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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The interaction of x-rays with matter -- Synchrotron physics -- Free-electron lasers -- Beamlines -- Scattering techniques -- Spectroscopic techniques -- Imaging techniques.
Sommario/riassunto	"Sales handles: -In-depth descriptions of the latest x-ray-source technologies, notably diffraction-limited storage rings and x-ray free-electron lasers -The latest advances in instrumentation, x-ray optics, and experimental methods in synchrotron radiation -The most recent developments in macromolecular crystallography, time-resolved studies, and imaging techniques -A comprehensive set of problems for each chapter, plus their ideal solutions in the appendices. Market description: Journals: Journal of Synchrotron Radiation (Wiley-Blackwell), Synchrotron Radiation News (T&F) Conferences:Synchrotron Radiation Instrumentation; Synchrotron Radiation in Polymer Science; European Conference on X-Ray Spectrometry (EXRS); Medical Applications of Synchrotron Radiation conference"--