

A Tokay gecko with yellow and red spots is climbing a glass surface. The gecko's body is covered in small, bumpy scales. Its feet are visible, showing the adhesive pads. The background is a blurred, naturalistic setting with brown and green tones.

# ADVANCED FUNCTIONAL MATERIALS

## ADHESIVES

Nature has proven to be a tremendous resource in the development of new technologies with exceptional properties. With inspiration taken from the Tokay gecko, N. S. Pesika and co-workers create a bidirectional switchable dry adhesive with properties reminiscent of the natural gecko adhesive pad. On page 574 the researchers demonstrate how their design opens the way for new gecko-like adhesive surfaces and articulation mechanisms that do not rely on intensive nanofabrication.