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Altri autori (Persone)	PadianKevin LammEllen-Therese <1966->
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Nota di contenuto	Front matter -- Contents -- Preface -- Authors and Contributors -- 1. Why Study the Bone Microstructure of Fossil Tetrapods? -- 2. The Biology of Bone -- 3. Selection of Specimens -- 4. Preparation and Sectioning of Specimens -- 5. Image Standardization in Paleohistology -- 6. Database Standardization -- 7. Skeletochronology -- 8. Analysis of Growth Rates -- 9. Evolution of Growth Rates and Their Implications -- 10. Research Applications and Integration -- LITERATURE CITED
Sommario/riassunto	The microscopic examination of fossilized bone tissue is a sophisticated and increasingly important analytical tool for understanding the life history of ancient organisms. This book provides an essential primer and manual for using fossil bone histology to investigate the biology of extinct tetrapods. Twelve experts summarize advances in the field over the past three decades, reviewing fundamental basics of bone microanatomy and physiology. Research specimen selection, thin-section preparation, and data analysis are addressed in detail. The authors also outline methods and issues in bone growth rate calculation and chronological age determination, as well as how to examine broader questions of behavior, ecology, and evolution by studying the microstructure of bone.