1. Record Nr. UNINA9910141413303321 Autore **Brutting Wolfgang** Titolo Physics of organic semiconductors [[electronic resource] /] / edited by Wolfgang Brutting and Chihaya Adachi Weinheim,: Wiley-VCH, 2012 Pubbl/distr/stampa 3-527-65494-1 **ISBN** 1-283-66475-5 3-527-65497-6 3-527-65496-8 Edizione [2nd completely new rev. ed.] Descrizione fisica 1 online resource (660 p.) Altri autori (Persone) BruttingWolfgang AdachiChihaya Disciplina 537.6223 Soggetti Organic semiconductors 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 pt. 1. Film growth, electronic structure, and interfaces -- pt. 2. Charge transport -- pt. 3. Photophysics -- pt. 4. Device physics. Sommario/riassunto The field of organic electronics has seen a steady growth over the last 15 years. At the same time, our scientific understanding of how to achieve optimum device performance has grown, and this book gives an overview of our present-day knowledge of the physics behind organic semiconductor devices. Based on the very successful first edition, the editors have invited top scientists from the US, Japan, and Europe to include the developments from recent years, covering such fundamental issues as: - growth and characterization of thin films of

organic semiconductors,- charge transport and p