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**Hydrogen Atom Abstraction (1)**

Review by S. Shaik et al.

**Hydrogen Atom Abstraction (2)**

Minireview by H. Schwarz et al.

**Highlights: Matrix Isolation · Aziridine Synthesis**

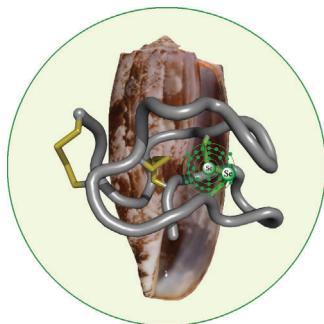
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## Cover Picture

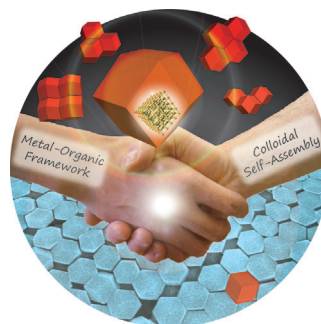
**Birgit Esser, Jan M. Schnorr, and Timothy M. Swager\***

**Ethylene** is the smallest ripening hormone in plants. In their Communication on page 5752 ff., T. M. Swager et al. show that from a simple mixture of single-walled carbon nanotubes and a copper(I) complex, chemoresistive devices can be prepared that are highly sensitive and selective to sub-ppm concentrations of ethylene. The utility of the sensor was demonstrated by following ripening stages in different fruits.



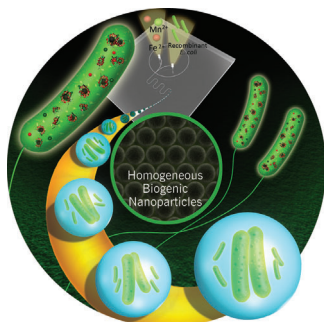
### **Protein Folding**

In cysteine-rich peptides, diselenides can be used as a proxy for disulfide bridges. G. Bulaj et al. describe in their Communication on page 5580 ff. how an intramolecular diselenide bond catalyzes the oxidative folding of selenopeptide analogues of conotoxins.



### **Supraparticles**

The self-assembly of a colloidal metal–organic framework through simple capillary and van der Waals attractions is described by S. Granick and N. Yanai in their Communication on page 5638 ff.



### **Biogenic Nanoparticles**

In their Communication on page 5634 ff., T. S. Seo, S. Y. Lee, and co-workers demonstrate the synthesis of homogeneous biogenic paramagnetic nanoparticles inside recombinant *E. coli* cells by encapsulating them in nanoliter-scale droplets.