

Polar Organometallic Reagents

Synthesis, Structure, Properties and Applications

Edited by *Andrew Wheatley & Masanobu Uchiyama*



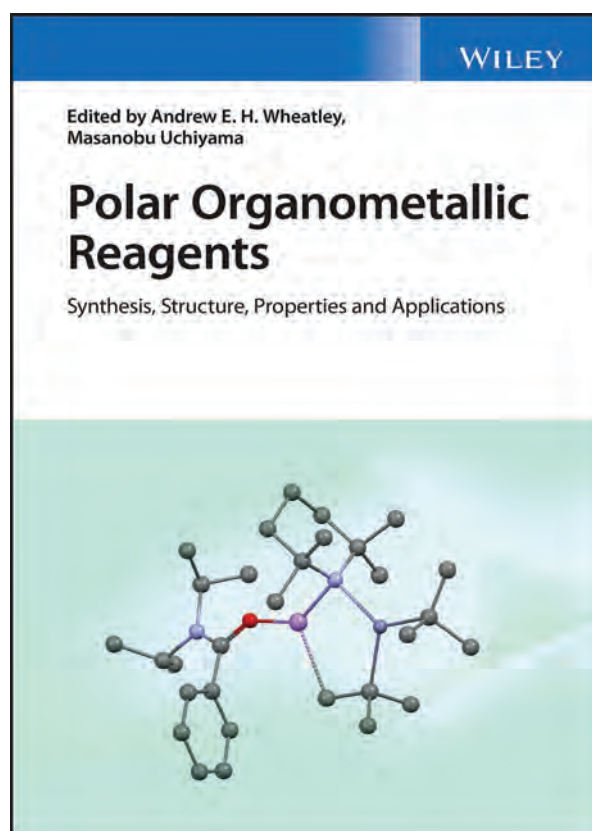
Organic Chemistry

Outlines recent advances in the field of polar organometallic chemistry, particularly in the context of the emergent areas of synergic and cooperative species.

Polar Organometallic Reagents provides a critical overview of developments in the field of modern polar organometallic chemistry. With a focus on the emergent area of synergic heterometallic reagents, this timely volume describes our attempts to understand recently developed polar organometallics and their application in a range of new directions. Contributions from leading researchers present new synthetic work and discuss recent advances in characterization techniques, synthetic applications, and mechanistic understanding of heterometallic complexes

- Includes an introductory chapter outlining the development of synergic bases and the logic behind their creation
- Highlights the role of solid-state structural work in elucidating the bonding and reactivity displayed by modern polar organometallics
- Examines the use of calculations in catalyst design and plotting more sustainable reaction pathways
- Discusses modern trends in solution techniques that have achieved new insights into the structures of active species
- Presents striking advances in the ease of handling of polar organometallics and the emergence of main group catalysis

Polar Organometallic Reagents is essential reading for researchers in chemical disciplines including synthetic inorganic and coordination chemistry, main group chemistry, organometallic chemistry, organic synthesis and catalysis.



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THE EDITORS

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Synthesis, Structure, Properties and Applications

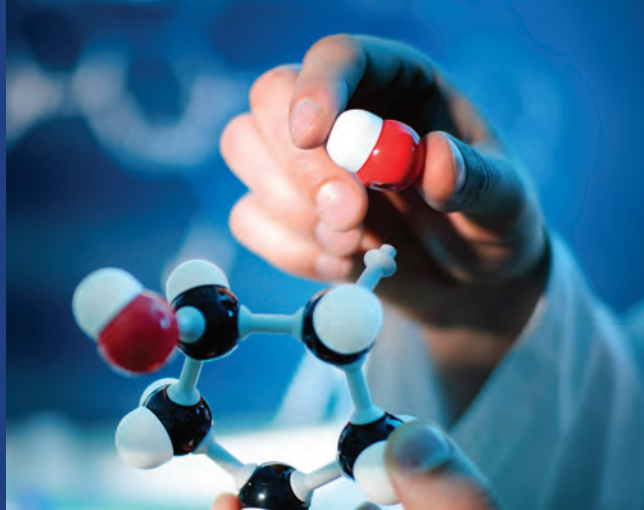


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