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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Carbon Dot Synthesis -- Characterization and Phyisical Properties of C-Dots -- Biological Applications of Carbon Dots -- Bio-imaging Applications of Carbon Dots -- Carbon Dots in Sensing Applications -- Materials Science Applications of Carbon Dots -- Carbon Dot-containing composite Materials -- Conclusions and future outlook.
Sommario/riassunto	This book introduces the various aspects of the emerging field of carbon dots. Their structural and physico-chemical properties as well as their current and future potential applications are covered. A special chapter on graphene quantum dots is provided. The reader will also find different synthesis routes for carbon quantum dots.