1. Record Nr. UNINA9910551864103321

Autore	Venuso Maria
Titolo	Giselle e il teatro musicale : nuove visioni per la storia del balletto / / Maria Venuso
Pubbl/distr/stampa	Polistampa
Disciplina	792
Soggetti	Musical theater - Europe - 19th century - History Romanticism in music Ballet - Europe - History Ballet - Europe - Histoire Theatre musical - Europe - Histoire Ballet Musical theater History Europe
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910830934103321

Autore	Perepichka Igor F
Titolo	Handbook of thiophene-based materials [[electronic resource]] : applications in organic electronics and photonics / / Igor F. Perepichka, Dmitrii F. Perepichka
Pubbl/distr/stampa	Hoboken, : Wiley, 2009
ISBN	1-282-34950-3 9786612349508 0-470-74553-3 0-470-74554-1
Descrizione fisica	1 online resource (887 p.)
Disciplina	661.8 661/.8
Soggetti	Thiophenes - Electric properties Conjugated polymers Organic compounds - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record. Print version published in 2-volume set.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Handbook of Thiophene-based Materials; Contents; Volume One: Synthesis and Theory; Volume Two: Properties and Applications; Foreword by Professor Fred Wudl; Preface; List of Contributors; 1 Functional oligothiophene-based materials: nanoarchitectures and applications; 1.1 Introduction; 1.2 Functionalized oligothiophenes; 1.2.1 Oligothiophenes containing surface-active groups; 1.2.2 Self-assembling hybrid oligothiophenes; 1.2.3 Oligothiophenes as pendant groups grafted to polymer backbones; 1.2.4 Oligothiophenes as liquid crystalline materials; 1.2.5 -Dimeric model system 1.2.6 Donor, acceptor and donor-acceptor (D-A) mixed systems1.2.7 Dye-functionalized oligothiophenes; 1.2.8 Oligothiophenes containing redox active groups; 1.2.9 Oligothiophenes containing recognition groups; 1.2.10 Biologically active oligothiophenes; 1.3 Fused thiophenes; 1.3.1 Benzothiophene analogues; 1.3.2 Heteroaromatic ring-fused oligothiophenes; 1.3.3 Thienothiophenes and higher

homologues; 1.4 Macrocyclic thiophenes; 1.4.1 Macrocycles based only on thiophenes; 1.4.2 Mixed macrocycles based on thiophenes and other unsaturated units; 1.4.3 Thiophene-based porphyrinoid macrocycles
1.5 Dendritic and hyperbranched oligothiophenes1.5.1 Star-shaped structures; 1.5.2 Tetrahedral oligothiophenes; 1.5.3 Functionalization of dendrimers with oligothiophenes at the periphery; 1.5.4 Oligothiophenes used as cores in dendrimers; 1.5.5 Functionalized all-thiophene dendrimers; 1.6 Conclusions and prospects; Acknowledgments; References; 2 Synthesis, characterization and properties of regioregular polythiophene-based materials; 2.1 Introduction; 2.1.1 Scope of the chapter; 2.1.2 Development of polythiophenes; 2.1.3 Nomenclature; 2.2 Consequences of regiochemistry
2.3 Synthesis of regioregular polythiophenes2.3.1 Survey of regioregular syntheses; 2.3.2 Mechanism of nickel-mediated cross-coupling polymerization; 2.3.3 Polymer modification: chain and termini; 2.3.4 Polymer modification: substituent; 2.4 Purification and fractionation; 2.5 Molecular characterization; 2.5.1 NMR spectroscopy; 2.5.2 UV-Vis spectroscopy; 2.5.3 MALDI-TOF-MS; 2.5.4 Light scattering studies of aggregates; 2.6 Solid-state studies; 2.6.1 Solid-state NMR spectroscopy; 2.6.2 Solid-state UV-Vis spectroscopy; 2.6.3 Solid-state vibrational spectroscopy (IR, Raman)
2.6.4 Solid-state X-ray studies2.6.5 Anisotropy; 2.6.6 Microscopy (AFM, STM); 2.6.7 Thermal analysis (DSC, TGA); 2.6.8 Charge carrier mobility; 2.7 Block copolymers containing regioregular polythiophenes; 2.8 Conclusions; References; 3 Fused oligothiophenes; 3.1 Introduction; 3.2 Synthesis and molecular properties of fused oligothiophenes; 3.2.1 Thienothiophenes; 3.2.2 Dithienothiophenes; 3.2.3 Linked bithiophenes; 3.2.4 Higher fused and linear oligothiophenes; 3.2.5 Cyclic and helical fused oligothiophenes; 3.3 Conclusion; References
4 Thiophene-S,S-dioxides as a class of electron-deficient materials for electronics and photonics

Sommario/riassunto

This essential resource consists of a series of critical reviews written by leading scientists, summarising the progress in the field of conjugated thiophene materials. It is an application-oriented book, giving a chemists' point of view on the state-of-art and perspectives of the field. While presenting a comprehensive coverage of thiophene-based materials and related applications, the aim is to show how the rational molecular design of materials can bring a new breadth to known device applications or even aid the development of novel application concepts. The main topics covered include synthetic methodologies to thiophene-based materials (including the chemistry of thiophene, preparation of oligomers and polymerisation approaches) and the structure and physical properties of oligo- and polythiophenes (discussion of structural effects on electronic and optical properties). Part of the book is devoted to the optical and semiconducting properties of conjugated thiophene materials for electronics and photonics, and the role of thiophene-based materials in nanotechnology.

3. Record Nr. UNINA9910557232703321

Autore	Spilling Kristian
Titolo	Changing Plankton Communities: Causes, Effects and Consequences
Pubbl/distr/stampa	Frontiers Media SA, 2019
Descrizione fisica	1 online resource (189 p.)
Soggetti	Oceanography (seas and oceans) Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact