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Altri autori (Persone)	ChandraPranjal
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Nota di contenuto	Introduction to Nanobiomedicine and Nanobioelectrochemistry -- Engineered Nanomaterials for Biomedicine: Surface Modification Strategies -- Nanobioelectrochemical Approach in Nanobiodevices and Nanobiomedicines -- Functionalized Nanomaterials for Nanobiomedicines and Cancer Diagnosis -- Engineered Metal Nanoclusters in Nanobiomedicines and Clinical Diagnosis -- Functionalized Nanoclays in Nanomedicine and Clinical Diagnostics -- Role of the Functionalized Carbon Nanotubes in Nanodiagnostic Devices and Nanobiomedicines -- Engineered Nanomaterials: Application in Diagnostics Device and Nanobiomedicines -- Functionally Engineered Nanomaterials: Application in Nanobiomedicines and Cancer Diagnosis -- Porous Nanobiomaterials in Nanobiomedicines and Diagnosis -- Functionalized Nanomaterials in Nanobiomedicines and Diagnostic Devices -- Nanomaterial functionalization strategies for Nanobiomedicines and Point-of-Care

	Devices -- Engineered Carbon Nano-materials in Nanobiomedicine and Point of Care Diagnostics -- Nanotechnology and Nanobiomedicine in clinical diagnostics -- Role of Nano-Perovskites in Electrochemical Biomolecular Detection Diagnosis and Nanobiomedicines.
Sommario/riassunto	The book is about the application of nanotechnology in the field of medicine, with a focus on diagnosis and therapy. The first few chapters introduce the basics of material engineering and nanobiomedicine, followed by chapters on different types of engineered nanomaterials and their surface modification strategies for biomedicine. The book then covers the application of nanobiomedicines and nanodiagnostics in clinical settings, and how functionalized nanomaterials can be used in microfluidic biosensors and diagnosis devices. The latter half of the book discusses various nanobiomaterials used in cancer diagnosis and therapy, as well as regenerative medicine, infectious diseases, and bioimaging. The book concludes with a chapter on the commercial aspects of nanobiomedicines.