

1. Record Nr.	UNINA9910349512503321
Titolo	Sulfur Chemistry / / edited by Xuefeng Jiang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-25598-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (477 pages)
Collana	Topics in Current Chemistry Collections, , 2367-4067
Disciplina	546.723
Soggetti	Chemistry Chemistry/Food Science, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Analysis of US FDA Approved Drugs Containing Sulfur Atoms -- Sulfur-Containing Agrochemicals -- Thiophene-Based Organic Semiconductors -- Synthesis and Applications of Polymers Made by Inverse Vulcanization -- Engineered C-S bond Construction -- C-S Bond Activation -- The Construction and Application of C=S Bonds -- Thiophene Syntheses by Ring Forming Multicomponent Reactions -- Sulfur-Sulfur Bond Construction -- Sulfur Radicals and Their Application -- Glycosyl Sulfoxides in Glycosylation Reactions -- Chiral Sulfoxide Ligands in Asymmetric Catalysis -- Sulfur-based ylides in transition-metal-catalysed processes.
Sommario/riassunto	The series Topics in Current Chemistry Collections presents critical reviews from the journal Topics in Current Chemistry organized in topical volumes. The scope of coverage is all areas of chemical science including the interfaces with related disciplines such as biology, medicine and materials science. The goal of each thematic volume is to give the non-specialist reader, whether in academia or industry, a comprehensive insight into an area where new research is emerging which is of interest to a larger scientific audience. Each review within the volume critically surveys one aspect of that topic and places it within the context of the volume as a whole. The most significant developments of the last 5 to 10 years are presented using selected examples to illustrate the principles discussed. The coverage is not intended to be an exhaustive summary of the field or include large

quantities of data, but should rather be conceptual, concentrating on the methodological thinking that will allow the non-specialist reader to understand the information presented. Contributions also offer an outlook on potential future developments in the field.
