Título:

Autor:

Editorial:

Tema:

Sinopsis

Precio: $1073.00

Año: 2005

Edición: 1ª

ISBN: 9780748775163

Intended for first- and second-year undergraduates, this introduction to solid state chemistry includes practical examples of applications and modern developments to offer students the opportunity to apply their knowledge in real-life situations.

The third edition of Solid State Chemistry: An Introduction has been comprehensively revised and updated. Building a foundation with a thorough description of crystalline structures, the book presents a wide range of the synthetic and physical techniques used to prepare and characterize solids. Other fundamental discussions include: bonding, superconductivity, and electrochemical, magnetic, optical, and conductive properties. The authors have added sections on fuel cells and electrochromic materials; conducting organic polymers, organic superconductors, and fullerenes; mesoporous solids and ALPOs; photonics; giant magnetoresistance (GMR) and colossal magnetoresistance (CMR); and p-wave (triplet) superconductors. The book also includes a completely new chapter, which examines the solid state chemical aspects of nanoscience. Each chapter contains a set of review questions and an accompanying solutions manual is available.

Solid State Chemistry: An Introduction, Third Edition is written in a clear, approachable style that enhances the material by integrating its concepts in the context of current applications and areas of promising research.