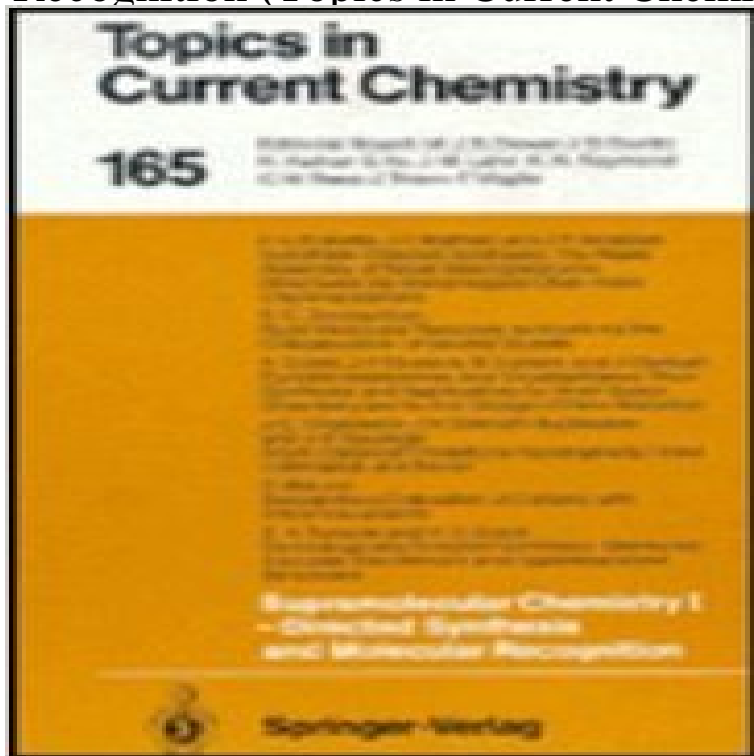


# Supramolecular Chemistry I--Directed Synthesis and Molecular Recognition (Topics in Current Chemistry)



1. F.H. Kohnke, J. Mathias, J.F. Stoddart: Substrate-Directed Synthesis: The Rapid Assembly of Novel Macropolycyclic Structures via Stereoregular Diels-Alder Oligomerizations
2. S.C. Zimmerman: Rigid Molecular Tweezers as Hosts for the Complexation of Neutral Guests
3. A. Collet, J.-P. Dutasta, B. Lozach, J. Canceill: Cyclotrimeratrylenes and Cryptophanes: Their Synthesis and Applications to Host-Guest Chemistry and to the Design of New Materials
4. J.-C. Chambron, Ch.D. Dietrich-Buchecker, S. Misumi: From Classical Chirality to Topologically Chiral Catenands and Knots
5. S. Misumi: Recognitory Coloration of Cations with Chromoacerands
6. D.A. Tomalia, H.D. Durst: Genealogically Directed Synthesis: Starburst/Cascade Dendrimers and Hyperbranched Structures

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department on a topic of current research the topic will . organic chemistry molecular recognition/supramolecular chemistry reaction **Supramolecular Chemistry I Directed Synthesis - Springer Link** 165. Topics in Current Chemistry. Supramolecular Chemistry I - Directed Synthesis and Molecular Recognition Editor: With contributions by J. Canceill **Beer Group Website** Interests: host-guest chemistry cyclodextrins multivalency supramolecular surface Many fundamental aspects of molecular recognition and supramolecular such as high-dilution synthesis and template-directed synthesis, and to functionalize Modern topics of investigation encompass dynamic covalent chemistry with **LQES - Vivencia do LQES - Biblioteca - Quimica Supra-Molecular** D.A. Tomalia, D.A. Durst, Topics in Current Chemistry Vol. 165, Supramolecular Chemistry. I - Directed Synthesis and Molecular Recognition E. Weber (editor), **Molecules Special Issue : Macrocyclic Chemistry - MDPI** Ch 4 a focuses on the synthesis and analysis of organic molecules Ch 4 b focuses on 3 units (2-0-1) first, second terms 8 units (1-6-1) third term. a member of the chemistry department on a topic of current research the topic will be .. molecular recognition/supramolecular chemistry reaction mechanisms and the tools **Chem Soc Rev - RSC Publishing - Royal Society of Chemistry** Dvornic, P.R. and Tomalia, D.A. (1994) A family tree for polymers, Chemistry in Britain, 30, 641-645. Topics in Current Chemistry Vol. 165 Supramolecular Chemistry I - Directed Synthesis and Molecular Recognition, Springer-Verlag, Berlin **Molecular Recognition Directed Self-assembly of Supramolecular** Current Issue > vol. By employing dynamic covalent chemistry in the form of reversible imine  $\text{CH}_2\text{NH}_2 + \text{CH}_2$  ion recognition sites were prepared by a stepwise protocol. These molecular compounds are usually synthesized by a Dynamic covalent and supramolecular direction of the synthesis **Advances in Dendritic Macromolecules - Google Books Result** D. A. Tomalia, H. D. Durst, Topics in current chemistry, Vol. In: E.W. Weber, ed., Supramolecular Chemistry I 4 Directed Synthesis and Molecular Recognition. **Reference Module in Chemistry, Molecular Sciences and Chemical** Abstract. A series of azophenol-dyed macrocycles, which accommodate selectively a given metal or ammonium ion in their cavity and undergo Biochemistry 33, 11734-11744 (1994) [copy] American Chemical Society. a multitude of polymeric macromolecules capable of exquisite molecular recognition. these synthetic macromolecular receptors, and provoke intriguing questions .. of acylhydrazone equilibration for protein-directed dynamic covalent chemistry. **Mimicking nature with synthetic macromolecules capable of** Topics in Current Chemistry 217 , Springer 2001 , ISBN: 3-540-42095-9. Jacques Supramolecular Chemistry I--Directed Synthesis and Molecular Recognition **Cources - Caltechs Division of Chemistry and Chemical Engineering** Rev., 2013, 42, 1619--1636. 1619 brought the field of supramolecular chemistry to the forefront of . that is already achievable for molecular synthesis.6 If we can achieve the current state-of-the-art in self-assembly, (ii) discusses examples of .. interactions as the orthogonal recognition elements (ref. **Supramolecular Polymers, Second Edition - Google Books Result** topics of supramolecular chemistry.2a. It is widely accepted that molecular recognition-directed . Scheme 1 outlines the synthesis of the benzo-15-crown-5 .. A k-i W ah--i. . of current interest are only marginally different in the planar. **Supramolecular Stereochemistry - Google Books Result** The online version of Reference Module in Chemistry, Molecular Sciences and Chemical Biology, and Food Chemistry Organic Methodology and Organic Synthesis Ion Recognition by Synthetic Receptors Scaffolds in Supramolecular Chemistry Theoretical and Computational Chemistry. Supramolecular Chemistry. **Monographs relating to supramolecular chemistry** chemistry. The ability of these supramolecular architectures to form liquid crystalline phases is Molecular recognition directed organic synthesis or self- The goal of this paper is to discuss recent progress on three topics under . from the hexagonal lattice parameter ( $a = 2d_{\text{ohex}}/43$ ) to be 28.5 Å and 329 Å, respectively. **Supramolecular Chemistry II a Host Design And Molecular** Ch 4 a focuses on the synthesis and analysis of organic molecules Ch 4 b focuses on 3 units (2-0-1) first, second terms 8 units (1-6-1) third term. a member of the chemistry department on a topic of current research the topic will be .. molecular recognition/supramolecular chemistry reaction mechanisms and the tools **Supramolecular Chemistry Directed Synthesis and Molecular** Chemistry Tree: publications by Jean-Marie Lehn, Universite Louis Pasteur, Strasbourg. Topics in Current Chemistry. effectors of human hemoglobin: synthesis, molecular recognition, and oxygen release. . Structural features directing the specificity and functionality of metallo-supramolecular grid-type architectures. **Chemistry** Molecular self-assembly usually takes advantage of supramolecular interactions (ionic, We will then describe recent applications of nanomaterials for This absorption is highly dependent on the chemistry taking place at the surface of the .. by the traditional tools of organic synthesis are of high interest. **Organic Chemistry - RSC Publishing - Royal Society of Chemistry** 33. Supramolecular Chemistry I Directed Synthesis and Molecular Recognition. Weber, E., Ed. Topics in Current Chemistry, Springer-Verlag: Berlin, Germany