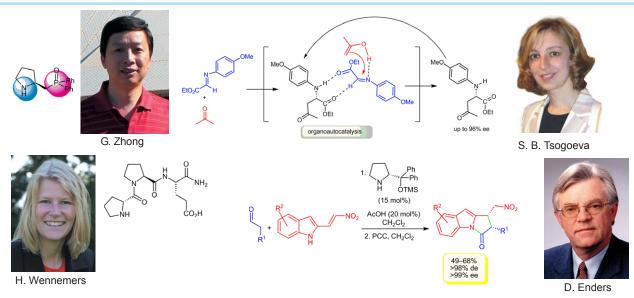
Hisashi Yamamoto Editor The University of Chicago

Benjamin List Co-Editor Max-Planck-Institut für Kohlenforschung Mülheim an der Ruhr, Germany

## Cluster

Proline is one of the most important organocatalysts. The importance of this special molecule is still increasing and we decided to focus on proline and proline-derived catalysts as topics of this Cluster. The introduction by Professor Benjamin List, as one of the founder of this field, is memorable.

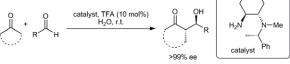
Hisashi Yamamoto

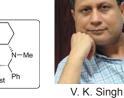




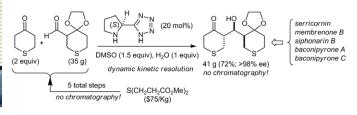
J. Am. Chem. Soc. 2007, 129, 3074.

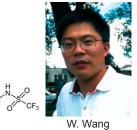
S. Luo







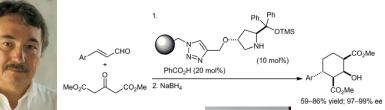


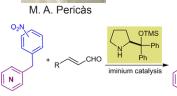




nitro-aryl

pyridyl





unconventional nucleophile activation







diphenylprolinol silyl ether

diarylprolinol

P. Melchiorre