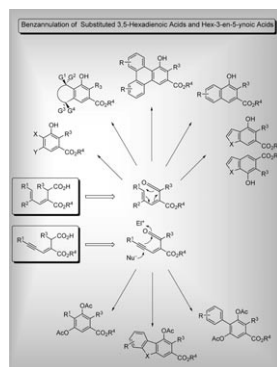
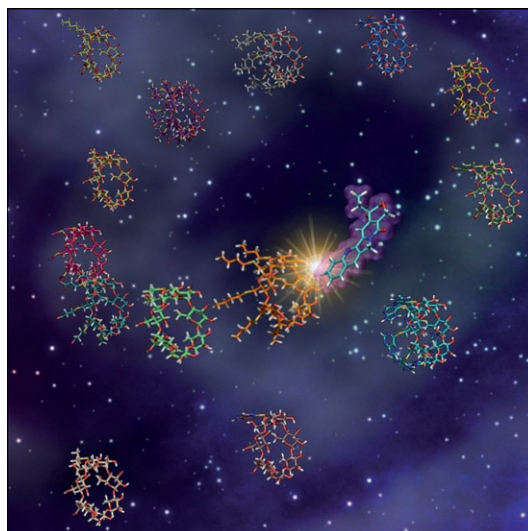


Design of a synthetic receptor...

... for a given ligand, in this case the anti-cancer drug camptothecin, is generally a very tedious task. Many receptor candidates have to be synthesized and checked to find a few hits with high affinities. Therefore it is more efficient to perform the most part of receptor screening in the virtual space of a computer as visualized on the cover picture. In their Full Paper on page 6801 ff., G. Wenz, J. Apostolakis et al. demonstrate that the resulting top-ranking candidates, derivatives of β -cyclodextrin, indeed exhibit exceptional binding potential for camptothecin and are promising excipients for drug delivery.

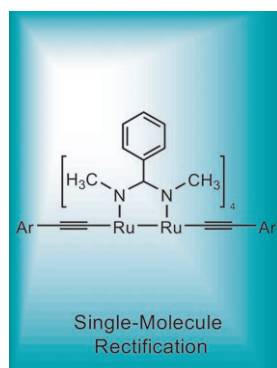
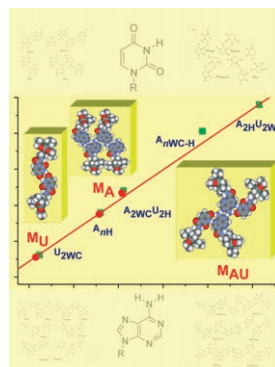


Annulation

In their Concept article on page 6782 ff., S. Serra et al. describe how the specific preparation of different polysubstituted aromatics can be achieved by the benzannulation reaction of substituted hexadienoic acid precursors. Since these starting materials are easily prepared and the reaction mode for a given substrate can be easily predicted, the described procedures hold a general synthetic significance.

Hybrid Materials

In their Full Paper on page 6792 ff., M. Barboiu et al. discuss the generation in solution of a complex library of hydrogen-bonded aggregates of alkoxy-silane nucleobase adenine (A) and uracil (U) precursors. These aggregates can be constitutionally expressed in the solid state as discrete higher oligomers (M) by means of a sol-gel process.



Molecular Rectification

In their Full Paper on page 6874 ff., T. Ren et al. describe the synthesis of unsymmetric diruthenium bis-alkynyl compounds. Voltammetric measurements indicate a significant influence of substituents on the energy level of frontier orbitals. In particular, placing a donor and an acceptor on the opposite ends of a *trans*-[(ArC≡C)Ru₂(dmba)₄(C≡CAr')] moiety results in an energetic alignment of frontier orbitals that favors a directional electron flow, a necessary condition for unimolecular rectification.

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