

A Journal of the Gesellschaft Deutscher Chemiker

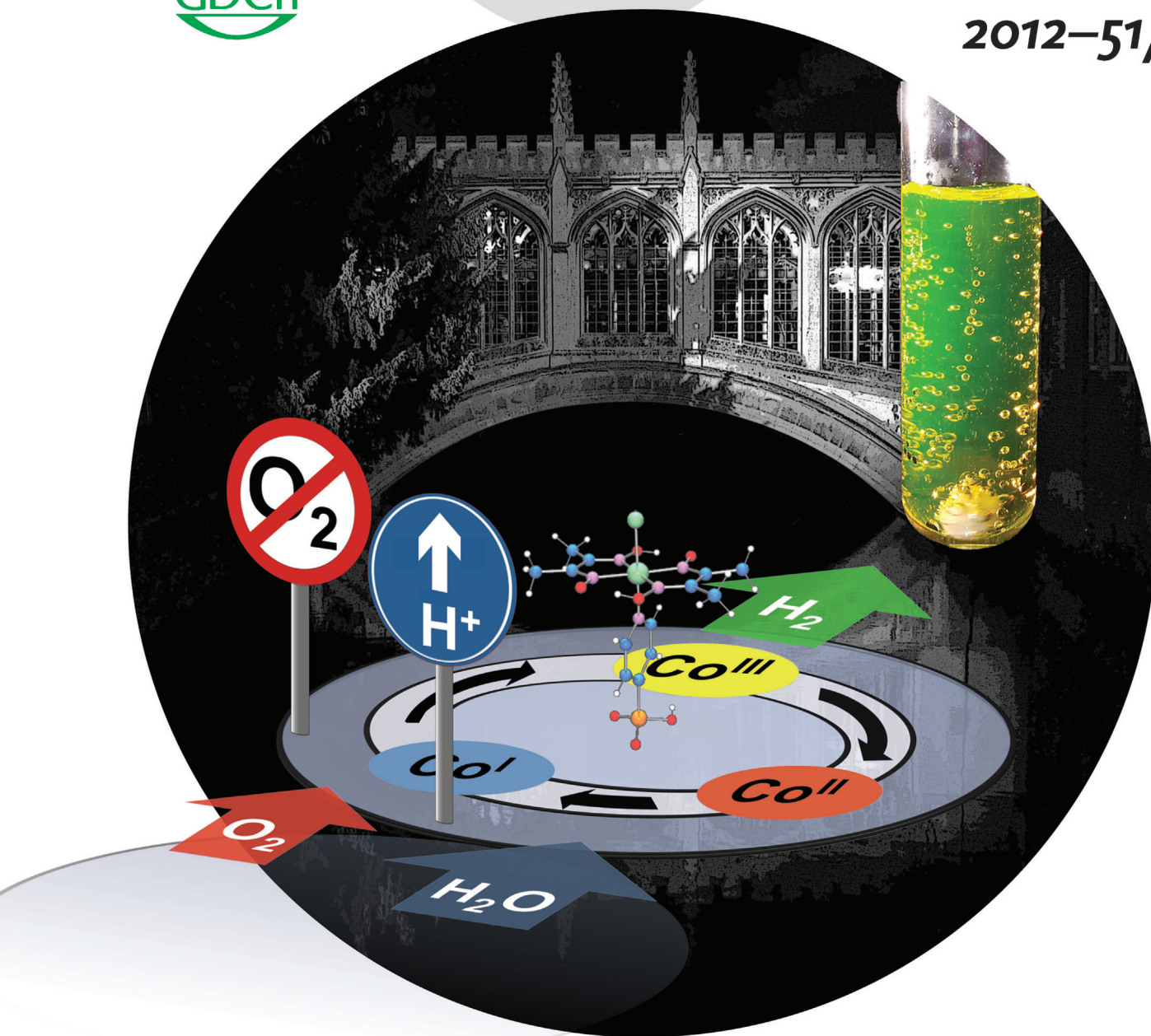
# Angewandte Chemie

International Edition



www.angewandte.org

2012–51/37



## The economical splitting of water ...

... into the fuel  $\text{H}_2$  and the by-product  $\text{O}_2$  requires inexpensive catalysts that operate in aqueous solution and in the presence of  $\text{O}_2$ . In their Communication on page 9381 ff., E. Reisner et al. show that a synthetic cobalt catalyst evolves  $\text{H}_2$  electro- and photocatalytically under the highly demanding conditions of pH-neutral water and under atmospheric  $\text{O}_2$ . The picture shows the preference of the cobalt catalyst for aqueous protons, and the evolution of  $\text{H}_2$  bubbles upon irradiation with visible light in air.

 WILEY-VCH