

## CHAPTER OVERVIEW

### 1: Reactions using Chiral Lewis Acids and Brønsted Acid

This module presents the recent developments in chiral Lewis acid and Brønsted acid catalysis, especially the systems having the combination of Lewis acids and Brønsted acids. This combined catalytic system has been useful in asymmetric synthesis over the past 20 years.

[1.1: Brønsted Acid-Assisted Lewis Acid \(BLA\)](#)

[1.2: Lewis Acid-Assisted Lewis Acid \(LLA\)](#)

[1.3: LBA Catalysts](#)

[1.4: Problems + Reference](#)

[1.5: Chiral Phosphoric Acids \(PAs\)](#)

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