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Sommario/riassunto

Recent developments in atomic force microscopy (AFM) have been accomplished through various technical and instrumental innovations, including high-resolution and recognition imaging technology under physiological conditions, fast-scanning AFM, and general methods for cantilever modification and force measurement. All these techniques are now highly powerful not only in material sciences but also in basic biological sciences. There are many nanotechnology books that focus on materials, instruments, and applications in engineering and medicine, but only a few of them are directed toward basic