Electronic And Photoelectron Spectroscopy

Provides a firm grounding in the principles and techniques employed in electronic and photoelectron spectroscopy.Electronic and photoelectron spectroscopy can provide extraordinarily detailed information on the properties of molecules and are in widespread use in the physical and chemical sciences. Applications extend beyond spectroscopy into important areas such as chemical dynamics, kinetics and atmospheric chemistry. This 2005 book aims to provide the reader with a firm grounding of the basic principles and experimental techniques employed. The extensive use of case studies effectively illustrates how spectra are assigned and how information can be extracted, communicating the matter in a compelling and instructive manner. Topics covered include laser-induced fluorescence, resonance-enhanced multiphoton ionization, cavity ringdown and ZEKE spectroscopy. The volume is for advanced undergraduate and graduate students taking courses in spectroscopy and will also be useful to anyone encountering electronic and/or photoelectron spectroscopy during their research. EAN/ISBN : 9780511079016 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Ellis, Andrew M. - Feher, Miklos - Wright, Timothy G.

DOWNLOAD HERE