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S. C. Tjong
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Advances in Biomedical Sciences and Engineering

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About the eBook

This authoritative reference provides updated information on the fundamental aspects and applications of biomaterials - such as nickel-titanium alloys, bioactive bone cement and polymer nanocomposites. This Ebook also describes the response of cells to ionizing radiation such as DNA damage responses in zebrafish.

Contents

- ▶ Metallic Implants for Spinal Deformity Correction
- ▶ Plasma Surface Modification of Nickel Titanium Shape Memory Alloys
- ▶ Strontium Containing Bioactive Bone Cement for Orthopedic Applications
- ▶ Synthesis and Properties of Nano-Hydroxyapatite/ Polymer Nanocomposites for Bone Tissue Engineering
- ▶ Fabrication, Mechanical Property and Biocompatibility of Carbon Nanotube/Polymer Nanocomposites
- ▶ Response of Cells to Ionizing Radiation
- ▶ In Vivo Studies of α -Particle Radiation Effects Using Zebrafish Embryos

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