Record Nr. UNINA9910458813103321 Autore Baerlocher Ch Titolo Atlas of zeolite framework types [[electronic resource] /] / Christian Baerlocher and Lynne B. McCusker, David H. Olson Pubbl/distr/stampa Boston: Amsterdam, : Published on behalf of the Structure Commission of the International Zeolite Association by Elsevier, c2007 **ISBN** 1-281-07121-8 9786611071219 0-08-055434-2 Edizione [6th ed.] Descrizione fisica 1 online resource (405 p.) Altri autori (Persone) McCuskerLynne B OlsonBud MeierW. M (Walter M.) Disciplina 549.68 660.2995 Soggetti Zeolites Silicate minerals Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Dedicated to Walter M. Meier, co-author of the first edition of the Atlas and co-founder of the IZA Structure Commission on the occasion of his 80th birthday." Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Front Cover; ATLAS OF ZEOLITE FRAMEWORK TYPES; Copyright Page; TABLE OF CONTENTS; Preface; Introduction and Explanatory Notes; Framework Type Data Sheets (arranged by 3-letter code in alphabetical order); Appendices; Appendix A. Additional information for the data sheets of; Appendix B. Rules for Framework Type Assignment; Appendix C. Secondary Building Units: Appendix D. Composite Building Units; Appendix E. Channel Dimensions; Appendix F. Topological Densities; Appendix G. Origin of 3-Letter Codes and Type Material Names: Isotypic Material Index Sommario/riassunto Zeolite scientists, whether they are working in synthesis, catalysis, characterization or application development, use the Atlas of Zeolite Framework Types as a reference. It describes the main features of all

of the confirmed zeolite framework structures, and gives references to

the relevant primary structural literature. Since the last edition 34 more framework types have been approved and are described in this new edition. A further new feature will be that characteristic building units will be listed for each of the framework types. Zeolites and their analogs are used as desiccan