

Perspectives in Supramolecular Chemistry relates recent developments and new exciting approaches in supramolecular chemistry. The series covers all areas from theoretical and modelling aspects through organic and inorganic chemistry and biochemistry to materials, solid-state and polymer sciences reflecting the many and varied applications of supramolecular structures in modern chemistry. From the early days of supramolecular chemistry the field has been associated with possible applications. This is not surprising as the design of new molecules, and later of assemblies of molecules, is often function-driven. Now, after three decades of supramolecular chemistry, David Reinhoudt has brought together a collection of reviews to reflect on the applications that have actually been achieved. The first applications in molecular recognition are now established technologies in analytical chemistry, separation science and medicine. More recently, developments have taken place in material design and these concepts are also discussed here. Contents * Self-Assembling Systems on Scales from Nanometers to Millimeters: Design and Discovery * Dendritic Architectures * Supramolecular Structures with Macromolecules * Chemosensors: Synthetic Receptors in Analytical Sensing Applications * Selective Ion Recognition with Durable Sensors * Ion Separations in Membrane and Solid Phase Extraction Systems * Porphyrin- and Expanded Porphyrin-Based Diagnostic and Therapeutic Agents Supramolecular Materials and Technologies illustrates the achievements and advances that supramolecular chemistry has made in many fields from organic chemistry to materials science and from analytical chemistry to molecular biology.

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Perspectives in Supramolecular Chemistry relates recent developments and new exciting approaches in supramolecular chemistry. The series covers all areas. Buy Supramolecular Materials and Technologies (Perspectives in Supramolecular Chemistry) 1 by David N. Reinhoudt (ISBN:) from Amazon's. The polar supramolecular material exhibits spontaneous second-harmonic generation into functional materials, will offer a fascinating prospect for technology.

Welcome to the site Supramolecular Materials for Biomedical and Environmental Technologies of the University of Navarra.

Supramolecular chemistry has found many applications, have been applied to the development of new materials. Reinhoudt, D.N., ed. () Supramolecular materials and technologies, Series Perspectives in supramolecular chemistry , vol. 4. Perspectives in.

Researchers at the Technical University Munich (TUM) have now successfully developed supramolecular materials that disintegrate at a. The Supramolecular Polymer Chemistry group aims at developing self-assembly as a tool to create smart materials. The materials derive their functionality from responsivity to molecular or Molecular Science and Technology (MST).

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