

Highlights

Organism Chemistry

N. Budisa and C. G. Acevedo-Rocha

On the Road towards Chemically Modified Organisms Endowed with a Genetic Firewall

Stereoselective Polymerization

L. R. Sita

Duality in Catalyst Design: The Synergistic Coupling of Steric and Stereoelectronic Control over Polyolefin Microstructure

Reviews

Graphene

A. K. Geim

Random Walk to Graphene (Nobel Lecture)

Graphene

K. S. Novoselov

Graphene: Materials in the Flatland (Nobel Lecture)

Communications

Polyoxometalate Necklace

A. Müller, L. Chi, H. Fuchs et al.

A Nanosized Molybdenum Oxide Wheel with a Unique Electronic-Necklace Structure: STM Study with Submolecular Resolution (**Cover Picture**)

Oligoacenes

J. E. Anthony et al.

Synthesis and Structural Characterization of Crystalline Nonacenes (**Inside Cover**)

Triplet Naphthyl Cation

J. Oomens and H. Alvaro Galué

Spectroscopic Evidence for a Triplet Ground State in the Naphthyl Cation (**Frontispiece**)

Halogen Bonds

S. M. Huber et al.

Halogen-Bond-Induced Activation of a Carbon–Heteroatom Bond (**Back Cover**)

Bioorganic Chemistry

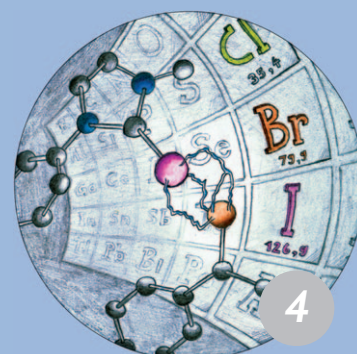
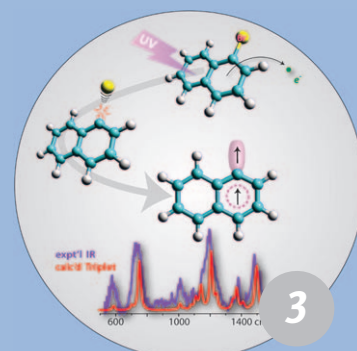
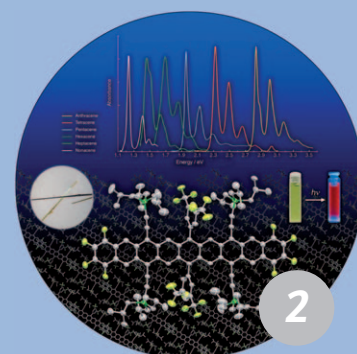
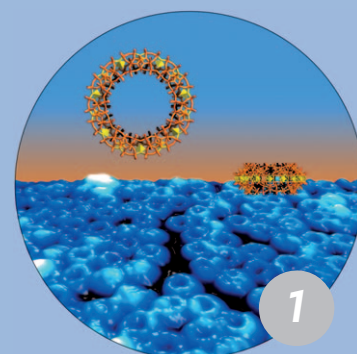
M. Truß, T. Carell et al.

The Discovery of 5-Formylcytosine in Embryonic Stem Cell DNA

Boron Chemistry

C. Bo, H. Gulyás, E. Fernández et al.

Transition-Metal-Free Diboration Reactions by Activation of Diboron Compounds with Simple Lewis Bases



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