

Legends to the Supplementary Movies

Supplementary Movie 1. Bending of the organic polymer-crystal hybrid materials induced by humidity.

Supplementary Movie 2. Bending of the organic polymer-crystal hybrid materials induced by temperature.

Supplementary Movie 3. Simulation of a plant tendril by using hybrid crystal-polymer material.

Supplementary Movie 4. Simulation of a spider-like motion by using organic polymer-crystal hybrid materials.

Supplementary Movie 5. Gripping device based on organic polymer-crystal hybrid materials.

Supplementary Movie 6. “Walking“ of the organic polymer-crystal hybrid materials across a surface.