

1. Record Nr.	UNINA9910298604703321
Titolo	Chiral Lewis Acids // edited by Koichi Mikami
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-70806-6
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (VII, 220 p. 43 illus.)
Collana	Topics in Organometallic Chemistry, , 1436-6002 ; ; 62
Disciplina	547.2
Soggetti	Organometallic chemistry Catalysis Chemistry, Inorganic Organometallic Chemistry Inorganic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chiral Fluorous Lewis Acid Complexes -- Chiral Lewis & Broensted Acids -- Organocatalysts combined with Chiral Lewis Acid Complexes -- Hybrid Ligands for Chiral Lewis Acids -- Chirality in Lewis Acid Complexes -- Chiral Bimetallic Lewis Acids -- Chiral Alkali Earth Complexes -- Broensted Acid/Lewis Base Hybrid Complexes -- Chiral Lewis Acids for Alder Ene & Diels-Alder reactions -- Chiral Lewis Acids in Surface -- The Future of Chiral Lewis Acids -- Carbophilic Gold Lewis Acid Complexes.
Sommario/riassunto	The series Topics in Organometallic Chemistry presents critical overviews of research results in organometallic chemistry. As our understanding of organometallic structure, properties and mechanisms increases, new ways are opened for the design of organometallic compounds and reactions tailored to the needs of such diverse areas as organic synthesis, medical research, biology and materials science. Thus the scope of coverage includes a broad range of topics of pure and applied organometallic chemistry, where new breakthroughs are being achieved that are of significance to a larger scientific audience. The individual volumes of Topics in Organometallic Chemistry are thematic. Review articles are generally invited by the volume editors. All

chapters from Topics in Organometallic Chemistry are published OnlineFirst with an individual DOI. In references, Topics in Organometallic Chemistry is abbreviated as Top Organomet Chem and cited as a journal.
