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Nota di contenuto	Amplitude Modulation Atomic Force Microscopy; Contents; Preface; Annotation List; 1 Introduction; 2 Instrumental and Conceptual Aspects; 3 Tip-Surface Interaction Forces; 4 Theory of Amplitude Modulation AFM; 5 Advanced Theory of Amplitude Modulation AFM; 6 Amplitude Modulation AFM in Liquid; 7 Phase Imaging Atomic Force Microscopy; 8 Resolution, Noise, and Sensitivity; 9 Multifrequency Atomic Force Microscopy; 10 Beyond Topographic Imaging; References; Index
Sommario/riassunto	Filling a gap in the literature, this book features in-depth discussions on amplitude modulation AFM, providing an overview of the theory, instrumental considerations and applications of the technique in both academia and industry. As such, it includes examples from material science, soft condensed matter, molecular biology, and biophysics, among others. The text is written in such a way as to enable readers from different backgrounds and levels of expertise to find the information suitable for their needs.