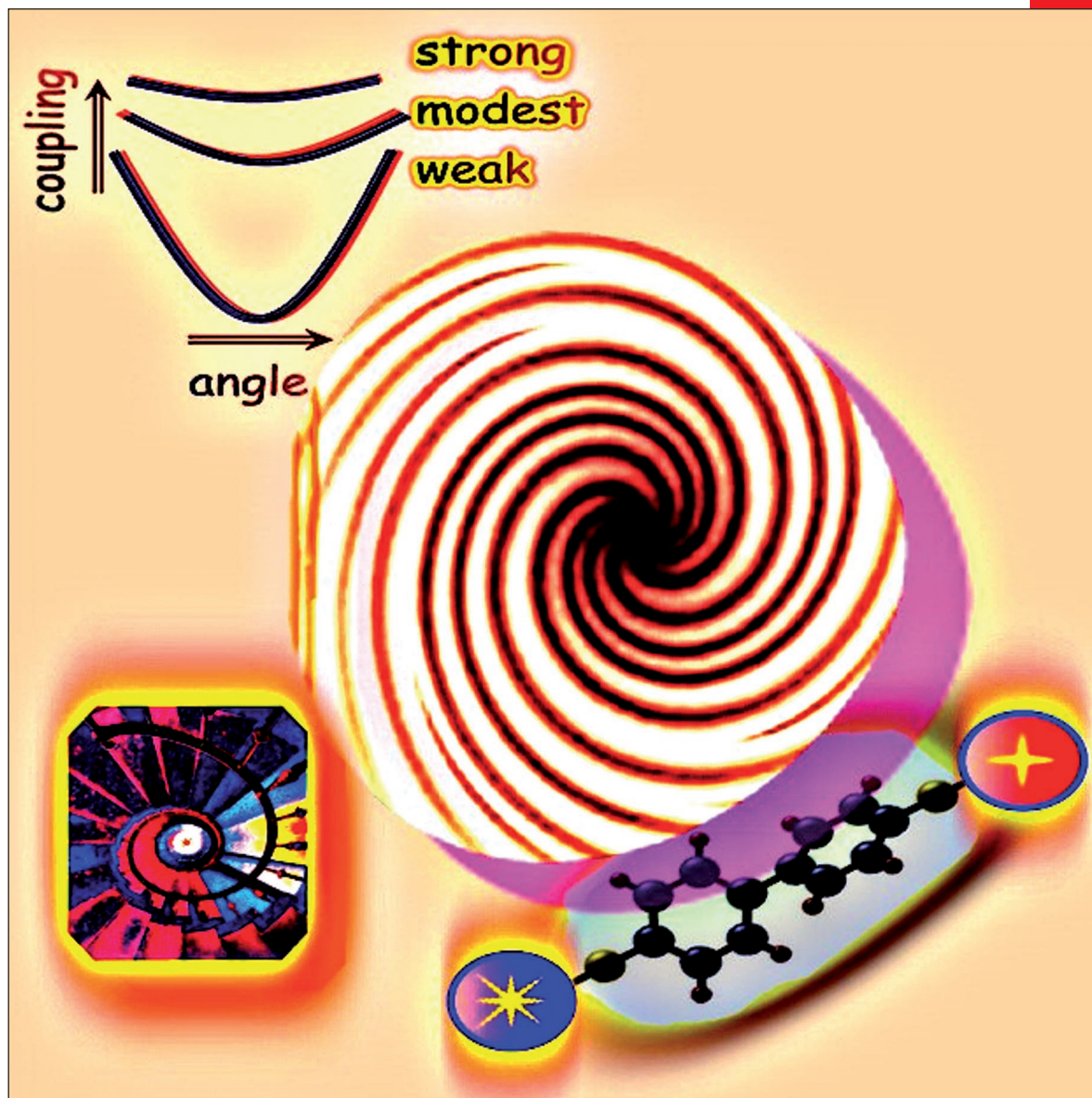


# CHEMISTRY

## A EUROPEAN JOURNAL

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2008



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Communications

### Concept

Noncovalent Keystone Interactions Controlling  
Biomembrane Structure

B. D. Smith et al.

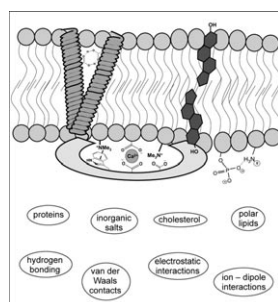
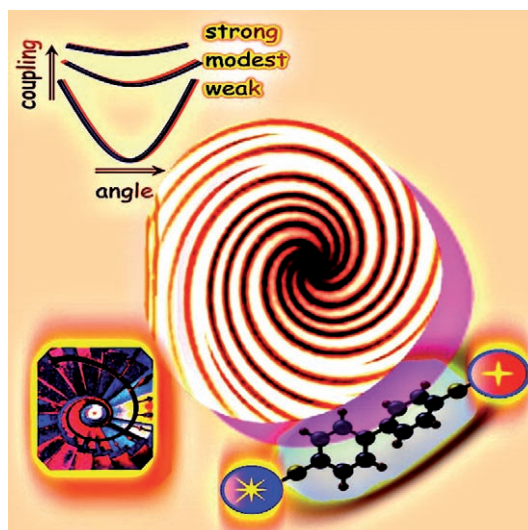
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## A staircase to...

... unidirectional, light-induced charge separation. In their Full Paper on page 1710 ff., A. Harri-man et al. describe the angular dependence for electron exchange through a spiral bridge. It depends markedly on the size of the electronic coupling between the terminals, thereby providing the staircase by which to attain unidirectional, light-induced charge separation.

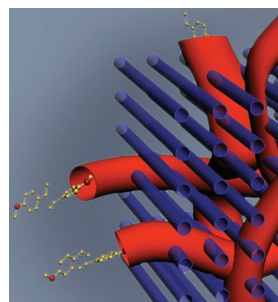
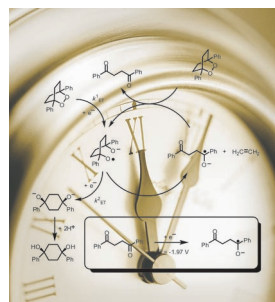


### Biomembranes

In their Concept article on page 1690 ff., B. D. Smith et al. describe a strategy to help design molecular recognition systems that associate selectively with one component of a biomembrane.

### Radical-Anion Clocks

In their Full Paper on page 1698 ff., M. S. Workentin and D. C. Magri, describe how by exploiting the competition between the fragmentation and heterogeneous reduction of electrogenerated intermediates, they have begun to create a library of radical-anion clocks.



### Zeolite Catalysts

In their Full Paper on page 1718 ff., B. M. Weckhuysen et al. describe a study into the morphology of micro- and mesoporous H-ZSM-5 zeolite crystals and the evaluation of the effect of mesoporosity on catalytic performance.

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