IN THIS ISSUE

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In this issue...

Chemical Science – a 'snapshot' of the latest news and developments across the chemical sciences
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Cover
See Paolo Samorì, p. 551.
Tapping-mode SFM image of poly(*p*-phenyleneethynylene) supramolecular nanoribbons self-assembled on a mica surface. These oriented anisotropic architectures, consisting of π–π stacked molecular bilayers, possess a length of several micrometers and a molecular cross-section.
Front cover image reproduced by permission of Dr. Paolo Samorì, *Chem. Soc. Rev.*, 2005, **34**, 551.

CHEMICAL SCIENCE

Drawing together the research highlights and news from all RSC publications, *Chemical Science* provides a 'snapshot' of the latest developments across the chemical sciences showcasing newsworthy articles, as well as the most significant scientific advances.

Chemical Science

July 2005/Volume 2/Issue 7

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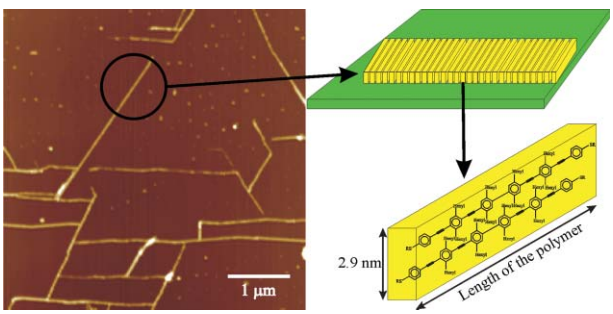
TUTORIAL REVIEWS

Exploring supramolecular interactions and architectures by scanning force microscopies

Paolo Samorì

New Scanning Force Microscopy based methodologies allow the exploration of different physico-chemical properties of supramolecular interactions and assemblies, and the nanofabrication of new functional architectures.



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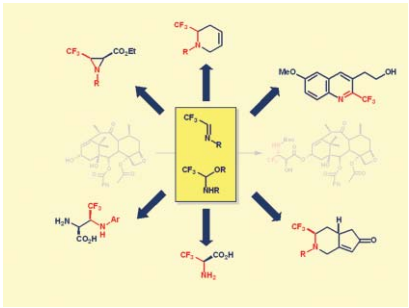
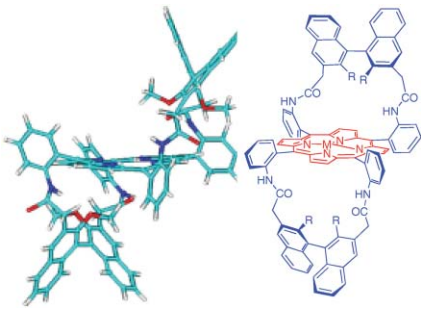
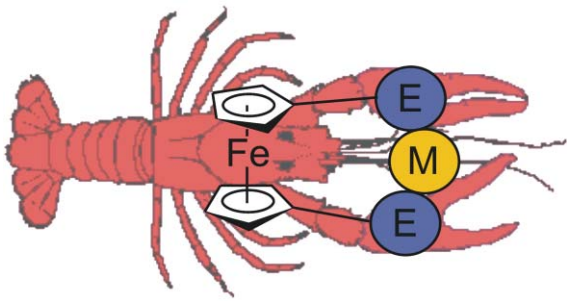
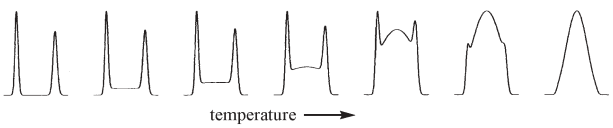
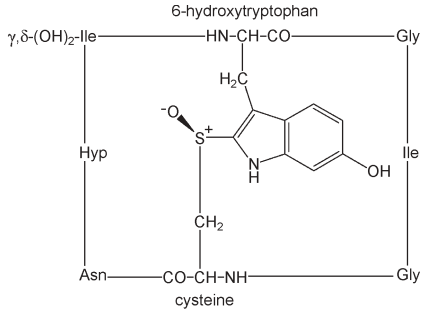








609



Role of sulfur chirality in the chemical processes of biology

Ronald Bentley

A critical review introducing sulfur stereochemistry and nomenclature and detailing chiral sulfur compounds and their enzymatic reactions.

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