1. Record Nr. UNISA996210750703316 Fundamentals of conjugated polymer blends, copolymers and **Titolo** composites: synthesis, properties and applications / / edited by Parveen Saini Salem, Massachusetts:,: Scrivener Publishing,, 2015 Pubbl/distr/stampa ©2015 **ISBN** 1-119-13710-1 1-119-13716-0 Descrizione fisica 1 online resource (802 p.) Disciplina 547/.70457 Soggetti Conjugated polymers Copolymers 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 Cover: Title Page: Copyright Page: Contents; Foreword: Preface: Part 1: Multiphase Systems: Synthesis, Properties and Applications; 1 Conjugated Polymer-based Blends, Copolymers, and Composites: Synthesis, Properties, and Applications; 1.1 Introduction; 1.2 CPs/ICPs-Based Blends; 1.2.1 Classification of CPs/ICPs-Based Blends; 1.3 CPs/ICPs-Based Copolymers (CCPs); 1.3.1 Types of CPs/ICPs-Based Copolymers: 1.3.2 Sub-Classification of Linear or Graft BCPs: 1.4 CPs/ICPs-Based Composites/Nanocomposites/Hybrids; 1.4.1 Categorization of CPs/ICPs-Based NCs 1.5 Interpenetrating/Semi-Interpenetrating Polymer Network (IPN/SIPN) 1.6 Synthesis of CPs/ICPs-Based BLNs, CCPs, and CMPs/NCs/HYBs; 1.6.1 Synthesis of Undoped CPs-Based BLNs; 1.6.2 Synthesis of Conjugated Polymers-Based Copolymers; 1.6.3 CPs/ICPs-Based CMPs/NCs; 1.7 Applications of CPs/ICPs-Based BLNs, CCPs, and CMPs/NCS/HYBs; 1.7.1 ICP-Based Systems; 1.7.2 CPs-Based Systems; 1.8 Conclusions; Acknowledgments; References; 2 Progress in Polyaniline Composites with Transition Metal Oxides; 2.1 Introduction; 2.2 PANI/Transition Metal Oxide Composites 2.2.1 PANI Composites with Oxides of the Copper Group of Transition

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