

图书基本信息

书名：<<簇的实验和理论研究进展PROGRESS IN EXPERIMENTAL AND THEORETICAL STUDIES OF CLUSTERS>>

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内容概要

The cluster which is an ensemble of two thousands of atoms or molecules, has emerged as a completely new class of materials at the frontier of materials science. The frontier of cluster science extends so rapidly that the map of the science is renewed day by day. In order to provide basic knowledge and recent information on this growing field, nine world-renowned scientists who are actively involved experimentally and theoretically in cluster science have written this book, which is concise, comprehensive, suitable for students at both the undergraduate and the graduate level, as well as people who work outside cluster science.

书籍目录

IntroductionPreface1. Survey of Structure, Energetics and Dynamics of Clusters2. Molecular and Ionic Cluster Spectroscopy3. Physical and Chemical Properties of Metal Clusters in the Gas Phase and on Solid Surfaces4. Femtosecond Spectroscopy on Metal Clusters5. Core Level Excitation of Clusters6. Laboratory Experiments on Single Levitated Aerosol Particles7. Cluster Formation From Liquid PhaseIndex

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