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Nota di contenuto	Organosulfur Chemistry in Asymmetric Synthesis; Contents; Preface; List of Contributors; 1 Asymmetric Synthesis of Chiral Sulfoxides; 1.1 Chiral Sulfoxides; 1.1.1 Introduction; 1.1.2 The Main Routes to Chiral Sulfoxides; 1.2 Use of Chiral Sulfur Precursors; 1.2.1 Sulfinates (Andersen Method); 1.2.2 Diastereoselective Formation of Sulfinates; 1.2.3 Sulfinates from Sulfites; 1.2.4 Sulfinamides; 1.3 Catalytic Enantioselective Sulfide Oxidation; 1.3.1 Titanium Complexes; 1.3.1.1 Diesters of Tartaric Acid; 1.3.1.2 C(2)-Symmetric 1,2-Diols as Ligands; 1.3.1.3 Binaphthol and Derivatives 1.3.1.4 C(3)-Symmetric Triethanolamine Ligands1.3.1.5 Ti (Salen) Catalysts; 1.3.2 Manganese Complexes; 1.3.3 Vanadium Complexes; 1.3.4 Molybdenum Complexes; 1.3.5 Iron Complexes; 1.3.6 Miscellaneous; 1.4 Catalytic Arylation of Sulfenate Anions; 1.5 Enantioselective Oxidation of Sulfides; 1.6 Summary; References; 2 Asymmetric Synthesis of Optically Active Sulfinic Acid Esters; 2.1 Introduction; 2.2 Enantiomeric Sulfinic Acid Esters; 2.3 Diastereomeric Sulfinic Acid Esters; References; 3 Asymmetric Transformations

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Sommario/riassunto

In this first book to gather the information on this hot topic otherwise widely spread throughout the literature, experienced editors and top international authors cover everything the reader needs -- from the synthesis of chiral organosulfur compounds to applications and catalysis: * Asymmetric synthesis of chiral sulfinates and sulfoxides* Synthesis and use of chiral dithioacetal derivatives, ylids, chiral sulfoximines and sulfinamides* Use of chiral sulfoxides as ligands in catalysis* Asymmetric reactions of alpha-sulfenyl, alpha-sulfinyl and alpha-sulfonyl carbanions.As