
Kazuo Nakamoto

DESCRIPTION

The Sixth Edition of this classic work comprises the most comprehensive and current guide to infrared and Raman spectra of inorganic, organometallic, bioinorganic, and coordination compounds. From fundamental theories of vibrational spectroscopy to applications in a variety of compound types, this has been extensively updated. New topics include the theoretical calculations of vibrational frequencies (DFT method), chemical synthesis by matrix co-condensation reactions, time-resolved Raman spectroscopy, and more. This volume is a core reference for chemists and medical professionals working with infrared or Raman spectroscopies and an excellent textbook for graduate courses.

ABOUT THE AUTHOR

Kazuo Nakamoto, PHD, received his DSc from Osaka University in 1953 and stayed on as a faculty member until 1957. In 1958, he joined the faculty at Clark University, moved to Illinois Institute of Technology in 1961, and then to Marquette University in 1969, where he became the university's first Wehr Professor of Chemistry. Dr. Nakamoto has directed the research of more than eighty-five graduate students and postdoctoral associates, and has published over 225 research papers, twenty review articles, and twelve books.
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