

1. Record Nr.	UNINA990001866120403321
Autore	Chiaromonte, Alfonso
Titolo	La inutilita della disinfestione al calore del seme di cotone, prodotto in luogo, come mezzo di lotta preventiva contro la Platyedra (Platyedra gossypiella Saund.) nella Somalia Italiana / Alfonso Chiaromonte
Pubbl/distr/stampa	Firenze : ..., 1931
Descrizione fisica	6 p. ; 23 cm
Disciplina	632.9
Locazione	FAGBC
Collocazione	60 MISC. B 132/19
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Estr. da: Atti del primo Congresso di studi Coloniali, Firenze, 8-12 aprile 1931

2. Record Nr.	UNINA9910830240103321
Titolo	Conjugated polymer synthesis : methods and reactions // edited by Yoshiki Chujo
Pubbl/distr/stampa	Weinheim : , : Wiley-VCH, , [2010] ©2010
ISBN	3-527-63266-2 3-527-63267-0
Edizione	[4th ed.]
Descrizione fisica	1 online resource (331 p.)
Altri autori (Persone)	ChujoY (Yoshiki)
Disciplina	547.70457
Soggetti	Conjugated polymers
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	Conjugated Polymer Synthesis: Methods and Reactions; Contents; Preface; List of Contributors; 1 Organometallic Polycondensation for Conjugated Polymers; 1.1 Basic Organometallic C-C Coupling; 1.2 Syntheses of -Conjugated Polymers; 1.3 Optical Properties; 1.3.1 UV-Vis Data; 1.3.2 Photoluminescence; 1.3.3 Other Optical Properties; 1.4 Redox Behavior and Electrical Conductivity; 1.5 Linear Structure and Alignment on the Surface of Substrates; 1.6 Stacking in the Solid and Colloid; 1.7 Chemical Reactivity and Catalysis; 1.7.1 Metal Complexes and Modification of Nitrogen 1.8 Electronic and Optical Devices (ECD, Battery, EL, Diode, Transistor, Nonlinear Optical Device, etc.)1.8.1 Redox Functions; 1.8.2 Electronic and Optical Devices; 1.9 Conclusions; References; 2 Catalyst-Transfer Condensation Polymerization for Precision Synthesis of -Conjugated Polymers; 2.1 Introduction; 2.2 Kumada-Tamao Coupling Polymerization with Ni Catalyst; 2.2.1 Polythiophene; 2.2.1.1 Discovery and Mechanism of Catalyst-Transfer Condensation Polymerization; 2.2.1.2 A Variety of Monomers; 2.2.1.3 Block Polythiophenes; 2.2.1.4 Block Copolymers of Polythiophene and Other Polymers 2.2.1.5 Graft Copolymers2.2.2 Polyphenylenes; 2.2.3 Polypyrroles; 2.2.4 Polyfluorenes and Polycarbazoles; 2.3 Suzuki-Miyaura Coupling Polymerization with Pd Catalyst; 2.3.1 Polyfluorenes; 2.3.2 Polyphenylenes; 2.4 Conclusion; References; 3 Regioregular and

Regiosymmetric Polythiophenes; 3.1 Introduction; 3.2 Synthesis of Polythiophene and Regioirregular Polythiophenes; 3.3 Head-to-Tail Coupled Regioregular Poly(3-Alkylthiophene)s; 3.3.1 Design and Synthesis of rrP3ATs; 3.3.1.1 McCullough Method; 3.3.1.2 Rieke Method; 3.3.1.3 GRIM Method; 3.3.1.4 Palladium-Catalyzed Polymerization Methods
 3.3.2 Mechanism of the Nickel-Catalyzed Polymerization
 3.4 Side Chain Functionalized HT Regioregular Polythiophenes; 3.4.1 Heteroatom-Containing Groups; 3.4.2 Aromatic-Containing Group; 3.4.3 Chiral Groups; 3.4.4 -Functionalized Groups; 3.5 End Group Functionalized HT Regioregular Polythiophenes; 3.5.1 Postpolymerization End Group Functionalization; 3.5.2 In Situ End Group Functionalization; 3.6 Block Copolymers Derived from HT Regioregular Polythiophenes; 3.6.1 All-Conjugated Block Copolymers; 3.6.2 Conjugated-Non-Conjugated Block Copolymers; 3.7 Universal Use of the GRIM Method
 3.8 Regiosymmetric Polythiophenes
 3.9 Summary; References; 4 Functional Hyperbranched Polymers Constructed from Acetylenic An-Type Building Blocks; 4.1 Introduction; 4.2 Hyperbranched Polymers Constructed from Acetylenic An-Type Building Blocks; 4.2.1 Hyperbranched Poly(Alkylphenylene)s (hb-PAPs); 4.2.1.1 Synthesis; 4.2.1.2 Structures; 4.2.1.3 Properties; 4.2.2 Hyperbranched Poly(Arylenophenylene)s (hb-PAPs); 4.2.2.1 Synthesis; 4.2.2.2 Structures; 4.2.2.3 Properties; 4.2.3 Hyperbranched Poly(Aroylphenylene)s (hb-PAKPs) and Poly(Aroxycarbonylphenylene)s (hb-PAePs); 4.2.3.1 Synthesis
 4.2.3.2 Structures

Sommario/riassunto

Edited and authored by top international experts, this first book on conjugated polymers with a focus on synthesis provides a detailed overview of all modern synthetic methods for these highly interesting compounds.
