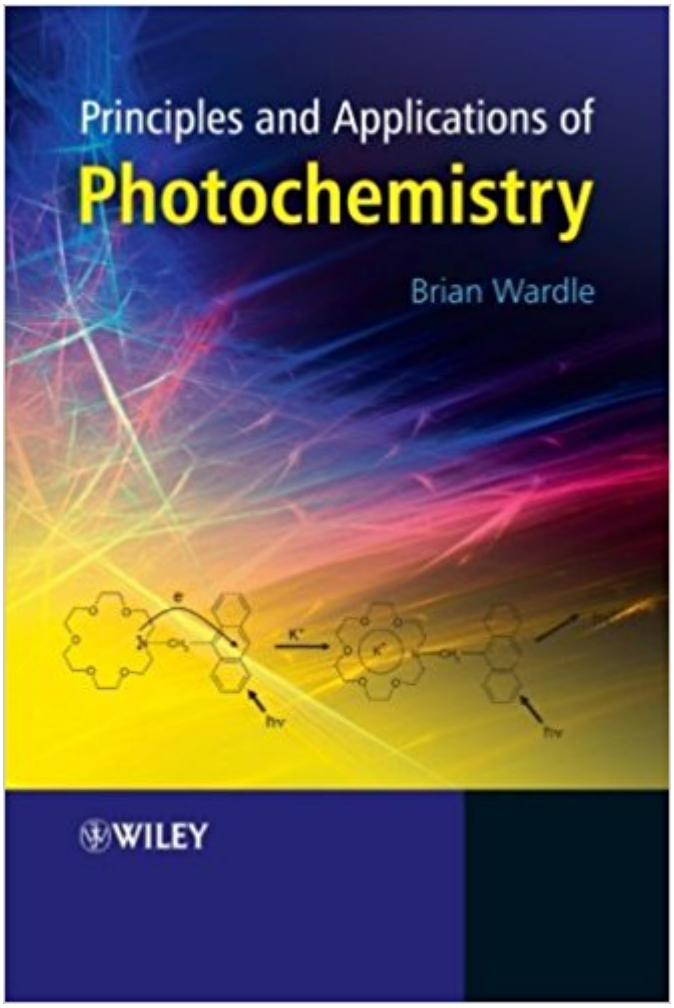
Principles And Applications Of Photochemistry



Synopsis

A modern introduction to photochemistry covering the principles and applications of this topic from both a physical chemistry and organic chemistry angle. Coverage ranges from subjects such as lasers, the atmosphere, biochemistry, medicine and industry and also includes the latest developmentsÃ Â in relation to photochemical molecular machines, photodynamic therapy applied to cancer, photochromatic imaging, and photostabilizers. Little in the way of prior knowledge is assumed, and the reader is aided by numerous worked examples, learning objectives, chapter summaries and problems.

Book Information

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Customer Reviews

Based on a course given by the author, this text provides an introduction to the principles and applications of photochemistry. Covering both principles and applications, the 12 chapters are organised in the following way: General introduction to the concepts of light and matter and their interaction resulting in electronically excited states Processes involving physical deactivation of the electronically excited states An overview of the chemical properties of excited states Photochemical reactions of Alkenes and Carbonyl Compounds Techniques used in photochemical reactions The outstanding progress that has been made in recent years Throughout Principles and Applications of Photochemistry, the readerÃ¢â ¬â„¢s understanding is enhanced with learning objectives, worked examples and chapter summaries. Written at a level suitable for undergraduates, this book is ideal for students in chemistry, physics and related topics, as well as serving more experienced researchers needing an introduction to this subject area. --This text refers to the Hardcover edition.

This is an excellent book of a relatively short size. The author is known in the filed photochemist. The book has an original approach to a classification of photochemical reactions. I strongly recommend it.

great photochemistry book, will recommend it for both beginnings and expect as a study guide and a reference material. nice

Principles and Applications of Photochemistry Photochemistry and Photophysics: Concepts, Research, Applications Principles of Molecular Photochemistry: An Introduction Photochemistry: Past, Present and Future Molecular Reactions and Photochemistry (Foundations of Modern Organic Chemistry) Modern Molecular Photochemistry The Kinetics of Environmental Aquatic Photochemistry (ACS Professional Reference Book) Photochemistry (Oxford Chemistry Primers) Photochemistry of Organic Compounds: From Concepts to Practice Handbook of Photochemistry, Third Edition Nutritional Foundations and Clinical Applications: A Nursing Approach, 5e (Foundations and Clinical Applications of Nutrition) Transportation Systems Analysis: Models and Applications (Springer Optimization and Its Applications) 3D Reconstruction: Methods, Applications and Challenges (Computer Science, Technology and Applications) Structural Analysis: With Applications to Aerospace Structures (Solid Mechanics and Its Applications) Encapsulation Technologies for Electronic Applications (Materials and Processes for Electronic Applications) Price Theory and Applications (with Economic Applications, InfoTrac 2-Semester Printed Access Card) Price Theory and Applications (with Economic Applications) Structural Equation Modeling with Mplus: Basic Concepts, Applications, and Programming (Multivariate Applications Series) Laboratory Applications in Microbiology: A Case Study Approach: Laboratory Applications in Microbiology: A Case Study Approach Intermediate Algebra: Concepts & Applications (9th Edition) (Bittinger Concepts & Applications)