Record Nr. UNINA9910144269903321 Chemical dynamics at low temperatures [[electronic resource] /] / Victor **Titolo** A. Benderskii, Dmitrii E. Makarov, Charles A. Wight Pubbl/distr/stampa New York, : Wiley, c1994 **ISBN** 1-282-68357-8 9786612683572 0-470-14147-6 0-470-14200-6 Descrizione fisica 1 online resource (400 p.) Collana Advances in chemical physics: ; v. 88 Altri autori (Persone) BenderskiiV. A (Viktor Adolfovich) MakarovDmitrii E WightCharles A Disciplina 541.3686 Soggetti Chemical reactions Low temperature research Low temperatures Tunneling (Physics) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "An Interscience publication." Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto CHEMICAL DYNAMICS AT LOW TEMPERATURES: CONTENTS: INTRODUCTION; FROM THERMAL ACTIVATION TO TUNNELING; ONE-DIMENSIONAL MODELS; TWO-DIMENSIONAL TUNNELING; CHEMICAL DYNAMICS IN THE PRESENCE OF A HEAT BATH: HYDROGEN TRANSFER: TUNNELING ROTATION; VIBRATION-ROTATION TUNNELING SPECTROSCOPY OF MOLECULES AND DIMERS; HEAVY PARTICLE TRANSFER: CONCLUSION: REFERENCES: AUTHOR INDEX: SUBJECT INDEX The first unified treatment of experimental and theoretical advances in Sommario/riassunto low-temperature chemistry Chemical Dynamics at Low Temperatures is a landmark publication. For the first time, the cumulative results of twenty years of experimental and theoretical research into low-

temperature chemistry have been collected and presented in a unified treatment. The result is a text/reference that both offers an overview of

the subject and contains sufficient detail to guide practicing researchers toward fertile ground for future research. Topics covered include:* Developmental history* Formulation