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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Synthesis, Structure and Characterizations -- Spatially-resolved spectroscopy and microscopy of single-layer graphene oxide and reduced graphene oxide -- Chemistry of Graphene Oxide -- GO/rGOs as Advanced Materials for Energy Storage and Conversion -- Graphene Oxides in Filtration and Separation Applications.
Sommario/riassunto	This book focuses on a group of new materials labeled "graphene oxides." It provides a comprehensive overview of graphene oxide-based nanomaterials in terms of their synthesis, structures, properties, and extensive applications in catalysis, separation, filtration, energy storage, and conversion. The book also covers emerging research on graphite oxides and the impact of the research on fundamental and applied sciences.