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Descrizione fisica	1 online resource (VIII, 345 p. 153 illus., 114 illus. in color.)
Collana	Engineering materials
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Nota di contenuto	Introduction -- Synthesis and characterization of various conducting polymers -- Properties of Conducting Polymers -- Energy Harvesting Devices photovoltaic, thermoelectric and piezoelectric -- Energy Storage Devices supercapacitors and batteries -- Nanoelectronic Devices (field effect transistors, light emitting diodes, field emission and electrochromic displays.
Sommario/riassunto	This book presents synthesis methods, characterization techniques, properties and applications of hybrid conducting polymers. Special emphasis is given to the applications of hybrid conductive polymers, with chapters ranging from electronic devices, environmental remediation, and sensors, to medical applications.