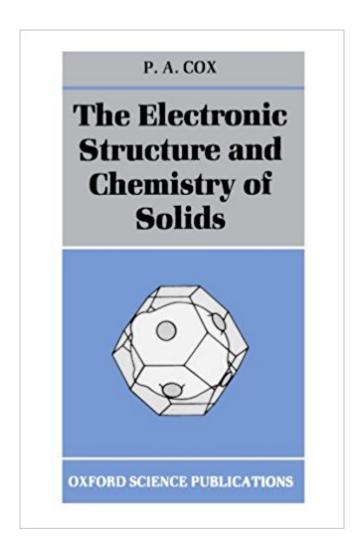


## The book was found

# The Electronic Structure And Chemistry Of Solids (Oxford Science Publications)





# **Synopsis**

This book is the first to describe the chemical aspects of the electronic structures of solids in terms familiar to chemists and materials scientists. The first three chapters give an elementary account suitable for undergraduate students with a grounding in inorganic and physical chemistry; later chapters discuss more advanced aspects, including topics of current research interest such as metal-insulator transitions, low-dimensional solids and 'molecular metals,' and the properties of surfaces. A wide variety of examples are cited throughout the text to further clarify the discussion for students and for researchers in chemistry, materials science, and solid state electronics.

## **Book Information**

Series: Oxford Science Publications

Paperback: 272 pages

Publisher: Clarendon Press; 1 edition (July 16, 1987)

Language: English

ISBN-10: 0198552041

ISBN-13: 978-0198552048

Product Dimensions: 9.2 x 0.6 x 6.1 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 3 customer reviews

Best Sellers Rank: #626,220 in Books (See Top 100 in Books) #22 in Â Books > Engineering &

Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #139

inà Books > Science & Math > Chemistry > Inorganic #203 inà Â Books > Science & Math >

Physics > Solid-State Physics

## **Customer Reviews**

'In conclusion, this book presents a useful overview of the electronic structure and related properties of solids. It gives a well balanced account of the theory, and numerous examples of applications which will be of interest to chemists.' Chemistry in Britain'P. A. Cox has brought considerable skill to the task of familiarizing chemists with the electronic structure of solids. Angewandte Chemie'This very useful book removes the mystique from those areas of solid-state physics that seem impenetrable to chemists ... It is sound and reliable.' The Times Higher Education Supplement'This covers an interesting range of subjects. The book is well written, illustrated and produced.' Suid-Afrikaanse Tydskrif vir Wetenskap

#### P. A. Cox is at University of Oxford.

#### Great book!

The book was in good condition and the explanations provided were explicit and suitable for graduate students. A must read book.

shin@nirin.go.jp A great work in explaining the electronic structure of mainly, oxides. Reading the book as an materials researcher, it contains most of basics to understand the physical properties of functional materials related to their electronic structures. The author used simple and clear words in the text, Esp, the ch. 4 is very well written to be a good introduction to the band theory for who are based on chemistry. Only the bad is that data and refs in this book are somewhat old and necessary to be updated. So I rate this as four stars. I already read a book translated in japanese, and I recommend this also, very well done with great care.

### Download to continue reading...

The Electronic Structure and Chemistry of Solids (Oxford Science Publications) Bonding and Structure of Molecules and Solids (Oxford Science Publications) Conduction of Heat in Solids (Oxford Science Publications) Atomic and Electronic Structure of Solids Electronic Structure and the Properties of Solids: The Physics of the Chemical Bond (Dover Books on Physics) Band Theory and Electronic Properties of Solids (Oxford Master Series in Physics) Modern Quantum Chemistry: Introduction to Advanced Electronic Structure Theory (Dover Books on Chemistry) Organic Electronic Materials: Conjugated Polymers and Low Molecular Weight Organic Solids (Springer Series in Materials Science) The Meaning of Quantum Theory: A Guide for Students of Chemistry and Physics (Oxford Science Publications) Transition Metal Oxides: An Introduction to Their Electronic Structure and Properties (The International Series of Monographs on Chemistry) Advanced Organic Chemistry: Part A: Structure and Mechanisms: Structure and Mechanisms Pt. A Modern Quantum Chemistry: Introduction to Advanced Electronic Structure Theory Oxford Handbook of Dialysis (Oxford Medical Publications) Oxford Handbook of Tropical Medicine (Oxford Medical Publications) Oxford Dictionary of Medical Quotations (Oxford Medical Publications) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Electrons and Phonons: The Theory of Transport Phenomena in Solids (Oxford Classic Texts in the Physical Sciences) The Friction and Lubrication of Solids (Oxford Classic Texts in the Physical Sciences) The Mathematical Theory of Symmetry in Solids: Representation Theory for Point Groups and Space Groups (Oxford Classic Texts in the Physical Sciences)

Contact Us

DMCA

Privacy

FAQ & Help