



有機合成におけるキラルルイス酸 Chiral Lewis Acids in Organic Synthesis

Edited by **Jacek Mlynarski**

2017年7月出版 2017, ハードバック 400頁 D205 ¥31,100.
ISBN 9783527341290

内容

A complete overview covering the application of metal-based chiral Lewis acids from all parts of the periodic table, the Author emphasizes the most recent contributions to the field as well as prominent direction of development.

The book discusses the design of chiral complexes as well as a wide spectrum of reactions promoted by various chiral Lewis acids, including water-compatible acids as well as the most important applications in the chemical and pharmaceutical industries.

A must-have for catalytic and organic chemists working in the field, both in academia and industry, as well as pharmaceutical and medicinal chemists.

目次

- 1 Alkaline-Earth Metal-Based Chiral Lewis Acids 1
- 2 Titanium-Based Chiral Lewis Acids 27
- 3 Iron-based Chiral Lewis Acids 59
- 4 Copper-based Chiral Lewis Acids 103
- 5 Zinc-based Chiral Lewis Acids 137
- 6 From Noble Metals to Fe-, Co-, and Ni-based Catalysts: The Asymmetric Reductions as a Case Study
- 7 Chiral Complexes with Carbophilic Lewis Acids Based on Copper, Silver, and Gold 223
- 8 Chiral Lanthanide Complexes in Organic Synthesis 261
- 9 Water-compatible Chiral Lewis Acids 299
- 10 Cooperative Lewis Acids and Aminocatalysis 345

著編者

Jacek Mlynarski is

a Professor of Organic Chemistry and Group Leader at the Jagiellonian University of Krakow (Poland). He also studied chemistry at the Jagiellonian University in Krakow and received his Ph.D. (2000) from the Institute of Organic Chemistry of the Polish Academy of Sciences. In 2001 he obtained a research fellowship from the Alexander von Humboldt Foundation and worked with Prof. Alois Fürstner at the Max Planck Institute for Coal Research (Germany). Upon returning to Poland in 2002, he first obtained an academic position at the Institute of Organic Chemistry at the Polish Academy of Sciences, before joining his current department in 2008. His scientific interest includes enantioselective synthetic methodology that relies on metal-based and metal-free chiral catalysts.

(Wiley-VCH)

BOOKMAN

ご注文・お問い合わせは下記へお申し込み下さい。

有限会社 **ブックマン**

〒113-0033

東京都文京区本郷3丁目4-8-501

Tel 03-5684-0561 Fax 03-5684-0562

E-Mail: sales@e-bookman.co.jp

ホームページ: <http://e-bookman.co.jp/>

(有)ブックマン

関西・中部東海統括事務所

Tel 052-740-1829

Fax 052-782-4771

chubu@e-bookman.co.jp

kansai@e-bookman.co.jp

広島海外(株)

Tel 082-236-3522

Fax 082-236-3530

books@dear.ne.jp

福岡海外(株)

Tel 092-741-2685

Fax 092-741-8418

fkaigai@lime.ocn.ne.jp