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Sommario/riassunto	This book is a compilation of the contributions by the outstanding scientists who attended the 1st Asian Biomaterials Congress. The 1st Asian Biomaterials Congress is the first integrated meeting on Asian biomaterials and was held in Tsukuba from 6 - 8 December 2007. The book showcases the latest and research developments in biomaterials and tissue engineering in Asia. It provides an overview of the recent advances of metallic, ceramic and polymeric materials, their composites, biomechanics, and bio-nanotechnology. It also includes the applications of biomaterials, including implantable medica