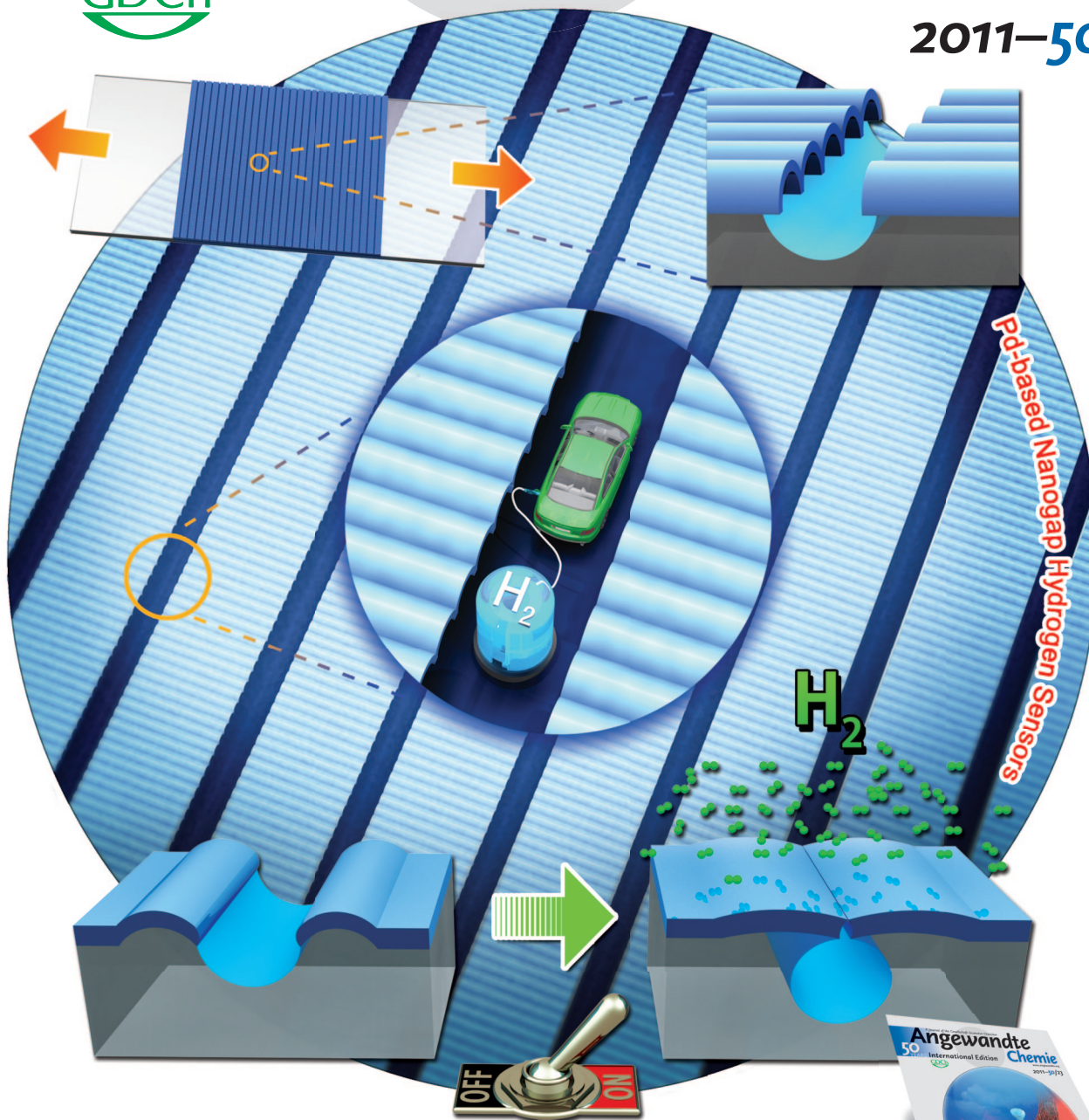


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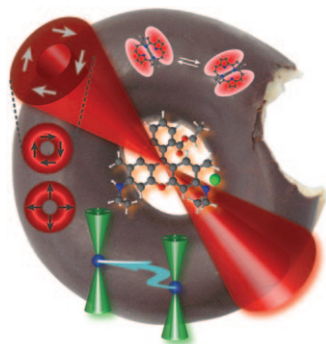


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Cover Picture

Junmin Lee, Wooyoung Shim, Eunyeong Lee, Jin-Seo Noh, and Wooyoung Lee*

A *lithography-free* but nanogap-based chemical sensing method utilizes crack formation in a Pd or PdNi thin film generated by stretching the thin film on an elastomeric substrate. This low-cost, scalable method that uses a highly mobile thin film on an elastomer (MOTIFE) provides reliable, repeatable, and highly sensitive H₂ sensors, as shown by W. Lee and co-workers in their Communication on page 5301 ff.

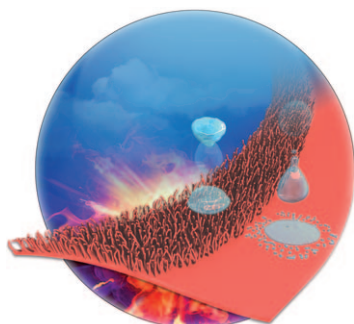
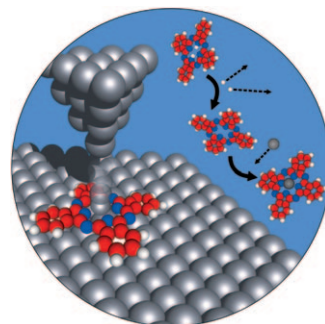


Single-Molecule Microscopy

Ring-form laser modes (called doughnut modes) find many uses in bio- and materials science as well as single-molecule microscopy. In their Review on page 5274 ff. A. J. Meixner et al., discuss the current state of research and explore its potential applications.

Phthalocyanines

R. Berndt and co-workers describe the controlled metalation of individual phthalocyanine molecules on a silver surface in their Communication on page 5294 ff. The process was monitored by scanning tunneling microscopy.



Wetting Transition

The spreading–bouncing transition of water droplets on hot hydrophilic, hydrophobic, superhydrophilic, and superhydrophobic surfaces is studied by J. Wang, L. Jiang, and co-workers in their Communication on page 5311 ff.