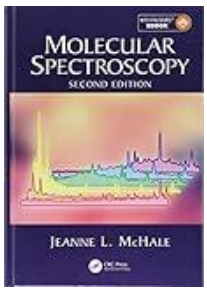
Science Collection



Molecular Spectroscopy

Author: Jeanne L. McHale
Publisher: CRC Press
Overview: A sophisticated bridge between quantum theory and experimental reality, this text redefines spectroscopy through the lens of time-dependent theory. It equips researchers across biology, materials science, and energy sectors with the tools to map molecular behaviour from the frequency domain to real-time dynamics. Read more.
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Introduction to Coordination Chemistry

Author: Paul V. Bernhardt and Geoffrey A. Lawrance
Publisher: Wiley
Overview: Paul V. Bernhardt and Geoffrey A. Lawrance provide a comprehensive, student-friendly introduction to the synthesis, structure, and mechanisms of metal-ligand complexes. This updated second edition bridges foundational inorganic principles with modern applications in nanotechnology, medicine, and industrial catalysis.
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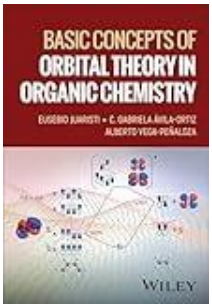

Basic Concepts of Orbital Theory in Organic Chemistry

Author: Eusebio Juaristi, C. Gabriela Avila-Ortiz, Alberto Vega-Peñaloza
Publisher: Wiley
Overview: This concise guide provides a quantum mechanical framework for understanding electron organization and molecular properties beyond traditional localized bonding models. By exploring orbital symmetry, stereoelectronic interactions, and the Hückel Method, Juaristi and colleagues equip students with the tools to predict complex organic reactions and molecular behaviour. Read more.
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