DESCRIPTION

The first book of its kind to focus on the chemistry of this promising class of molecules.

Edited by an innovator in the field, who has gathered an international team of well-established experts, this is a comprehensive overview of the rapidly developing field of polycyclic (hetero)arenes, specifically highlighting on their molecular design and the latest synthetic procedures, as well as chemical and physical properties. Each chapter is dedicated to a specific compound class, the first eight covering polycyclic arenes, including both planar and non-planar conjugated molecules, while chapters nine to twelve deal with polycyclic heteroarenes according to the heteroatoms, namely N, B, S and P. Important current and emergent applications in the field are also discussed, ranging from molecular sensors to electronic devices.

The result is an essential reference for researchers in synthetic and physical organic chemistry, supramolecular chemistry, and materials science.

ABOUT THE AUTHOR

Qian Miao is Associate Professor at the Department of Chemistry at the Chinese University of Hong Kong Shatin. He obtained his B.Sc. degree from the University of Science and Technology of China in 2000 and received his Ph.D. degree from Columbia University, USA, in 2005, under direction of Prof. Colin Nuckolls. He then did postdoctoral research with Prof. Fred Wudl at the University of California, Los Angeles, before he joined the Chinese University of Hong Kong as an assistant professor in 2006. He
was promoted to associate professor in 2012. His research aims at the design and synthesis of functional organic materials with high performance and novel functions, and currently focuses on organic semiconductor materials and devices.

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