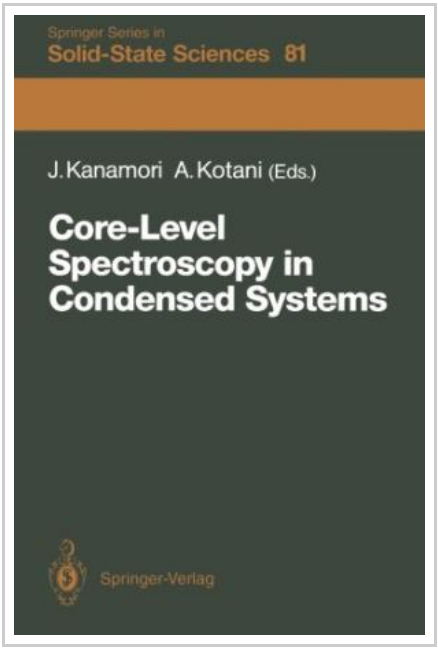

Core-Level Spectroscopy in Condensed Systems

By Kanamori, Junjiro / Kotani, Akio

Book Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the Tenth Taniguchi International Symposium, Kashikojima, Japan, October 19-23, 1987 | Core-level Spectroscopy in Condensed Systems describes howrecent improvement of various experimental methods, togetherwith new light and x-ray sources, have provided freshinformation about the electronic states and atomicstructures of a wide variety of materials. The topicscoveredrange from the high-energy spectroscopy of bulkelectronic states of rare-earth and transition metals andcompounds, including high T superconductors, to recentdevelopments in photoelectron diffraction and other surfaceproblems, all with emphasis on theoretical aspects. | I Introductory Survey.- Many-Body Effects in Core-Level Spectroscopy of Solids.- One-Electron Transitions in the XANES of Condensed Systems.- II Many-Body Effects in f-Electron Systems.- Theory of High Energy Spectroscopy in CeO2.- Theory of PES and BIS Including f2 State for Ce-Compounds.- Photoemission Spectra of CeCu2Si2 and CeInCu2.- Resonant Photoemission Spectra of Ce Compounds.- Secondary X-Ray Radiation by Core-Level Excitation.- III Many-Body Effects in d-Electron Systems.- Ab Initio Calculation of the Parameters in the Anderson Model.- Electronic Structure of Transition Metal Compounds as Studied by High Energy Spectroscopies.- Origin of 2p Core-Level XPS Satellites in the Late 3d Transition Metal Dihalides.- Photoemission Satellites and Their Implications for the Electronic and Magnetic Properties of 3d...

Reviews

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