the art in zeolite science and technology, with particular emphasis on recent developments. It is intended to complement presentations of the latest research results at the 1983 International Zeolites Association meeting in Reno, Nevada – USA. Both the fundamental concepts and industrial applications are discussed in lectures at the institutes. Individual chapters cover historical development, structure, crystallography and synthesis techniques. Basic principles of adsorption, diffusion, ion exchange and acid catalysis are reviewed, and a select bibliography on catalysis and adsorption adsorption techniques is included. The handbook is an up-to-date reference for zeolite science and technology, and it addresses the major aspects of the field. It is written in a straightforward manner, offering clear explanations and detailed examples. The book is divided into four main sections: \section*{Fundamentals and Applications \section*{The Handbook of Zeolite Science and Technology is essential reading for all scientists}
comprehensive and updated summary of all important aspects of natural zeolite science and technology. The book contains four sections covering the relevant scientific background, established technologies, recent "Covering the breadth of zeolite chemistry and catalysis, this book provides the reader with a complete introduction to field, covering synthesis, structure, characterisation and applications. Beginning with the history of natural and synthetic zeolites, the reader will learn how zeolite structures are formed, synthetic routes, and experimental and theoretical structure determination techniques. Their industrial applications are covered in-depth, from their use in the petrochemical industry, through to fine chemicals and more specialised clinical applications. Novel zeolite materials are covered, including hierarchical zeolites and two-dimensional zeolites, showcasing modern developments in the field. This book is ideal for newcomers who need to get up to speed with zeolite chemistry, and also experienced researchers who will find this a modern, up-to-date guide.

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