Infrared and Raman Spectra of Inorganic and Coordination Compounds. Applications in Coordination, Organometallic, and Bioinorganic Chemistry. 6th Edition

Description: New research findings, data, and the latest applications in infrared and Raman spectroscopy

The Sixth Edition of this classic publication continues to set the standard as the most comprehensive guide to infrared and Raman spectra of inorganic, coordination, organometallic, and bioinorganic compounds. From fundamental theories of vibrational spectroscopy to applications to a variety of compound types, all the topics in the Sixth Edition have been thoroughly updated with the most relevant findings and developments.

Part B of this two–volume work offers detailed descriptions of applications of infrared and Raman spectroscopy. In addition to general updating, the highlights of this edition are:

- New sections on metal complexes of chlorins, chlorophylls, phthalocyanines, and bacteriochlorophylls
- Vibrational spectra of novel coordination compounds prepared in inert gas matrices
- Resonance Raman spectra and biological significance of Fe(IV, V) porphyrins
- Vibrational spectra of cytochrome c oxidase and blue copper proteins
- Interactions of cisplatin with nucleic acids

Throughout the publication, references guide readers to the literature for more in–depth investigations into individual topics.

Used alone or in combination with Part A, which covers theory and applications in inorganic chemistry, this volume is an excellent reference for chemists working with infrared and Raman spectroscopy. In addition, both volumes are recommended as a textbook for graduate–level course work.

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