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Nota di contenuto	section 1. Introduction -- section 2. Skeletal tissue engineering -- section 3. Regeneration of sensory system -- section 4. Tissue engineering strategies to improve transport, metabolic, and synthetic functions -- section 5. Additive manufacturing-based tissue engineering -- section 6. Translational aspects of tissue engineering.
Sommario/riassunto	Nanotechnology and high-end characterization techniques have highlighted the importance of the material choice for the success of tissue engineering. A paradigm shift has been seen from conventional passive materials as scaffolds to smart multi-functional materials that can mimic the complex intracellular milieu more effectively. This book presents a detailed overview of the rationale involved in the choice of materials for regeneration of different tissues and the future directions in this fascinating area of materials science with specific chapters on regulatory challenges & ethics; tissue engineered medical products.