DESCRIPTION

Serving as a user's manual for synthetic organic and catalytic chemists, this book guides chemists in the design and choice of ligands to catalyze organic reactions and apply the results for more efficient, green, and practical synthesis.

- Focuses on the role of ligands in metal complexes that catalyze green organic transformations: a hot topic in the area of organic synthesis and green chemistry
- Offers a comprehensive resource to help readers design and choose ligands and understand selectivity/reactivity characteristics
- Addresses a gap by taking novel ligand approaches and including up-to-date discussion on hydrogen transfers and reactions
- Presents important industrial perspective and provides rational explanations of ligand effects, impacts, and novelty

ABOUT THE AUTHOR

Ryohei Yamaguchi is an Emeritus Professor of Chemistry at Kyoto University, Japan. Previously, he worked as a postdoctoral fellow at University of Minnesota. His research includes the development of selective and catalytic organic reactions by means of metal reagents/complexes directed towards green organic synthesis.
Ken-ichi Fujita is an Associate Professor of Chemistry at Kyoto University, Japan. Previously, he worked as a postdoctoral fellow at Yale University, USA and received the Incentive Award in Synthetic Organic Chemistry, Japan in 2006. His research focuses on the development of new catalytic systems for green organic synthesis.

For additional product details, please visit https://www.wiley.com/en-us