The book was found

Essentials Of Molecular Photochemistry

Essentials of Molecular Photochemistry

Gilbert, Andrew

Note: This is not the actual book cover
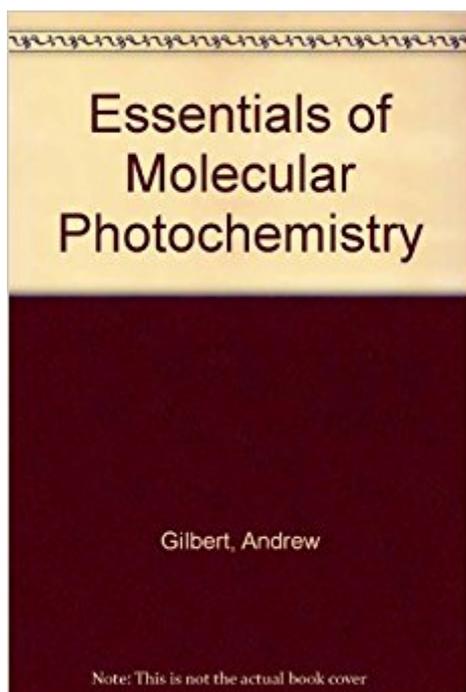
Synopsis

This text is aimed at final year undergraduates, beginning postgraduates, and those requiring a fundamental knowledge of photophysical and photochemical processes. The first two chapters provide an introduction to the more physical and quantitative aspects of the subject. More advanced topics concerned with the interaction between matter and radiation, molecular photophysics, and emission quenching are considered in the following three chapters. Difficult concepts are presented from a qualitative (pictorial) point of view rather than a purely mathematical one and a quantum rather than a classical approach is adopted throughout. The photochemical reactions of organic compounds are classified according to chromophore type (i.e. ethenes, dienes, and ethynes, carbonyl compounds, aromatic compounds, chromophores containing nitrogen, and other organic chromophores). However, in view of the importance of photo-oxygenation processes, this is considered as a separate topic in the final chapter. --This text refers to an out of print or unavailable edition of this title.

Book Information

Hardcover: 538 pages

Publisher: CRC Press (July 25, 1991)

Language: English

ISBN-10: 0849377277

ISBN-13: 978-0849377273

Product Dimensions: 1.2 x 7.2 x 10 inches

Shipping Weight: 3 pounds

Average Customer Review: 4.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #6,244,502 in Books (See Top 100 in Books)   #67 in Books > Science & Math > Chemistry > Photochemistry   #1687 in Books > Science & Math > Chemistry > Inorganic   #17069 in Books > Textbooks > Science & Mathematics > Chemistry

Customer Reviews

I don't own this book, but I'd definetely put my money in it since I borrowed it from a professor and I found it very useful. The principles of photophysics are described in detail and the best part of this book is how the math is developed regarding kinetic studies (i.e. Stern Volmer equations). Is really easy to understand and read. The photochemistry part is OK. This book really serves as a nice complement for Turro's Molecular Organic Photochemistry book.

Download to continue reading...

Organic Molecular Photochemistry (Molecular and Supramolecular Photochemistry) Computational Methods in Photochemistry (Molecular and Supramolecular Photochemistry) Organic Photochemistry (Molecular and Supramolecular Photochemistry) Chiral Photochemistry (Molecular and Supramolecular Photochemistry) Essentials of Molecular Photochemistry Bioorganic Photochemistry, Photochemistry and the Nucleic Acids (Volume 1) Principles of Molecular Photochemistry: An Introduction Modern Molecular Photochemistry Modern Molecular Photochemistry of Organic Molecules Understanding and Manipulating Excited-State Processes (Molecular and Supramolecular Photochemistry) Modern Essentials Bundle - Modern Essentials *7th Edition* a Contemporary Guide to the Therapeutic Use of Essential Oils, an Intro to Modern Essentials, Reference Card, and Aroma Designs Bookmark Prepper Essentials: Prepper Essentials What Every Survivalist Needs To Know When Building The Ultimate SHTF Stockpile (Survival Handbook, DIY, Emergency ... Essentials Books, Emergency Prepared) Cellular and Molecular Immunology (Cellular and Molecular Immunology, Abbas) Principles of Molecular Virology (Standard Edition), Fourth Edition (Cann, Principles of Molecular Virology) Molecular Pathology of Nervous System Tumors: Biological Stratification and Targeted Therapies (Molecular Pathology Library) High Throughput Screening: Methods and Protocols (Methods in Molecular Biology) (Methods in Molecular Biology, 190) Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Molecular Cell Biology (Lodish, Molecular Cell Biology) Essentials of Molecular Pharmacology: Background for Drug Design DSP Architecture Design Essentials (Electrical Engineering Essentials)