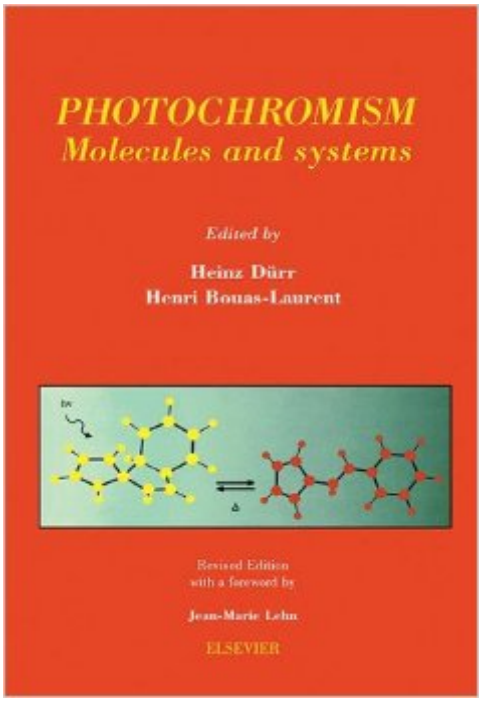
Photochromism: Molecules And Systems



Synopsis

Photochromism is simply defined as the light induced reversible change of colour. The field has developed rapidly during the past decade as a result of attempts to improve the established materials and to discover new devices for applications.As photochromism bridges molecular, supramolecular and solid state chemistry, as well as organic, inorganic and physical chemistry, such a treatment requires a multidisciplinary approach and a broad presentation. The first edition (1990) provided an enormous amount of new concepts and data, such as the presentation of main families based on the pericyclic reaction mechanism, the review of new families, some bimolecular photocycloadditions and some promising systems. This new edition provides an efficient entry into this flourishing field, with the core content retained from the original work to provide a basic introduction into the different subjects.*Second edition of a work first published in 1990, now revised due to constant development of research. *Including updated lists of references (1989-2001), offering immediate access to recent developments.*Providing great basic interest and high application potential bringing scientists together from chemistry, physics and engineering.

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Customer Reviews

This book is a much needed update of one of a few major reviews in the field, and has a great deal of useful content. Unfortunately for the price (and the amount of time that's passed since the last update) I was a bit disappointed - too much of it is verbatim from the previous edition, the organization is a bit weak, and the level of production is really disappointing... it looks like someone typed new headings and bound up a bunch of draft manuscripts!

Photochromism: Molecules and Systems Conformational Theory of Large Molecules: The Rotational Isomeric State Model in Macromolecular Systems Structure-based Design of Drugs and Other Bioactive Molecules: Tools and Strategies Anti-Cancer Molecules: Structure, Function, and Design (Annals of the New York Academy of Sciences) The Handbook of Infrared and Raman Characteristic Frequencies of Organic Molecules Dynamics of Molecules and Chemical Reactions Density-Functional Theory of Atoms and Molecules (International Series of Monographs on Chemistry) Giant Molecules: Here, There, and Everywhere Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles Physics of Atoms and Molecules (2nd Edition) Hplc Of Biological Macro- Molecules, Revised And Expanded (Chromatographic Science (Hardcover)) Modeling the Psychopathological Dimensions of Schizophrenia, Volume 23: From Molecules to Behavior (Handbook of Behavioral Neuroscience) Molecules With Silly Or Unusual Names Molecules That Amaze Us Magic Molecules: How Drugs Work Molecules (Scientific American Library) Heterolytic Fragmentation of Organic Molecules Transition Metals in the Synthesis of Complex Organic Molecules Modern Molecular Photochemistry of Organic Molecules The Science of Polymer Molecules (Cambridge Solid State Science Series)