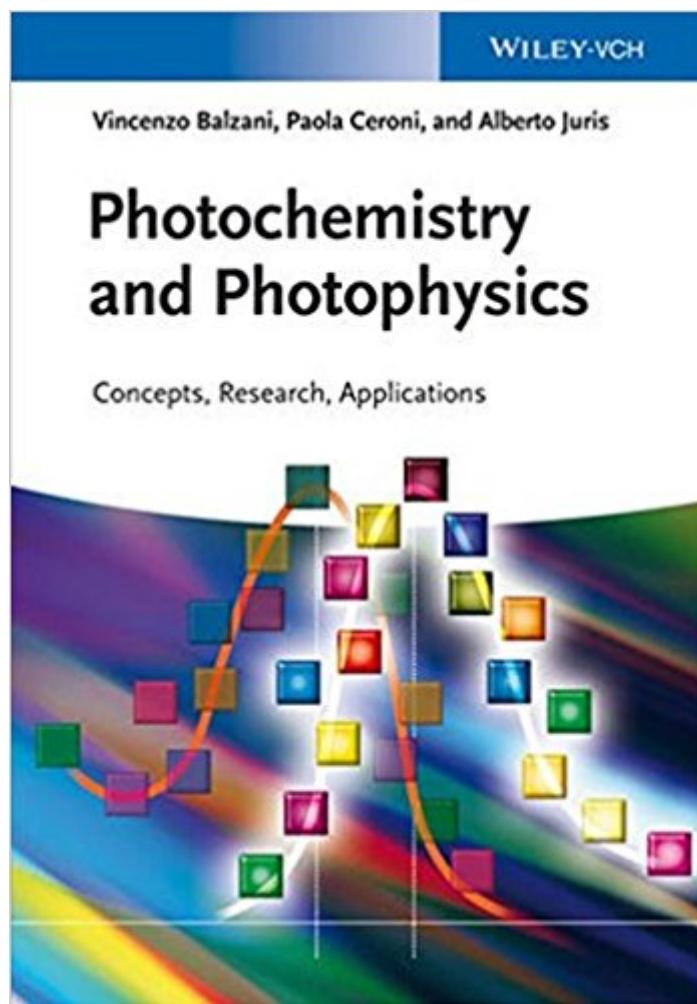


The book was found

Photochemistry And Photophysics: Concepts, Research, Applications



Synopsis

This textbook covers the spectrum from basic concepts of photochemistry and photophysics to selected examples of current applications and research. Clearly structured, the first part of the text discusses the formation, properties and reactivity of excited states of inorganic and organic molecules and supramolecular species, as well as experimental techniques. The second part focuses on the photochemical and photophysical processes in nature and artificial systems, using a wealth of examples taken from applications in nature, industry and current research fields, ranging from natural photosynthesis, to photomedicine, polymerizations, photoprotection of materials, holography, luminescence sensors, energy conversion, and storage and sustainability issues. Written by an excellent author team combining scientific experience with didactical writing skills, this is the definitive answer to the needs of students, lecturers and researchers alike going into this interdisciplinary and fast growing field.

Book Information

Paperback: 504 pages

Publisher: Wiley-VCH; 1 edition (June 9, 2014)

Language: English

ISBN-10: 3527334793

ISBN-13: 978-3527334797

Product Dimensions: 6.7 x 1 x 9.6 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,091,792 in Books (See Top 100 in Books) #4 in Books > Science & Math > Chemistry > Photochemistry #27 in Books > Science & Math > Chemistry > Nuclear Chemistry #391 in Books > Science & Math > Chemistry > Industrial & Technical

Customer Reviews

âœThis is a very timely book that provides an up to date presentation of photochemistry and photophysics in which the two subject areas are clearly interrelated.â• (Chemistry World, 14 October 2014)

This textbook covers the spectrum from basic concepts of photochemistry and photophysics to selected examples of current applications and research. Clearly structured, the first part of the text discusses the formation, properties and reactivity of excited states of inorganic and organic

molecules and supramolecular species, as well as experimental techniques. The second part focuses on the photochemical and photophysical processes in nature and artificial systems, using a wealth of examples taken from applications in nature, industry and current research fields, ranging from natural photosynthesis to photomedicine, polymerizations, photoprotection of materials, holography, luminescence sensors, energy conversion and storage, and sustainability issues. Written by an excellent author team combining scientific experience with didactical writing skills, this is the definitive answer to the needs of students, lecturers and researchers alike going into this interdisciplinary and fast growing field.

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

Photochemistry and Photophysics: Concepts, Research, Applications Photochemistry of Organic Compounds: From Concepts to Practice Principles and Applications of Photochemistry Photophysics of Carbon Nanotubes Interfaced with Organic and Inorganic Materials Polymer Photophysics Intermediate Algebra: Concepts & Applications (9th Edition) (Bittinger Concepts & Applications) Chirelstein's Federal Income Taxation: A Law Student's Guide to the Leading Cases and Concepts (Concepts and Insights) (Concepts and Insights Series) Photochemistry: Past, Present and Future Molecular Reactions and Photochemistry (Foundations of Modern Organic Chemistry) Principles of Molecular Photochemistry: An Introduction Modern Molecular Photochemistry The Kinetics of Environmental Aquatic Photochemistry (ACS Professional Reference Book) Photochemistry (Oxford Chemistry Primers) Handbook of Photochemistry, Third Edition Geometry: Concepts and Applications, Practice Workbook (GEOMETRY: CONCEPTS & APPLIC) Advanced Mathematical Concepts: Precalculus with Applications, Student Edition (ADVANCED MATH CONCEPTS) Structural Equation Modeling with Mplus: Basic Concepts, Applications, and Programming (Multivariate Applications Series) Abraham's the Forms and Functions of Tort Law: An Analytical Primer on Cases and Concepts (2nd Edition) (Concepts and Insights Series) Concepts and Case Analysis in the Law of Contracts (Concepts and Insights) Fundamental Nursing Skills and Concepts (Timby, Fundamnetal Nursing Skills and Concepts)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)