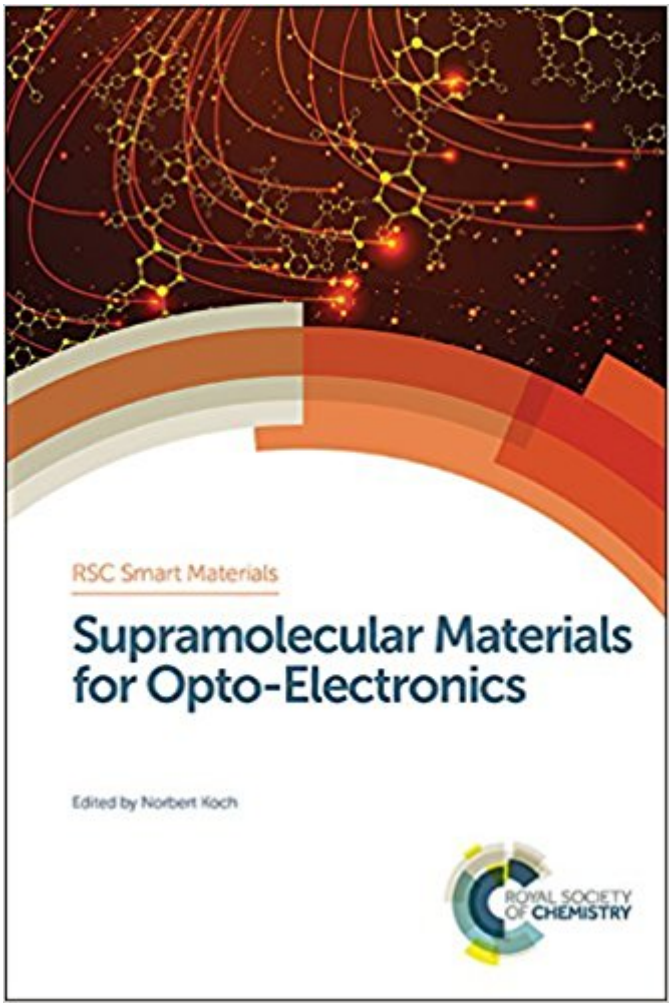
Supramolecular Materials For Opto-Electronics (Smart Materials Series)



Synopsis

For years, concepts and models relevant to the fields of molecular electronics and organic electronics have been invented in parallel, slowing down progress in the field. This book illustrates how synthetic chemists, materials scientists, physicists, and device engineers can work together to reach their desired, shared goals, and provides the knowledge and intellectual basis for this venture. Supramolecular Materials for Opto-Electronics covers the basic principles of building supramolecular organic systems that fulfil the requirements of the targeted opto-electronic function; specific material properties based on the fundamental synthesis and assembly processes; and provides an overview of the current uses of supramolecular materials in opto-electronic devices. To conclude, a Ã¢â ¬Å“whatÃ¢â ¬â„¢s nextÃ¢â ¬Â• section provides an outlook on the future of the field, outlining the ways overarching work between research disciplines can be utilised. Postgraduate researchers and academics will appreciate the fundamental insight into concepts and practices of supramolecular systems for opto-electronic device integration.

Book Information

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Customer Reviews

The book provides researchers with the fundamental insight into the concepts and practices of supramolecular systems for opto-electronics, including synthesis, characterisation and device integration including light-emitting, switching, and energy converting devices. Edited by an expert in the field, the book is suitable for chemists, materials scientists, physicists, and device engineers at

graduate level and above interested in either the fundamentals of the materials or their applications.

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