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Nota di contenuto	1. Introductory Chapter: Ion Beam Technology and Applications -- 2. Ion Beam Application to Nuclear Material Damage Assessment -- 3. Surface Microstructure Changes Induced by Ion Beam Irradiation -- 4. Oblique Ar+ Sputtered SiC Thin Films: Structural, Optical, and Electrical Properties -- 5. Electron Beam Processing of Biological Objects and Materials -- 6. DC Parallel Ribbon Ion Beams for High-Dose Processes.
Sommario/riassunto	The scientific and commercial purposes of ion beams are remarkable in many fields because ion beam technology is a primary tool that provides a wide range of applications in science, medicine, space, and engineering. This book presents theoretical and experimental knowledge about ion beam applications and technology. It includes six chapters that address such topics as the interaction of ion beams with matter, the evaluation of nuclear material damage, surface microstructure changes, oblique Ar+ sputtered SiC thin films, electron beam processing, and ribbon ion beams.