Engineering Materials

Rafael Chaves Lima
Lindiane Bieseki
Paloma Vinaches Melguizo
Sibele Berenice Castellã Pergher

Environmentally Friendly Zeolites

Synthesis and Source Materials

1st ed. 2019, XIV, 111 p.

R. Chaves Lima, L. Bieseki, P. Vinaches Melguizo, S.B. Castellã Pergher

Environmentally Friendly Zeolites

Synthesis and Source Materials

Series: Engineering Materials

- **Presents different synthesis processes for zeolites using natural materials**
- **Gives the reader several synthesis methods used for different industrial approaches**
- **Highlights the parameters that influence the formation of different zeolite structures**

This book details zeolites, their structures and the parameters that influence their synthesis, providing a new and actual perspective of this field. Following this, the authors show different processes used to synthesize zeolites using residues, natural materials, and other eco-friendly materials such as raw powder glass, clays, aluminum cans, diatomites, rice ashes or coal ashes. Finally, this book gives the reader a wide range of different synthesis methods that they can be applied to several industrial processes.

Part of **SPRINGER NATURE**