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Sommario/riassunto	The first in-depth treatment of the synthesis, processing, and characterization of nano materials using lasers, ranging from fundamentals to the latest research results, this handy reference is divided into two main sections. After introducing the concepts of lasers, nano materials, nano architectures and laser-material interactions in the first three chapters, the book goes on to discuss the synthesis of various nano materials in vacuum, gas and liquids. The second half discusses various nano material characterization techniques involving lasers, from Raman and photoluminescence spectroscopies