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Titolo	The Formation of bonds to Group VIB (O, S, Se, Te, Po) elements . Part 1 [[electronic resource] /] / founding editor, J. J. Zuckerman; editor, A. P. Hagen
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Altri autori (Persone)	Hagen A. P Zuckerman J. J <1936-1987.> (Jerold J.)
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Nota di contenuto	Inorganic Reactions and Methods; Contents; How to Use this Book; Preface to the Series; Editorial Consultants to the Series; Contributors to Volume 5; Formation of Bonds to Group-VIB (O, S, Se, Te, Po) Elements (Part 1); Introduction; Formation of Group-VIB (O, S, Se, Te, Po)-Group-VIB (O, S, Se, Te, Po) Element Bond; introduction; Formation of the Oxygen-Oxygen Bond; by Reactions Involving Free Radicals; in the Formation of Compounds with -OH Groups.; in the Formation of Compounds with -OR Groups.; in the Formation of Compounds with -ORF Groups. in the Formation of Compounds with -OF Groups.in the Formation of Compounds with -OSO ₂ F Groups.; in the Formation of Compounds with OEF ₅ Groups (E = S, Se or Te).; by Oxidation of O ₂ -; in Solution.; Heterogeneous Reactions.; Formation of the Oxygen Bond with Other Group-VIB Elements; from the Elements.; Sulfur Oxides; Sulfur Dioxide;

Sulfur Trioxides; Disulfur Monoxide; Cyclopolysulfur Oxides; Sulfur Oxyacids; Sulfurous Acid Systems; Sulfuric Acid Systems; Dithionic Acid; Dithionous Acid; Thiosulfuric Acid; Sulfane Mono- and Disulfonic Acids; Organic Sulfur Oxyacids
Sulfenic Acids, Salts and Esters; Sulfinic Acids, Salts and Esters; Sulfonic Acids, Salts and Esters; Selenium, Tellurium and Polonium Oxides and Oxyacids; The Monoxide, Dioxides and Trioxides; Selenous and Tellurous Acids; Selenic and Telluric Acids; Miscellaneous Oxyselenium and -tellurium Species; Mixed Sulfur, Selenium, Tellurium and Polonium Oxides and Oxyacids; Mixed Oxides; Mixed Oxyacids; Formation of the Sulfur-Sulfur Bond; Formation of Allotropes and Allotropic Ions; Sulfur Allotropes; Polysulfur Cations; Formation of Sulfanes and Di- and Polysulfides; Sulfanes
Di- and Polysulfide Ions; Formation of Halodi- and Halopolysulfides; Formation of Organic Di- and Polysulfides; Compounds of Formula RS_xCl , $x \geq 2$; Compounds of Formula RS_xH , $x \geq 2$; Diorgano Disulfides; Diorgano Polysulfides; Formation of the Selenium-Selenium Bond; Selenium Allotropes; Polyselenides; Polyselenium Cations; Compounds of the Type $XSeSeX$; Complexes of Selenium with Diseleno Ligand; Formation of the Tellurium-Tellurium Bond; Tellurium Allotropes; Polytellurides; Polytellurium Cations; Compounds of the Type $XTeTeX$; Tellurium Subhalides
The Formation of Mixed Chalcogen Bonds Except Oxygen
Neutral Compounds; Heteropolyatomic Anions; Heteropolyatomic Cations; Complexes of Se(II) and Te(II and IV) with Dithioacids and Related Ligands; Formation of the Group-VIB (O, S, Se, Te, Po)-Group-VB (N, P, As, Sb, Bi) Element Bond; Introduction; Formation of the Oxygen - Nitrogen Bond; from the Elements.; from Molecular Oxygen.; from Ozone.; by Redox Reactions of Nitrogen Compounds (Not Including O_2 or O_3); by Oxidation of Nitrogen Compounds.; by Reduction of Nitrogen Compounds.; by Non-redox Reactions of Nitrogen Compounds.
Formation of the Sulfur-Nitrogen Bond

Sommario/riassunto

For the first time the discipline of modern inorganic chemistry has been systematized according to a plan constructed by a council of editorial advisors and consultants, among them three Nobel laureates (E.O. Fischer, H. Taube and G. Wilkinson). Rather than producing a collection of unrelated review articles, the series creates a framework which reflects the creative potential of this scientific discipline. Thus, it stimulates future development by identifying areas which are fruitful for further research. The work is indexed in a unique way by a structured system which maximizes its useful
