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Collana	Woodhead Publishing series in biomaterials
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Sommario/riassunto	Carbon and Graphene Quantum Dots for Biomedical Applications provides a single point of reference for understanding the biomedical potential of quantum dots. The book covers the synthesis and properties of various carbon and graphene quantum dots, with advanced discussion on the challenges faced during synthesis according to type, structure, size, functionalization and composition. Key biomedical applications are described, including bioimaging, biosensing, antimicrobial and drug delivery. The benefits and issues of utilizing carbon and graphene quantum dots in biomedical applications are addressed in detail, evaluating vital aspects such as cytotoxicity, inhibition concentration and point-of-care-specific challenges. This

book offers an exciting and thorough overview of this emerging area for academics and researchers in the fields of materials science, biomedical engineering, nanotechnology, and pharmaceutical science, as well as for R&D groups in biosensing and drug development.