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Biomaterials: A Basic Introduction

By Qizhi Chen, George Thouas

Apple Academic Press Inc. Hardback. Book Condition: new. BRAND NEW, Biomaterials: A Basic Introduction, Qizhi Chen, George Thouas, Explores Biomedical Science from a Unique Perspective Biomaterials: A Basic Introduction is a definitive resource for students entering biomedical or bioengineering disciplines. This text offers a detailed exploration of engineering and materials science, and examines the boundary and relationship between the two. Based on the author's course lecture notes and many years of research, it presents students with the knowledge needed to select and design biomaterials used in medical devices. Placing special emphasis on metallic, ceramic, polymeric, and composite biomaterials, it explains the difference between materials science and materials engineering, introduces basic concepts and principles, and analyzes the critically important properties of biomaterials. Explains Complex Theories Using Aspects of Daily Life This text provides an appropriate balance between depth and broadness of coverage, and offers an understanding of the most important concepts and principles to students from a wide academic spectrum. It delivers the science of biomaterials in laymen terms, from a material standpoint, as well as a clinical applications point of view. It equips students majoring in materials science/engineering with knowledge on the fundamentals of how biomaterials behave at a biological...



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