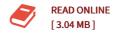




Electrons in Molecules: From Basic Principles to Molecular Electronics (Hardback)

By Emeritus Professor Jean-Pierre Launay, Emeritus Professor Michel Verdaguer

Oxford University Press, United Kingdom, 2013. Hardback. Book Condition: New. 248 x 196 mm. Language: English . Brand New Book. The purpose of this book is to provide the reader with essential keys to a unified understanding of the rapidly expanding field of molecular materials and devices: electronic structures and bonding, magnetic, electrical and photo-physical properties, and the mastering of electrons in molecular electronics. Chemists will discover how basic quantum concepts allow us to understand the relations between structures, electronic structures, and properties of molecular entities and assemblies, and to design new molecules and materials. Physicists and engineers will realize how the molecular world fits in with their need for systems flexible enough to check theories or provide original solutions to exciting new scientific and technological challenges. The non-specialist will find out how molecules behave in electronics at the most minute, sub-nanosize level. The comprehensive overview provided in this book is unique and will benefit undergraduate and graduate students in chemistry, materials science, and engineering, as well as researchers wanting a simple introduction to the world of molecular materials.



Reviews

This is the finest book i have got study right up until now. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Keanu Johns

This is the finest book i have read until now. It is filled with wisdom and knowledge You can expect to like just how the author compose this ebook.

-- Tobin Lesch