

1. Record Nr.	UNISA996211963503316
Titolo	The Formation of bonds to Group VIB (O, S, Se, Te, Po) elements . Part 2 [[electronic resource] /] / founding editor, J. J. Zuckerman; editor, A. P. Hagen
Pubbl/distr/stampa	New York, : VCH Publishers, 1998
ISBN	1-282-30829-7 9786612308291 0-470-14520-X 0-470-14541-2
Descrizione fisica	1 online resource (537 p.)
Collana	Inorganic reactions and methods ; ; 5-6
Altri autori (Persone)	HagenA. P ZuckermanJ. J <1936-1987.> (Jerold J.)
Disciplina	541.3/9 546
Soggetti	Chemical kinetics - Effect of temperature on Inorganic compounds - Synthesis Chemical bonds
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; How to use this Book; Preface to the Series; Editorial Consultants to the Series; Contributors to Volume 6; Formation of the Group VIB (O, S, Se, Te, Po)- Group IB (Cu, Ag, Au) or IIB (Zn, Cd, Hg) Metal Bond; Introduction; Formation of the Oxygen-Group IB or IIB Bond; From Dioxygen and Ozone; By Reaction with the Metal; By Addition to Low-Valent and Unsaturated Metal Complexes; By Insertion into Metal-Ligand Bonds; From Water and Alcohols; By Reaction with Elements; By Hydrolysis or Alcoholysis of Metal-Ligand Bonds From Hydrogen Peroxide and Organic PeroxidesBy Oxidation of the Metals and Their Complexes; By Oxidation of the Ligands Coordinated to the Metals; From Neutral Oxygen Donor Ligands [Ethers, Aldehydes, Ketones, Pyridine N-Oxides, Phosphine Oxides, Arsine Oxides and Dialkyl(aryl) Sulfoxides]; By Ligand Displacement Reactions with Transition Metal Complexes; By Insertion into the Metal-Ligand Bonds;

From Bidentate and Polydentate Oxygen Donor Ligands (from Polyethers and Crown Ethers, Macrocycles, 2,4-Pentanedione, etc.); From Oxides of the Main Group Elements; By Reaction with the Metals By Reaction with Complexes of the Metals By Insertion into Metal-Ligand Bonds; From OH-, OR-, O²/2-, O²-; By Ligand Substitution Reactions with Complexes of the Metals; By Oxidation of the Metals and Their Complexes; By Metal Atom and Related Reactions; Formation of the Bond Between Sulfur and a Group IB or IIB Element; From Sulfur; By Direct Reaction with Metals; By Reaction with Metal Complexes; From Hydrogen Sulfide, Hydrogen Polysulfides, and Thiols; From Thiocarbonyls, Thioethers, Organic Polysulfides, and Other Sulfur Donor Ligands

From Organic Thio Acids and Other Thio Acids of Main Group Elements By Oxidation of the Metals or Their Complexes; By Ligand Replacement Reactions with Complexes of the Metals and by Sulfur Atom Abstraction; From Bidentate and Polydentate Sulfur Donor Atoms; By Sulfur Addition, Oxidation and Sulfur Abstraction Reactions; By Ligand Substitution Reactions; From Sulfur Containing Anions (S²⁻, S_x²⁻, [HS]-, [RS]-); By Metal Atom and Related Reactions; Formation of the Bond Between Selenium, Tellurium, and Polonium and Group IB or IIB Elements; By Reactions with the Group IB and IIB Metals

Formation of the Bond with Selenium Formation of the Bond with Tellurium; Electrolytic Reactions Between the Elements; By Reaction with Group IB or Group IIB Metal Compounds; Binary Compounds; Ternary Compounds; By Reactions of Binary Acids of Selenium and Tellurium and Their Derivatives with Metal Compounds; By Reaction of Oxides of Selenium and Tellurium with Metal Compounds; By Reactions of the Anions and Oxyanions of the Elements with Metal Compounds; From Donor Ligands Incorporating the Elements Selenium and Tellurium; By Reaction with the Metals; Chemically Driven Reactions Electrochemically Driven Reactions

Sommario/riassunto

Boasting numerous industrial applications, inorganic chemistry forms the basis for research into new materials and bioinorganic compounds such as calcium that act as biological catalysts. Now complete, this highly acclaimed series presents current knowledge in all areas of inorganic chemistry, including chemistry of the elements; organometallic, polymeric and solid-state materials; and compounds relevant to bioinorganic chemistry.
