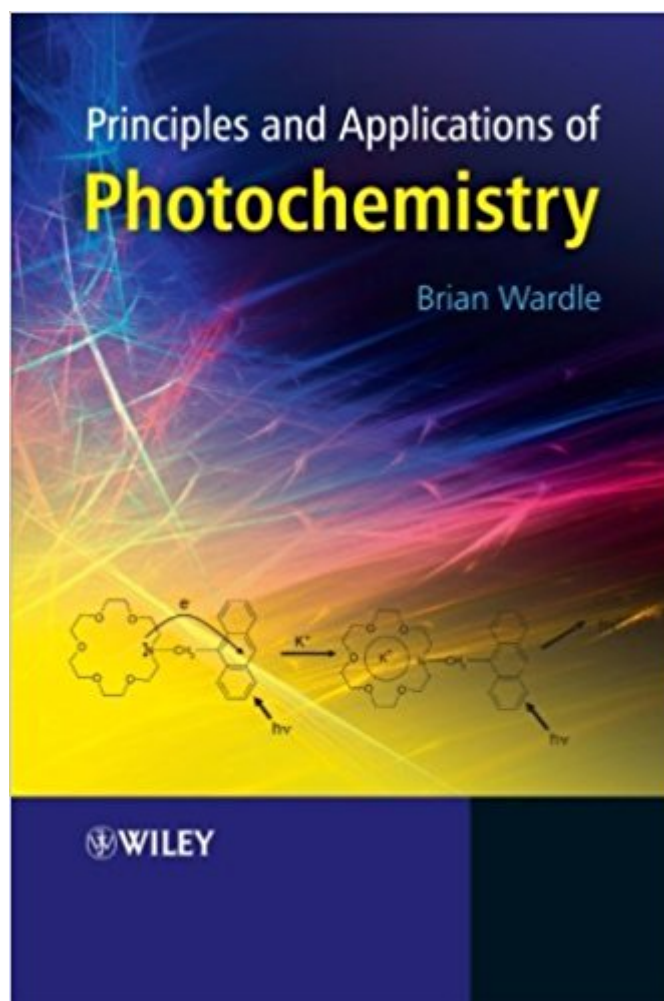


The book was found

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 developments 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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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 reader'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 field 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 expert as a study guide and a reference material. nice

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