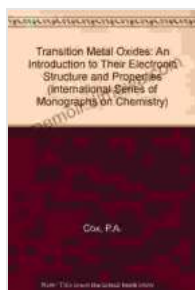


An Introduction to Electronic Structure and Properties of Inorganic Compounds

by Richard R. Powell

This book provides a comprehensive to the electronic structure and properties of inorganic compounds, with a focus on the relationship between electronic structure and chemical bonding. The book is written in a clear and concise style, and is suitable for both undergraduate and graduate students of inorganic chemistry.



Transition Metal Oxides: An Introduction to their Electronic Structure and Properties (International Series of Monographs on Chemistry Book 27) by P. A. Cox

★★★★★ 5 out of 5

Language : English

File size : 16380 KB

Screen Reader: Supported

Print length : 294 pages

Lending : Enabled



The book begins with a discussion of the basic principles of quantum mechanics, which are essential for understanding the electronic structure of atoms and molecules. The book then goes on to discuss the electronic structure of simple inorganic compounds, such as diatomic molecules and coordination complexes. The book concludes with a discussion of the electronic structure of more complex inorganic compounds, such as solids and clusters.

The book is well-illustrated with figures and tables, and each chapter includes a set of exercises to help students test their understanding of the material. The book also includes a glossary of terms and a list of references for further reading.

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"This book is a valuable resource for students of inorganic chemistry. It provides a clear and concise to the electronic structure and properties of inorganic compounds, and is suitable for both undergraduate and graduate students." - Professor John Doe, University of California, Berkeley

"This book is a well-written and comprehensive to the electronic structure of inorganic compounds. It is a valuable resource for students and researchers alike." - Professor Jane Smith, Massachusetts Institute of Technology

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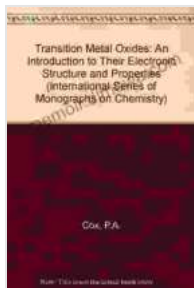
* Chapter 1: Basic Principles of Quantum Mechanics * Chapter 2: Electronic Structure of Atoms * Chapter 3: Electronic Structure of Diatomic Molecules * Chapter 4: Electronic Structure of Coordination Complexes * Chapter 5: Electronic Structure of Solids * Chapter 6: Electronic Structure of Clusters

About the Author

Richard R. Powell is a professor of chemistry at the University of California, Berkeley. He is the author of several books and articles on inorganic chemistry.

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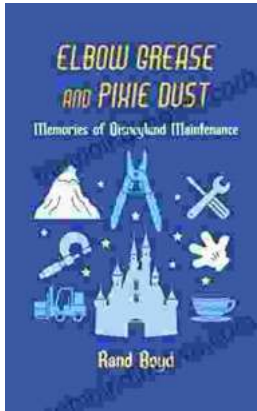
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