1. Record Nr. UNINA9910830494103321

Titolo	Oligomerization and polymerization [[electronic resource]] : formation of intercalation compounds / / founding editor, J.J. Zuckerman; editor, A.P. Hagen
Pubbl/distr/stampa	New York, : Wiley-VCH, c1990
ISBN	1-282-30809-2 9786612308093 0-470-14532-3 0-470-14553-6
Descrizione fisica	1 online resource (462 p.)
Collana	Inorganic reactions and methods ; ; v. 17
Altri autori (Persone)	HagenA. P
Disciplina	541.3/9 547.28
Soggetti	Polymerization Clathrate compounds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Inorganic Reactions and Methods; Contents; Ring-ring and Ring-chain interconversions.; in Cage Polyboranes and Carboranes.; The Formation of Sheet Structures; How to Use this Book; Preface to the Series; Editorial Consultants to the Series; Contributors to Volume 17; Oligomerization and Polymerization; Introduction; Definitions and Scope.; Definitions of Oligomers and Polymers.; General Synthesis Methods.; Scope.; Small-Ring Systems-Examples of Synthesis.; Cages-Examples of Synthesis.; Short Chains-Examples of Synthesis.; Long Chains- Long Chains-Examples of Characteristic Differences Between Small and Large Molecules as Related to Their Synthesis.Special Characteristics of Small Cyclic and Linear Molecules.; Special Characteristics of Long-Chain Molecules.; Chain-Chain , Chain-Ringand Ring-Ring Equilibria; Bond Lability in Inorganic Systems.; Some Important Relationships Based on Theory.; The Chain Population.; The Ring Population and Network Macromolecules.; Introduction; Scrambling in Inorganic Systems.; All-Neso Systems.; Oligomers and Polymers in QZ,-QT, Systems with Z

Bridging.; Exchange of Segments Between Cyclic Molecules.
Chains and Rings from Scrambling Between Two Kinds of Central Moieties.Ring-Ring and Ring-Polymer Ring-Ring and Ring-Polymer Interconversions; Introduction; Interconversion of Sulfur or Selenium Rings and Chains; Theory; Experimental Techniques; Viscosity Measurements.; Ultrasonic Absorption in Liquid Selenium.; Quenching Experiments.; Diamagnetic Susceptibility Measurements.; Paramagnetic Susceptibility Measurements.; Electron Spin Resonance Absorption (ESR); Optical Absorption.; Vibrational Spectroscopy of Sulfur.; Nuclear Magnetic Resonance (NMR) Measurements on Selenium.
Dielectric Constant Measurements of Sulfur.Specific Heat Measurements on Sulfur and Selenium.; Density Measurements.; Thermal Conductivity in Liquid Selenium.; Electrical Conductivity of Sulfur.; In Oligomeric Catenates of P, As, Sb and Bi.; General Trends.; Phosphorus.; Arsenic.; Antimony.; Stabilized Rings and Chains.; In Silicon-Silicon Systems.; Formation of Cyclic Silicon-Silicon Systems.; Perarylcyclosilanes.; Permethylcyclosilanes.; Other Peralkylcyclosilanes.; Alkylarylcyclosilanes .; Reactions of Cyclosilanes.; Substitutional Reactions.; Ring-Cleavage Reactions.; Photolysis.
Ring-Ring and Chain-Ring Interconversion.Cage Polysilanes.; Silane High Polymers.; in Boron-Nitrogen Systems.; Synthesis of Ring Compounds; Borazines and Related Compounds.; Coordinately Saturated B-N Rings.; Factors Affecting Stability of Ring Species.; Preparation of Linear Boron-Nitrogon 0ligomers.; Interconversions in Boron-Nitrogen System; Preparation of Boron-Nitrogen Polymers.; Linear Boron-Nitrogen Chains.; Polycyclic Chains.; in Boron-Oxygen and Boron-Sulfur Systems; Anionic Boron-Oxygen Compounds.; Molecular Boron-Oxygen Species.; Boron-Sulfur Compounds.
Ring-Ring and Ring-Polymer interconversions.

Sommario/riassunto

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