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Nota di contenuto	Fundamentals of Electric Capacitor. -- Fundamentals of Electrochemical Double-Layer Supercapacitors. -- Fundamentals of Electrochemical Pseudocapacitors. -- Components and Materials for Electrochemical Supercapacitors. -- Electrochemical Supercapacitor Design, Fabrication and Operation. -- Electrochemical Supercapacitor Systems and Their Coupling with Batteries and Fuel Cells -- Characterization and Diagnosis Techniques for Electrochemical Supercapacitors. -- Applications of Electrochemical Supercapacitors. -- Challenges and Perspectives of Electrochemical Supercapacitors.
Sommario/riassunto	An overview of electrochemical supercapacitors (ES), this book summarizes the fundamental sciences involved in ES operation and the technological developments in materials science and engineering for materials fabrication.