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Femtosecond Chemistry: A Handbook In Two Volumes



Synopsis

Femtosecond chemistry is central to our understanding of chemical reactivity, with applications in many fields of chemistry and related sciences. This professional text provides a fully referenced introduction to this exploding new field. Leading authors, among them Nobel Laureate Lord George Porter and Ahmed Zewail, introduce the reader in a comprehensive manner to * general concepts * experimental techniques * theoretical approaches. Starting with a historical overview, this up-to-date and didactically well-organized compendium provides many textbook-type examples of exciting systems, from simple molecules and clusters to liquids, surfaces, solids, and biomolecules. This book is a valuable tool for researchers in molecular physics, theoretical chemistry, physical chemistry, quantum optics, cluster and surface science, and biophysical chemistry. But also newcomers and graduate students who want to know more about femtosecond chemistry will benefit from this volume.

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Customer Reviews

"Femtosecond chemistry" provides an in-depth synthesis concerning fundamentals and wide-ranging applications of this new field, presenting the possible ways of making progress in various domains of knowledge, mainly in physics and chemistry. All in all, the book offers a broad outlook of femtosecond chemistry (about 1000 references) as a new field, conditioning the comprehension of chemical reactivity, which offers a new and very efficient scientific overview for the rapid development of chemical reactions. Chemical researchers, professors - and generally

scientists who interfere with chemistry - will find in this book the satisfaction that only new can offer."

Memoriik Sectiilor Stiintifice

This comprehensive text provides an excellent overview of general concepts, experimental techniques and applications in femtosecond chemistry. Authors include Nobel laureate Lord G. Porter and A. Zewail

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