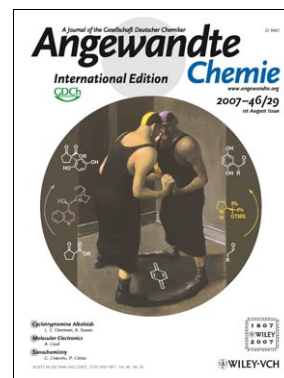


## Cover Picture

José Alemán, Bo Richter, Karl Anker Jørgensen,\*

José Alemán, Silvia Cabrera, Eddy Maerten, Jacob Overgaard, and Karl Anker Jørgensen\*

*One, but not the same* describes the painting “Double Me” (Michael Kvium) depicted on the cover which shows two men who appear at first to be competing. However, on closer inspection it appears that their shoes are joined together: Are they in fact cooperating? An analogy is drawn to two organocatalytic enantioselective arylation reactions presented in the Communications by K. A. Jørgensen and co-workers on pages 5515 and 5520 ff. Both reactions feature quinone but follow noncovalent (left) and covalent (right) organocatalytic pathways. (Thanks to M. Kvium for permission to use the painting.)

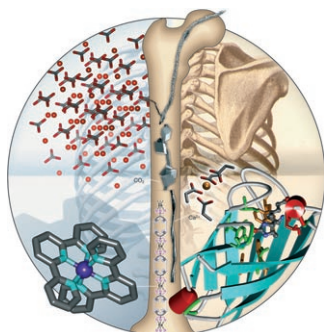
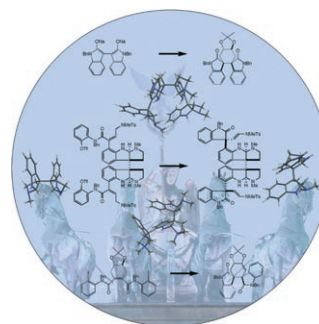


### Gold nanoparticles

In their Essay on page 5480 ff., P. P. Edwards and J. M. Thomas demonstrate that Michael Faraday performed experiments with gold nanoparticles already 150 years ago. His conclusions were admirable as is shown by the presentation of representative research results.

### Synthetic Methods

In the Review on page 5488 ff., L. E. Overman and A. Steven describe the development of a toolbox of synthetic methods and their validation through the total synthesis of a number of structurally complex cyclotryptamine alkaloids. The main challenge lies in the stereoselective construction of quaternary carbon centers in close proximity to one another.



### Biomineralization

In their Communication on page 5510 ff., T. R. Ward and co-workers show that, in the presence of calcium ions, metal–organic protein frameworks form bundles that serve as a template for the biomineralization of calcite.