Functional Supramolecular Architectures. For Organic Electronics and Nanotechnology, 2 Volume Set

Description: Supramolecular architectures combine structural and functional complexity making them ideal building-blocks for technological applications in numerous fields. This comprehensive overview summarizes the state-of-the-art of functional nanosystems based on organic and polymeric materials and their impact on current and future research and technology in the highly interdisciplinary field of materials science. Divided over two volumes and split into subject-area specific parts, these books cover the range of synthesis and fabrication methods, as well as properties and characterization of supramolecular architectures. Much of the contents are devoted to existing and emerging applications, such as organic solar cells, transistors, diodes, nanowires and molecular switches. The result is a must-have resource for materials scientists, organic chemists, molecular physicists and electrochemists looking for a reliable reference on this hot topic.

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