

CONTENTS

Preface	vii
Contributors, Volume I	ix
Contents, Volume II	xi
Contributors, Volume II	xiii
1 Ligand Field Theory and the Properties of Transition Metal Complexes	1
<i>A.B.P. Lever and E.I. Solomon</i>	
2 Electron Paramagnetic Resonance Spectroscopy	93
<i>A. Bencini and D. Gatteschi</i>	
3 Mössbauer Spectroscopy	161
<i>P. Gülich and J. Ensling</i>	
4 Polarized Absorption Spectroscopy	213
<i>M.A. Hitchman and M.J. Riley</i>	
5 Luminescence Spectroscopy	259
<i>T.C. Brunold and H.U. Güdel</i>	
6 Laser Spectroscopy	307
<i>E. Krausz and H. Riesen</i>	
7 IR, Raman, and Resonance Raman Spectroscopy	353
<i>R.S. Czernuszewicz and T.G. Spiro</i>	
8 Photoelectron Spectra of Inorganic and Organometallic Molecules in the Gas Phase Using Synchrotron Radiation	443
<i>G.M. Bancroft and Y.F. Hu</i>	
9 X-Ray Absorption Spectroscopy and EXAFS Analysis: The Multiple-Scattering Method and Applications in Inorganic and Bioinorganic Chemistry	513
<i>H.H. Zhang, B. Hedman, and K.O. Hodgson</i>	