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Altri autori (Persone)	DengHong-wen LiuYao-zhong
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Nota di contenuto	CONTENTS; PREFACE; CHAPTER 1 INTERNATIONAL CHINESE HARD

TISSUE SOCIETY THE POWER THAT CONNECTS THE WORLD OF SCIENCE AND CULTURE; CHAPTER 2 INTEGRATED BONE TISSUE ANATOMY AND PHYSIOLOGY; CHAPTER 3 SKELETAL STEM CELLS; CHAPTER 4 OSTEOCLAST BIOLOGY; CHAPTER 5 INTERCELLULAR COMMUNICATION OF OSTEOBLAST AND OSTEOCLAST IN BONE DISEASES; CHAPTER 6 OSTEOCLASTS AND INFLAMMATORY OSTEOLYSIS; CHAPTER 7 ENDOCHONDRAL BONE FORMATION AND EXTRACELLULAR MATRIX; CHAPTER 8 BONE MORPHOGENETIC PROTEINS IN BONE FORMATION AND DEVELOPMENT; CHAPTER 9 MECHANICAL TESTING FOR BONE SPECIMENS  
CHAPTER 10 ESTROGENS AND ANDROGENS ON BONE METABOLISMCHAPTER 11 PHYTOESTROGENS AND BONE HEALTH: MECHANISMS OF ACTION; CHAPTER 12 REGULATION OF BONE REMODELING; CHAPTER 13 TGFB IN CHONDROCYTE BIOLOGY AND CARTILAGE PATHOLOGY; CHAPTER 14 BONE HEALTH IN CHILDREN AND ADOLESCENTS; CHAPTER 15 THE MECHANOSTAT HYPOTHESIS FOR BONES AND OTHER SKELETAL ORGANS; CHAPTER 16 MECHANOTRANSDUCTION AND ITS ROLE IN BONE ADAPTATION; CHAPTER 17 BIO-PATHOLOGY OF BONE TUMORS; CHAPTER 18 BONE TISSUE ENGINEERING; CHAPTER 19 BONE GENETIC FACTORS DETERMINED USING MOUSE MODELS  
CHAPTER 20 RECENT ADVANCES IN BONE BIOLOGY RESEARCHAPPENDIX AN INTRODUCTION TO HOLOGIC TECHNOLOGY; INDEX

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**Sommario/riassunto**

This book covers a wide spectrum of areas related to basic bone research. While bone remodeling, bone development, and osteoclast biology constitute the main contents, topics important to the understanding of bone metabolism and treatment of bone-related diseases are also intensively reviewed. Three chapters are dedicated to the classic topic of bone mechanics, which include a brief overview of the mechanostat hypothesis, a more detailed review on mechanotransduction and bone adaptation, and a chapter illustrating the basic principles of bone mechanical testing. New emerging fields such as ske

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