

# ADVANCED FUNCTIONAL MATERIALS

## SUPERHYDROPHOBIC SURFACES

Bioinspired wax crystals on various substrates exhibit time-dependent nanoroughness evolution, which is induced by strain release and recrystallization. As reported by Boaz Pokroy and co-workers on page 745, this evolution of the nanoroughness leads to time-dependent changes in wettability, from hydrophobic to superhydrophobic. This process of evolution is strongly dependent on temperature. The study provides a basis for the production of tuned, time-dependent, temperature-sensitive material surfaces with changeable wettability.