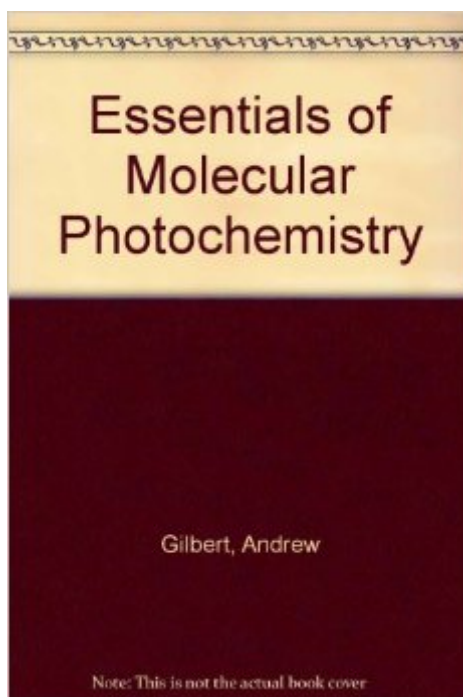


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Essentials Of Molecular Photochemistry



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 starsÂ Â See all reviewsÂ (1 customer review)

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

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I don't own this book, but I'd definitely 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.

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