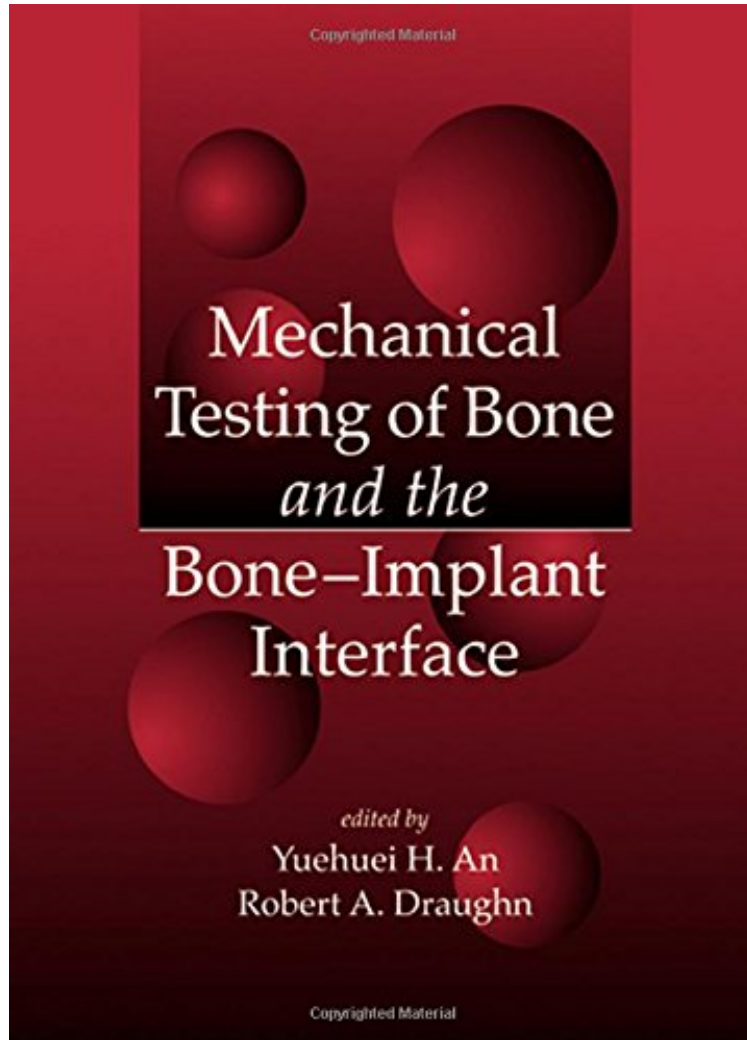


Mechanical Testing of Bone and the Bone-Implant Interface

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The mechanical properties of whole bones, bone tissue, and the bone-implant interfaces are as important as their morphological and structural aspects. Mechanical Testing of Bone and the Bone-Implant Interface helps you assess these properties by explaining how to do mechanical testing of bone and the bone-implant interface for bone-related research. Articles explore the basic mechanical principles of bone-related study and how to conduct mechanical testing

of bone specimens. More practical than theoretical, the text includes 42 chapters in three sections that cover mechanical properties of bone, general considerations of mechanical testing, basic facilities and instruments for mechanical testing; mechanical testing procedures on bone tissues; and mechanical testing procedures on the implant-bone interface. There are approximately three hundred illustrations, including line drawings, diagrams, tables, and photographs. Mechanical Testing of Bone and the Bone-Implant Interface is the most concise, straightforward, and in-depth treatment ever to be published - long needed by the orthopedic and bone research communities.