

1. Record Nr.	UNINA9910830371703321
Autore	Mullen K (Klaus)
Titolo	Electronic materials [[electronic resource] ] : the oligomer approach // K. Mullen [et al.]
Pubbl/distr/stampa	Weinheim ; ; New-York, : Wiley-VCH, c1998
ISBN	1-282-01026-3 9786612010262 3-527-60322-0 3-527-61205-X
Descrizione fisica	1 online resource (630 p.)
Altri autori (Persone)	WegnerGerhard <1940->
Disciplina	547.7 621.381
Soggetti	Oligomers Chemistry, Technical
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 and index.
Nota di contenuto	Electronic Materials : The Oligomer Approach; Contents; 1 Hydrocarbon Oligomers; 2 Sulfur-Containing Oligomers; 3 Nitrogen-Containing Oligomers; 4 Oligomeric Metal Complexes; 5 Crystal Structure; 6 Structure and Optical Properties of Conjugated Oligomers from their Vibrational Spectra; 7 Electronic Excitation; 8 Nonlinear Optical Properties of Oligomers; 9 Electrochemical Properties; 10 Optical Applications; 11 Field-Effect Transistors Based on Conjugated Materials; Index
Sommario/riassunto	Electroactive oligomers form an important class of advanced materials for the development of new devices such as thin-film, flexible batteries; semiconductors; large-area optical displays; and sensors. In addition, the study of oligomeric model compounds is an essential prerequisite for understanding and developing polymers for electronics and optoelectronics applications. Written and edited by leading scientists in the field, this applications-oriented handbook represents the first comprehensive, systematic study of electroactive oligomeric materials. Special emphasis is placed on a cr

