAT}(\text{CN})_6$  renders it an excellent colorimetric anion sensor. As described by K. Dunbar et al. on p. 7202 ff.,  $\text{HAT}(\text{CN})_6$  is a unique case of a  $\pi$ -electron-deficient entity that exhibits concomitant anion– $\pi$  and charge-transfer interactions.