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| Soggetti | Electric conductors<br>Electronic apparatus and appliances<br>Electronic books. |
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| Nota di contenuto | Front Cover; Handbook of Advanced Electronic and Photonic Materials and Devices; Copyright Page; Contents; About the Editor; List of Contributors; Volume Listing; Chapter 1. SYNTHESIS, ELECTRICAL, AND OPTICAL PROPERTIES OF CONJUGATED POLYMERS; Chapter 2. CONJUGATED POLYMER FILMS FOR MOLECULAR AND IONIC RECOGNITION; Chapter 3 . POLYACETYLENE AND ITS ANALOGS: SYNTHESIS AND PHYSICAL PROPERTIES; Chapter 4. SYNTHESIS, PROPERTIES, AND APPLICATIONS OF POLY(p-PHENYLENE VINYLENE)S; Chapter 5. SELF-ORGANIZED SUPRAMOLECULAR POLYMER STRUCTURES TO CONTROL ELECTRICAL CONDUCTIVITY<br>Chapter 6. SPECTROELECTROCHEMISTRY OF CONDUCTING POLYMERS<br>Chapter 7. ELECTRONIC SPECTRA OF CONJUGATED POLYMERS AND OLIGOMERS; Chapter 8. STABILITY OF ELECTRICALLY CONDUCTING POLYMERS; Index |
| Sommario/riassunto | Electronic and photonic materials discussed in this handbook are the key elements of continued scientific and technological advances in the 21st century. The electronic and photonic materials comprising this handbook include semiconductors, superconductors, ferroelectrics, liquid crystals, conducting polymers, organic and superconductors, |

conductors, nonlinear optical and optoelectronic materials, electrochromic materials, laser materials, photoconductors, photovoltaic and electroluminescent materials, dielectric materials, nanostructured materials, supramolecular and self-asemblies, silicon a