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Perspective

DNA nanomachines and nanostructures involving quadruplexes

Jean-Louis Mergny, France

Emerging Area

DNA-based machines

Itamar Willner, Israel

Communications

Two-directional synthesis and stereochemical assignment toward a C₂ symmetric oxasqualenoid (+)-intricatetraol

Yoshiki Morimoto, Japan

First synthesis of 1,2,3-triazolo-linked (1,6)- α -D-oligomannoses (triazolomannoses) by iterative Cu(I)-catalyzed alkyne-azide cycloaddition

Alessandro Dondoni, Italy

Articles

A cationic lanthanide complex binds selectively to phosphorylated tyrosine sites, aiding NMR analysis of the phosphorylated insulin receptor peptide fragment

David Parker, UK

Synthesis and optimization of peptidomimetics as HIV entry inhibitors against the receptor protein CD4 using STD NMR and ligand docking

Bernd Meyer, Germany

Double cohesion in structural DNA nanotechnology

Nadrian Seeman, USA

Dioxygenase-catalysed oxidation of disubstituted benzene substrates: benzylic monohydroxylation versus aryl *cis*-dihydroxylation and the *meta* effect

Derek R. Boyd, UK

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Spider silk as archetypal protein elastomer
F. Vollrath and D. Porter, *Soft Matter*, 2006, **2**, 377

The living test-tube: imaging of real-time gene expression
Y. Shav-Tal, *Soft Matter*, 2006, **2**, 361

DNA polymerization on the inner surface of a giant liposome for synthesizing an artificial cell model
K. Shohda and T. Sugawara, *Soft Matter*, 2006, **2**, 402

Development and application of diazirines in biological and synthetic macromolecular systems
A. Blencowe and W. Hayes, *Soft Matter*, 2005, **1**, 178

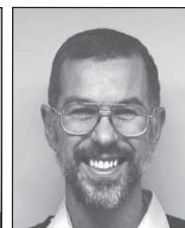
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