

A Journal of the Gesellschaft Deutscher Chemiker

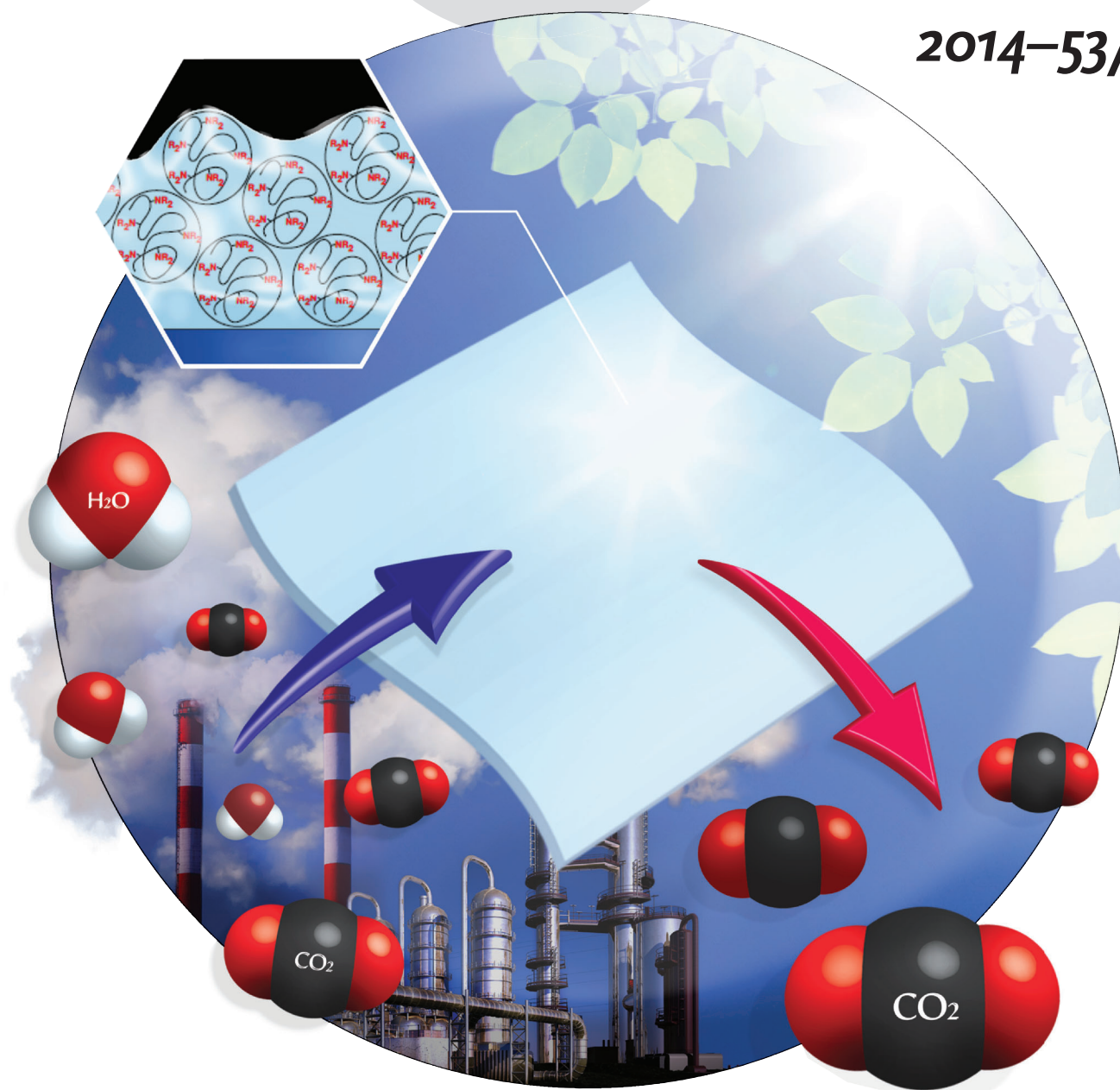
Angewandte Chemie

GDCh

International Edition

www.angewandte.org

2014–53/10



Hydrogel films ...

... composed of temperature-responsive microgel particles (GPs) containing amine groups work as stimuli-responsive carbon dioxide absorbent, as reported by Y. Hoshino and co-workers in their Communication on page 2654 ff. The reversible CO_2 absorption capacity of the GP films is proportional to the film thickness and is larger than that of a monolithic gel film. This discovery shows that the GP films can be used to sequester energy-efficiently CO_2 from high-humidity exhaust gases.

WILEY-VCH