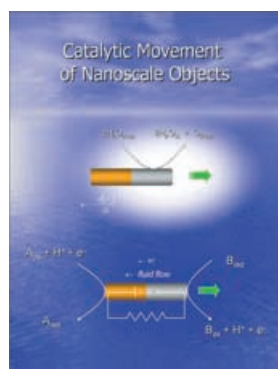


# The chemistry of oak-derived...

... ..NHTP-bearing C-glycosidic ellagitannins found in wine is reported by S. Quideau et al. in their Full Paper on page 6503 ff. These natural products are extracted by the wine solution during aging in barrels and have the capability to combine covalently by means of substitution reactions with a variety of grape-derived nucleophilic species. The condensation products thus obtained can evidently contribute to the modulation of wine organoleptic properties, as well as possessing pharmacologically relevant activities.

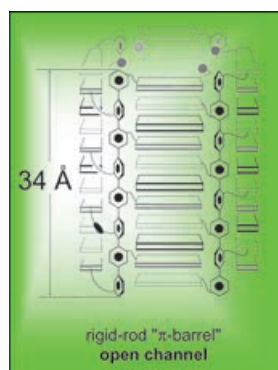
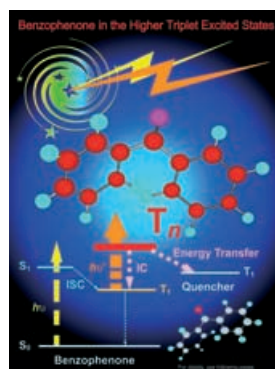


## Catalytic Nanoparticles

In their Concept on page 6462 ff., T. E. Mallouk, A. Sen, and W. F. Paxton explore the concepts behind the movement of synthetic nanoscale objects. They discuss the potential of catalytically self-generated forces for propulsion of small objects through fluids.

## A Flash of Color!

The lifetimes of benzophenone and its derivatives in the higher triplet excited state ( $BP(T_n)$ ) were measured directly by using ns-ps two-color/two-laser flash photolysis. The fast triplet energy transfer (TET) from  $BP(T_n)$  to a quencher, Q, was due to lifetime-dependent quenching and indicates that TET from  $BP(T_n)$  to Q depends on both  $\tau_{T_n}$  and the size of Q. In their Full Paper on p. 6471 ff., Mijama et al. conclude that evaluation of  $\tau_{T_n}$  based on the TET quenching process of BPs( $T_n$ ) by Q is inappropriate, and that direct measurement of  $\tau_{T_n}$  is required.



## Ion Channels

A colorful, surprisingly detailed, and remarkably consistent portrait of a ligand-gated ion channel emerges from a rich collection of experimental facts on functional rigid-rod  $\pi$ -stack architecture, made from scratch. In their Full Paper on p. 6525 ff., S. Matile et al. describe how the open ion channels were small, long-lived, surprisingly homogenous, ohmic, and anion selective.

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