



Fundamentals of Photochemistry (Third Edition)

By K K Rohatgi Mukherjee

New Age International (P) Limited, 2014. Softcover. Book Condition: New. 5th or later edition. The Fundamentals of Photochemistry was primarily written as a university level text book to introduce the subject to graduate, postgraduate and research students in the field of photophysics, photochemistry and photobiology. The book presents concepts, facts and theories of photophysical and photochemical phenomena in a complete and lucid manner. Photochemical reactions occur in the electronically excited states which, because of their multiplicity provide many pathways for the reaction to follow. The creation and detection of excited states and their physical and chemical properties have been discussed from their fundamentals. An attempt has been made to emphasize the importance of spectroscopy and group theory in the understanding of photochemistry. The book stresses the importance of the Frank-Condon principle in radiative and nonradiative transfer of energy. It also emphasizes the nature and role of singlet oxygen in photo-peroxidation, atmospheric photochemistry and environmental photochemistry. In the third edition all the mistakes, which had crept in the last printing, have been corrected. The material is designed to initiate the readers to actual study of a known photochemical reaction from simple observations to more sophisticated experiments in order to establish the...



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