

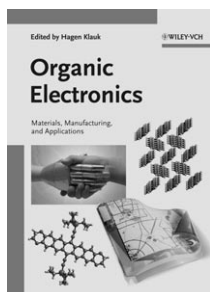
A practical approach to organic electronics

Organic Electronics Materials, Manufacturing and Applications

Edited by Hagen Klauk.

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An excellent collection of state-of-the-art reports on different aspects of this quickly developing field is provided. It is inspiring not only to the expert but also to the beginner in the field to follow the authors through the short history of organic semiconductor devices, especially as it is demonstrated how the path from fundamental research to devices has gained considerable momentum in the last years. This being said it is of similar interest, however, to follow the authors through the development of models and experimental methods that are used to analyse organic semiconductor materials and devices. Last but not least we can follow the authors on the path that they provide through the different classes of organic semiconductor materials and the corresponding technologies of device



preparation towards the development of real new products not achievable using traditional semiconductor technology.

To cover these three different but quite relevant aspects of the research field the book offers 17 chapters by well-known experts in the field. Following an introductory chapter the book is divided in three sections "Advanced Materials for Organic Electronics", "Manufacturing for Organic Electronics" and "Devices, Applications, and Products". At first sight, this may look as if physics has no chance in these chapters to compete with chemistry and engineering, but the physical function of the materials and methods in device structures stands at the centre of interest in each of the individual contributions also in the sections on materials and film formation. Each of the chapters therefore provides a full story by itself, is interesting to read and can serve as a good reference for the chosen topic. Correspondingly, each chapter provides a list of relevant references to its subject to make it useful as a review contribution. By this structure, however, redundancies can not be avoided completely, especially since each chapter attempts to provide at least a short introduction to its background. Speaking of such technical details, it should also be pointed out that the authors have taken great care to provide a large number of excellent figures and viewgraphs. If the pub-

lisher had dared to allow an even more extensive use of colour then the message of the viewgraphs would have been transferred to the reader even more directly; as is obvious to those who have already seen some of the viewgraphs presented in scientific meetings. The book allows very good access to its content by either following the row of chapters, picking most interesting aspects from the well-structured table of contents or by use of the extensive index referring to terms of concepts, function, materials, methods and products.

In summary, the authors can be congratulated for having written well-focused chapters of very high quality, and the editor can be congratulated for the broad yet strategic selection of topics and authors for this book. It is this quality of the individual contributions and the useful selection which make this book not only a good starting lesson on the subject of organic semiconductors, but also a book of reference for the expert in the field.

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