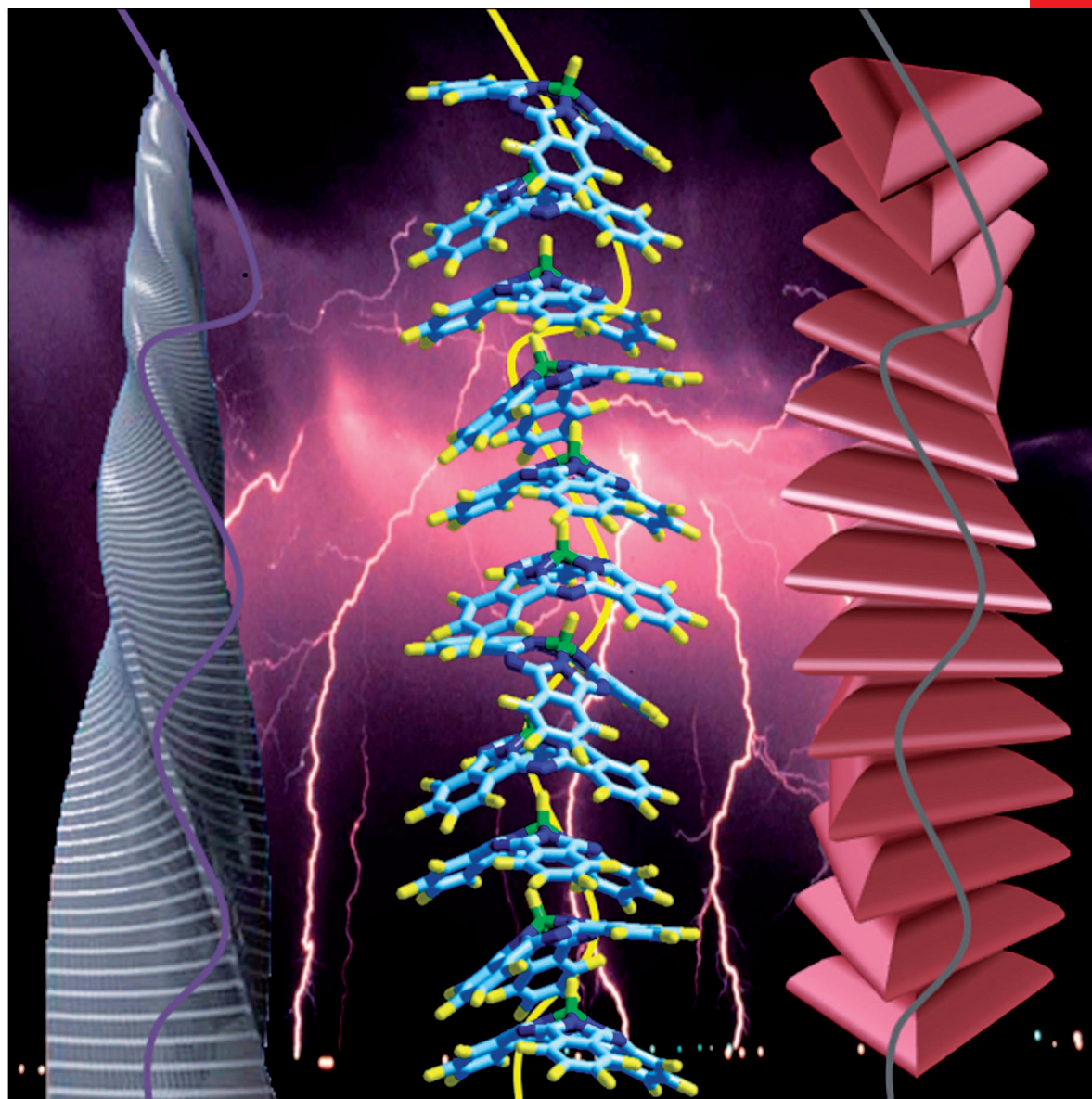


CHEMISTRY

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Concept

Silylmetalation of Alkenes

M. Uchiyama, M. Yonehara, and S. Nakamura

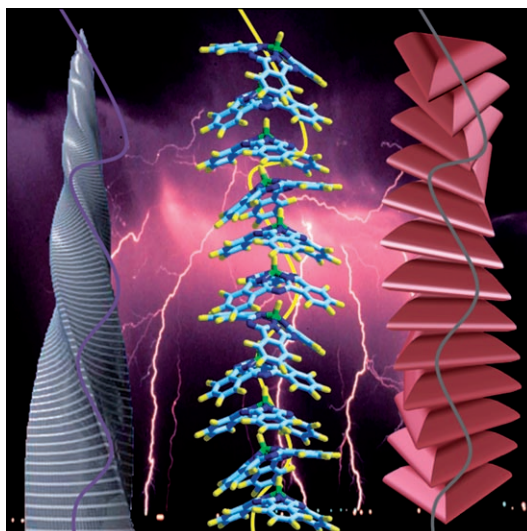
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Stacked chiral organization...

... of achiral fluoro-substituted subzaporphyrins is described by E. Gutiérrez-Puebla, J. Elguero, T. Torres et al. in their Full Paper on page 1342 ff. The cover shows that the crystal structure of a perfluorinated subphthalocyanine (center) has a stacked chiral organization (right) of the achiral subunits that resembles the helical tower “Fordham Spire” designed by the Spanish architect Calatrava (left, Copy-right Santiago Calatrava VeGaP, Madrid 2007), which will be constructed in Chicago and will be the highest building in the USA.

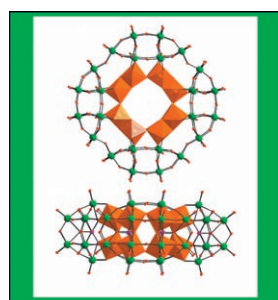
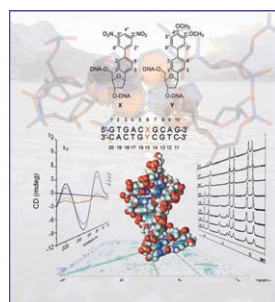


Challenging Reactivity

In their Concepts article on page 1068 ff., M. Uchiyama, M. Yonehara, and S. Nakamura describe how heterobimetal activation and/or combination with transition-metal catalysts opens a new window to silyl- and carbometalation chemistry.

DNA Structures

In their Full Paper on page 1080 ff., B. Jaun, C. J. Leumann et al. describe a B-type DNA duplex that accommodates two opposing biphenyl base analogues through local widening of the pitch and reduction of the twist of the helix. The thermal stability data of the duplex, together with its structure, demonstrate the tolerance of this recognition motif for variation of the substituents on the biphenyl periphery.



Clusters within Wheels

In their Full Paper on page 1186 ff., U. Kortz, A. Müller, N. S. Dalal, L. Nadjo et al. describe the synthesis and characterization of a 16-metal-center iron oxide nanocluster in the cavity of a 48-tungstophosphate wheel.

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