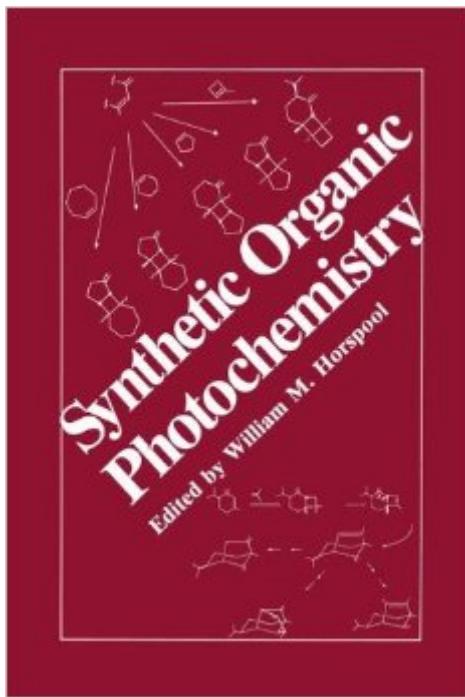


The book was found

Synthetic Organic Photochemistry



Synopsis

Of all major branches of organic chemistry, I think none has undergone such a rapid, even explosive, development during the past twenty-five years as organic photochemistry. Prior to about 1960, photochemistry was still widely regarded as a branch of physical chemistry which might perhaps have occasional applications in the generation of free radicals. Strangely enough, this attitude to the subject had developed despite such early signs of promise as the photodimerization of anthracene first observed by Fritzsche in 1866, and some strikingly original pioneering work by Ciamician and Silber in the early years of this century. These latter workers first reported such varied photo- reactions as the photoisomerization of carvenone to carvone camphor, the photodimerization of stilbene, and the photoisomerization of o-nitrobenzaldehyde to o-nitrosobenzoic acid; yet organic chemists continued for another fifty years or so to rely almost wholly on thermal rather than photochemical methods of activation in organic synthesis-truly a dark age. When my colleagues and I first began in the 1950s to study the synthetic possibilities of photoexcitation in the chemistry of benzene and its derivatives, virtually all the prior reports had indicated that benzene was stable to ultraviolet radiation. Yet I think it fair to say that more different types of photoreactions than thermal reactions of the benzene ring are now known. Comparable growth of knowledge has occurred in other branches of organic photochemistry, and photochemical techniques have in particular made possible or simplified the synthesis of numerous highly strained organic molecules.

Book Information

Hardcover: 534 pages

Publisher: Springer; 1984 edition (September 30, 1984)

Language: English

ISBN-10: 030641449X

ISBN-13: 978-0306414497

Product Dimensions: 6 x 1.2 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #6,738,860 in Books (See Top 100 in Books) #71 in Books > Science & Math > Chemistry > Photochemistry #212 in Books > Science & Math > Chemistry > Organic > Synthesis #493 in Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry

[Download to continue reading...](#)

Synthetic Organic Photochemistry Organic Molecular Photochemistry (Molecular and Supramolecular Photochemistry) Organic Photochemistry (Molecular and Supramolecular Photochemistry) Ace Organic Chemistry I: The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Organic Body Care Recipes Box Set: Organic Body Scrubs, Organic Lip Balms, Organic Body Butter, And Natural Skin Care Recipes Computational Methods in Photochemistry (Molecular and Supramolecular Photochemistry) Bioorganic Photochemistry, Photochemistry and the Nucleic Acids (Volume 1) Chiral Photochemistry (Molecular and Supramolecular Photochemistry) Natural Organic Hair and Skin Care: Including A to Z Guide to Natural and Synthetic Chemicals in Cosmetics Palladium in Heterocyclic Chemistry, Volume 20: A Guide for the Synthetic Chemist (Tetrahedron Organic Chemistry) Practical Synthetic Organic Chemistry Reactions, Principles, and Techniques [Wiley,2011] [Paperback] Methods for the Oxidation of Organic Compounds: Alcohols, Alcohol Derivatives, Alkyl Halides, Nitroalkanes, Alkyl Azides, Carbonyl Compounds, Hydrox (Best synthetic methods) (v. 2) Modern Synthetic Reactions (The Organic Chemistry Monograph Series) Synthetic Organic Electrochemistry, 2nd Edition Organic Homemade Lotion Recipes - For All Skin Types (The Best Lotion DIY Recipes): Lotion Making For Beginners (organic lawn care manual, organic skin care, beauty and the beast) Photochemistry of Organic Compounds: From Concepts to Practice Modern Molecular Photochemistry of Organic Molecules Electronic Aspects of Organic Photochemistry Organic Photochemistry and Pericyclic Reactions Elements of Organic Photochemistry

[Dmca](#)