



**Communication:**

Diaryl- $\lambda^3$ -iodanes for Pentafluorophenylation  
(N. Shibata)

**Full Paper:**

Benzothiadiazole-Based Luminescent Chemosensors  
(P. Molina)

## Cover Picture

**Kohei Matsuzaki, Kenta Okuyama, Etsuko Tokunaga, Motoo Shiro, and Norio Shibata\***

The cover picture shows the Japanese painting “Genshi-Chi” (“Primitive Land”) by Mami Shibata: our state-of-the-art reagent for pentafluorophenylation is realized by the cooperation of the halogens fluorine and iodine—elements from the primitive Earth. In the study, sterically demanding unsymmetrical pentafluorophenyl-triisopropylphenyl- $\lambda^3$ -iodane was developed as an effective reagent for the electrophilic pentafluorophenylation of various  $\beta$ -keto esters and a  $\beta$ -keto amide. 17 examples of  $\alpha$ -pentafluorophenylated 1,3-dicarbonyl compounds with quaternary carbon centers are provided. For more details, see the Communication by Norio Shibata on p. 233 ff.

