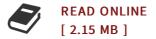




Chemical Bonding at Surfaces and Interfaces (Hardback)

By-

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2007. Hardback. Book Condition: New. 240 x 168 mm. Language: English . Brand New Book. Molecular surface science has made enormous progress in the past 30 years. The development can be characterized by a revolution in fundamental knowledge obtained from simple model systems and by an explosion in the number of experimental techniques. The last 10 years has seen an equally rapid development of quantum mechanical modeling of surface processes using Density Functional Theory (DFT). Chemical Bonding at Surfaces and Interfaces focuses on phenomena and concepts rather than on experimental or theoretical techniques. The aim is to provide the common basis for describing the interaction of atoms and molecules with surfaces and this to be used very broadly in science and technology. The book begins with an overview of structural information on surface adsorbates and discusses the structure of a number of important chemisorption systems. Chapter 2 describes in detail the chemical bond between atoms or molecules and a metal surface in the observed surface structures. A detailed description of experimental information on the dynamics of bond-formation and bond-breaking at surfaces make up Chapter 3. Followed by an in-depth analysis of aspects of heterogeneous catalysis...



Reviews

This pdf is so gripping and exciting. I actually have go through and that i am confident that i will going to read once again once more in the future. I discovered this publication from my dad and i advised this ebook to discover.

-- Mr. Elwin McGlynn Jr.

The ebook is straightforward in read easier to recognize. It is actually writter in basic phrases and not difficult to understand. You can expect to like just how the author compose this book.

-- Camilla Kub