

Designing the Molecular World: Chemistry at the Frontier



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Reviews

This publication is very gripping and exciting. Better then never, though i am quite late in start reading this one. I am very happy to inform you that here is the finest pdf i actually have read inside my very own daily life and could be he greatest publication for actually.
(Dayana Aufderhar)

DESIGNING THE MOLECULAR WORLD: CHEMISTRY AT THE FRONTIER



Princeton University Press. Paperback. Book Condition: New. Paperback. 384 pages. Dimensions: 9.1in. x 6.1in. x 0.9in. Some of the most exciting scientific developments in recent years have come not from theoretical physicists, astronomers, or molecular biologists but instead from the chemistry lab. Chemists have created superconducting ceramics for brain scanners, designed liquid crystal flat screens for televisions and watch displays, and made fabrics that change color while you wear them. They have fashioned metals from plastics, drugs from crude oil, and have pinpointed the chemical pollutants affecting our atmosphere and are now searching for remedies for the imperiled planet. Philip Ball, an editor for the prestigious magazine *Nature*, lets the lay reader into the world of modern chemistry. Here, for example, chemists find new uses for the improbable buckminsterfullerene molecules--60-atom carbon soccerballs, dubbed buckyballs--which seem to have applications for everything from lubrication to medicine to electronics. The book is not intended as an introduction to chemistry, but as an accessible survey of recent developments throughout many of the major fields allied with chemistry: from research in traditional areas such as crystallography and spectroscopy to entirely new fields of study such as molecular electronics, artificial enzymes, and smart polymer gels. Ball's grand tour along the leading edge of scientific discovery will appeal to all curious readers, with or without any scientific training, to chemistry students looking for future careers, and to practicing chemical researchers looking for information on other specialties within their discipline. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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