

1. Record Nr.	UNINA9910784566703321
Titolo	Handbook of advanced electronic and photonic materials and devices . Volume 8 Conducting polymers // edited by Hari Singh Nalwa ; foreword by Nicolaas Bloembergen, Nobel Laureate
Pubbl/distr/stampa	San Diego, [California] : , : Academic Press, , 2001 ©2001
ISBN	0-08-053337-X
Descrizione fisica	1 online resource (383 p.)
Disciplina	537.2
Soggetti	Electric conductors Electronic apparatus and appliances
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
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 Chapter 6. SPECTROELECTROCHEMISTRY OF CONDUCTING POLYMERS 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-assemblies, silicon a
