

《富勒烯的物理及化学PHYSICS》

图书基本信息

书名：《富勒烯的物理及化学PHYSICS AND CHEMISTRY OF FULLERENES》

13位ISBN编号：9789810211172

10位ISBN编号：9810211171

出版时间：2001-12

出版社：中国矿大出版社

页数：242

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内容概要

The creation of the hollow carbon buckminsterfullerene molecule has triggered an explosive growth of research in many fields. Superconducting and magnetic fullerenes, atoms trapped inside the fullerene cages, chemically bonded fullerene complexes, and nanometer-scale helical carbon tubules are some of the leading areas that have generated much excitement. The fullerene literature has been scattered among many journals emphasizing Physics, Chemistry, and Materials Science. With the publication of this volume, the most important papers are gathered together in one place. This book is intended as a guide to the literature for the scientist who is just entering fullerene research, and it will also be a useful reference for the established worker. It contains reprints of sixty important research papers, with a focus especially on those papers that have guided further work. These papers cover the entire field, from mass-spectrometric studies of the conditions that lead to efficient formation of fullerenes, to the prospect of AIDS drugs based on fullerene complexes. There is also a thorough review of the field, with references to many other publications.

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Introduction The C60 Molecule

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