DESCRIPTION

Filling the gap in the market for comprehensive coverage of this hot topic, this timely book covers a wide range of organic transformations, e. g. reductions of unsaturated compounds, oxidation reactions, Friedel-Crafts reactions, hydroamination reactions, depolymerizations, transformations of carbon dioxide, oxidative coupling reactions, as well as C-C, C-N, and C-O bond formation reactions. A chapter on the application of zinc catalysts in total synthesis is also included. With its aim of stimulating further research and discussion in the field, this is a valuable reference for professionals in academia and industry wishing to learn about the latest developments.

ABOUT THE AUTHOR

Stephan Enthaler is the leader of a young researcher’s group in the field of homogeneous catalysis at the Technical University Berlin, Germany. He studied chemistry at the University of Rostock (Germany) and obtained his PhD from the Leibniz-Institute for Catalysis at the University of Rostock under the supervision of Prof. M. Beller. Afterwards he moved to Massachusetts Institute of Technology (MIT, Cambridge, USA) for postdoctoral studies. In 2009, he returned to Germany to the Technical University Berlin to work within the Cluster of Excellence “Unifying Concepts in Catalysis” (UniCat). His research interests are focused on the development of homogeneous catalysts for organic transformations and for chemical recycling of polymers.
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