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| 1. Record Nr.           | UNINA9910643122303321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Titolo                  | The formation of bonds to hydrogen . Part 1 [[electronic resource] /] / editor, J.J. Zuckerman; subject index editor, A.P. Hagen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pubbl/distr/stampa      | [Deerfield Beach, FL], : VCH Publishers, c1986                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ISBN                    | 1-282-30833-5<br>9786612308338<br>0-470-14515-3<br>0-470-14536-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Descrizione fisica      | 1 online resource (359 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Collana                 | Inorganic reactions and methods ; ; 1/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Altri autori (Persone)  | ZuckermanJ. J <1936-1987.> (Jerold J.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Disciplina              | 541.3/9<br>547.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Soggetti                | Chemical kinetics - Effect of temperature on<br>Inorganic compounds - Synthesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di contenuto       | Inorganic Reactions and MethodsH; Contents; How to Use this Book; Preface to the Series; Editorial Consultants to the Series; Contributors to Volume 1; The Formation of Bonds to Hydrogen (Part 1); Introduction; The Formation of Hydrogen; Introduction; by Reactions of Hydride Ions; with Hydrogen Halides.; with OH Groups and Acids in OH Systems.; with SH and SeH Groups and Acids in SH and SeH Systems.; with NH Groups and Acids in NH Systems.; with PH and ASH Groups and Acids in PH and ASH Systems.; by Reactions of Complex Hydrides; with Hydrogen Halides.; with OH Groups and Acids in OH Systems. with SH and SeH Groups and Acids in SH and SeH Systems.with NH Groups and Acids in NH Systems.; with PH and ASH Groups and Acids in PH and ASH Systems.; by Reactions of Metals; with Hydrogen Halides.; with OH Groups and Acids in OH Systems.; with SH and SeH Groups and Acids in SH and SeH Systems.; with NH Groups and Acids in NH Systems.; with PH and ASH Groups and Acids in PH and ASH Systems.; by Reactions of Nonmetals and Semimetals; with Hydrogen Halides.; with OH Groups and Acids in OH Systems.; with SH and SeH Groups and Acids in SH and SeH Systems. |

with NH Groups and Acids in NH Systems. with PH and ASH Groups and Acids in PH and ASH Systems.; by Electrolytic Reduction; of Hydrogen Halides.; of OH Systems.; of SH and SeH Systems.; of NH Systems.; of PH and ASH Systems.; by Reactions of Water; with Carbon.; with Saturated Hydrocarbons.; with Unsaturated Hydrocarbons.; with CO.; Involving Water Splitting; in Electrochemical Reactions.; in Chemical Reactions Involving Main-Group Elements.; in Chemical Reactions Involving Transition and Inner-Transition Metals.; with Other OH-Containing Compounds.; by Partial Oxidation of Hydrocarbons. Isotopes: Deuterium-Chemical Preparation of D<sub>2</sub> and D<sub>2</sub>O by Interconversion of Deuterated Compounds; in Reactions between D<sub>2</sub>O and Active Metals.; in Electrolyses of Salts Dissolved in D<sub>2</sub>O.; in HD Synthesis.; by Isotopic Enrichment; Principles and Reactions; Catalysis of Hydrogen-Water Isotope Exchange; Catalysis of Hydrogen-Ammonia (Amine) Exchange; Other Processes; The Formation of Hydrogen-Halogen Bonds; Introduction; by Reactions of Hydrogen; with Fluorine.; with Chlorine.; with Bromine.; with Iodine.; by Reactions of Protonic Acids; with Fluoride Ions.; with Chloride Ions. with Bromide Ions. with Iodide Ions.; with Complex Halides.; by Hydrolysis; of Fluorides.; of Chlorides.; of Bromides.; of Iodides.; of Complex Fluorides.; by Industrial Processes.; in Syntheses of Deuterium Halides.; in Syntheses of Hydrogen Astatide.; The Formation of Bonds between Hydrogen and Elements of Group VIB (O, S, Se, Te, Po); Introduction; Scope; Classification; Safety and Toxicity; by Reactions of Elemental Hydrogen; with Elemental Oxygen; in the Gas Phase.; in the Gas Phase under Irradiation or Electrical Discharge Giving Hydrogen Peroxide. under Metal Catalysis Giving Hydrogen Peroxide.

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#### Sommario/riassunto

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