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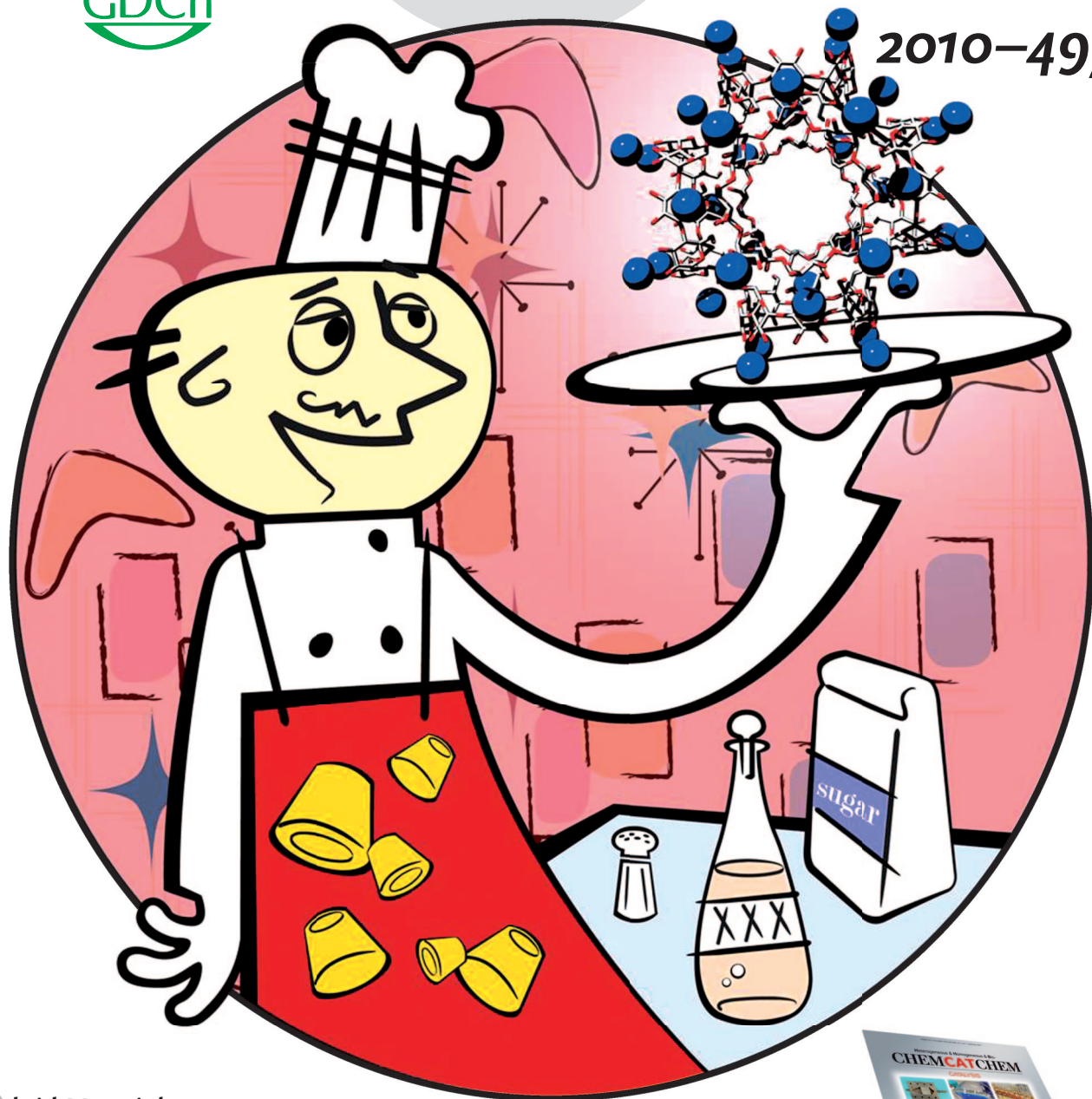
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Hybrid Materials

A. Herrmann and M. Kwak

Plant-Based Plastics

D. J. Cole-Hamilton

Hydrogenases

M. Y. Darensbourg et al.

Molecular Recognition

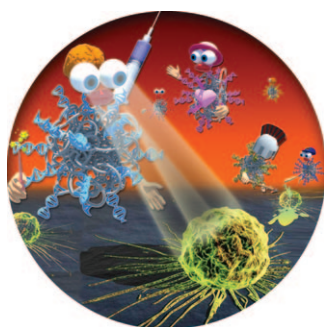
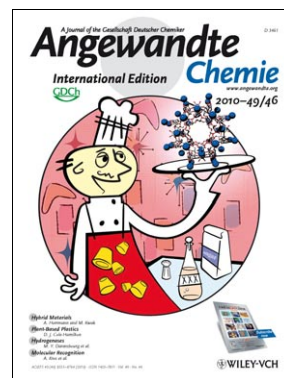
A. Kros et al.



Cover Picture

Ronald A. Smaldone, Ross S. Forgan, Hiroyasu Furukawa, Jeremiah J. Gassensmith, Alexandra M. Z. Slawin, Omar M. Yaghi, and J. Fraser Stoddart*

Edible MOFs are on the menu as the chef presents his culinary creation. In their Communication on page 8630 ff., J. F. Stoddart, O. M. Yaghi, and co-workers describe the synthesis of metal–organic frameworks (MOFs) solely from food-grade ingredients, namely γ -cyclodextrin, alkali-metal salts, water, and alcohol. These renewable, biocompatible CD-MOFs are robust, permanently porous, and are capable of storing organic molecules. Picture design: Aleksander Bosoy.

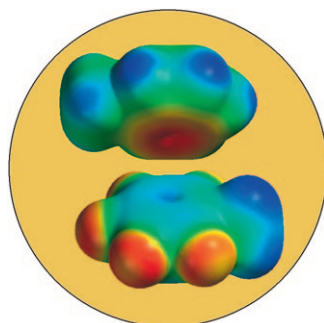
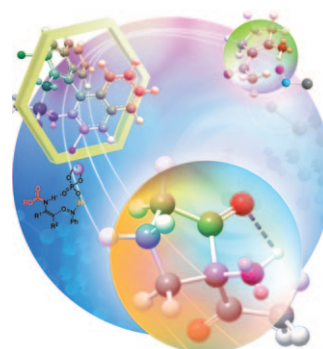


DNA Block Copolymers

Biomacromolecules can be linked to organic polymers through covalent bonds to give fascinating materials with a wealth of architectures and numerous potential applications. M. Kwak and A. Herrmann give an update on this area in their Review on pp. 8574 ff.

Asymmetric Aminoxylation

In their Communication on page 8588 ff., G. Zhong et al. describe how the substrate scope of α -aminoxylations of enecarbamates through organocatalysis with a chiral phosphoric acid catalyst can be extended to include linear and aromatic ketones.



Quadrupole Interactions

In their Communication on page 8635 ff., J. Gao und H. Zheng report that quadrupole stacking between aromatic and perfluoroaromatic rings is able to direct specific protein–protein interactions, resulting in the exclusive formation of heterodimers.