

1. Record Nr.	UNINA9910876729903321
Titolo	The Formation of bonds to halogens . Part 1 // founding editor, J.J. Zuckerman; editor, A.P. Hagen
Pubbl/distr/stampa	New York, : VCH Publishers, c1991
ISBN	1-282-30817-3 9786612308178 0-470-14518-8 0-470-14539-0
Descrizione fisica	1 online resource (525 p.)
Collana	Inorganic reactions and methods ; ; 4
Altri autori (Persone)	HagenA. P ZuckermanJ. J <1936-1987.> (Jerold J.)
Disciplina	541.3/9 541.39
Soggetti	Halogenation Chemical bonds Chemical kinetics - Effect of temperature on
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; The Formation of Bonds to Halogens (Part 2); The Formation of the Halogen-Group-IIIB Element (B, Al, Ga, In, Tl) Bond; Introduction; from the Elements.; by Halogenation of the Elements; with Hydrogen Halides.; with Carbon-Halogen Compounds.; with Other Halides.; from Halogenation of Anionic Group-IIIB Clusters; by Elemental Halogens.; by Other Halides.; from Cleavage of Group-IIIB-Hydrogen Bonds; by Halogens.; by Hydrogen Halides.; with Other Halides. from Cleavage of Group-IIIB-Oxygen Bondsby Halogens.; by Halogens with Reducing Agents.; with Hydrogen Halides.; by Other Halides.; from Cleavage of Group-IIIB-Other Group-VIB Element Bonds; by Halogens.; by Hydrogen Halides.; by Other Halides.; from Cleavage of Group-IIIB-Nitrogen Bonds; by Halogens.; with Hydrogen Halides.; with Other Halides.; from Cleavage of the Group-IIIB-Other Group-VB Element Bond; by Halogens.; by Hydrogen Halides.; by Other Halides.; Cleavage

of Group-IIIB-Carbon Bonds; by Halogens.; by Hydrogen Halides.; by Other Halides.  
 from Cleavage of the Group-IIIB-Other Group-IVB Element Bond by Halogens.; by Hydrogen Halides.; by Other Halides.; from Halide-Halide Exchange Reactions (Metathesis); by Hydrogen Halides.; by Metal and Nonmetal Halides.; by Fluorinating Agents.; Cleavage of Other Group-IIIB-Element Bonds; by Halogens.; by Hydrogen Halides.; by Other Halides.; Subvalent Group-IIIB Halides; Boron, Aluminum, Gallium, Indium.; Thallium.; from Scrambling Reactions.; Miscellaneous Modes of Formation.; The Formation of the Halogen-Group-IA (Li, Na, K, Rb, Cs, Fr) and Group-IIA (Be, Mg, Ca, Sr, Ba, Ra) Metal Bond Introduction from the Elements.; by Halogenation; with Hydrogen Halides.; with Miscellaneous Halides; from Group-IA and Group-IIA Metals with Halides (Metal and Nonmetal).; from Alkaline-Earth Metals with Carbon-Halogen Compounds (Formation of Organomagnesium Reagents); from Reaction of Halogens with Hydroxides, Carbonates, etc., of Group-IA and Group-IIA Metals (Formation of Halides by Disproportionation of the Halogen); from Reaction of Hydrogen Halides with Oxides, Hydroxides, Carbonates, etc., of the Group-IA and Group-IIA Metals; from Reaction of Oxides with Halogens.  
 from Reactions of Oxides of the Group-IIA Metals with Nonmetal Halides (Excluding Hydrogen Halides). from Reaction of Carbides of the Elements with Halogen and Hydrogen Halides; from Metathetical Reactions (Anion-Halide Exchange).; The Formation of the Halogen-Group-IB (Cu, Ag, Au) or Group-IIB (Zn, Cd, Hg) Metal Bond; Introduction; from the Elements.; Synthesis of the Group-IB Trihalides; from the Metals; by Halogenation.; by Nonmetal Halides.; from Lower Valent Compounds.; from Metal Oxides.; by Halogen Exchange.; Synthesis of Complex Halide Derivatives; Tetrahalo Derivatives Cyanohalo Derivatives

---

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 maximize

---