Record Nr. UNINA9910876726603321 Autore Rehder Dieter **Titolo** Chemistry in space : from interstellar matter to the origin of life // Dieter Rehder Weinheim, : Wiley-VCH, 2010 Pubbl/distr/stampa **ISBN** 3-527-63238-7 1-282-71242-X 9786612712425 3-527-63160-7 3-527-63161-5 Descrizione fisica 1 online resource (303 p.) Disciplina 523.02 Soggetti Cosmochemistry Interstellar molecules Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical referenes and index. Nota di bibliografia Nota di contenuto Chemistry in Space: From Interstellar Matter to the Origin of Life; Contents; Preface; 1: Introduction and Technical Notes; 2: Origin and Development of the Universe; 3: The Evolution of Stars; 4: The Interstellar Medium; 5: The Solar System; 6: Exoplanets; 7: The Origin of Life; Index Sommario/riassunto The dynamic field of extraterrestrial chemistry brings together ideas of chemistr, astrophysics, and biology to the study of molecules between stars, around stars, and on plantes. This book serves as an introduction to chemial processes under ?unearthly? and hence usually extreme conditions (temperature, pressure, high or low density, bombardment by cosmic rays), and their impact on the early development of our solar system, as well as providing a deeper understanding of processes in earthly regions where conditions approach those of extraterrestrial

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