



Highlighting research from the Conductive Polymer Laboratory led by Prof. Hidenori Okuzaki at the University of Yamanashi.

Ionic shape memory polymer gels as multifunctional sensors

A novel self-powered wearable sensor was fabricated using an ionic shape memory polymer (SMP) gel and the shape memory effect and sensor performance were investigated. It was found that the ionic SMP gel had potential as a wearable shape memory multifunctional sensor capable of generating electric charge and voltage in response to bending velocity and displacement, respectively.

As featured in:



See Hidenori Okuzaki *et al.*,
Soft Matter, 2022, **18**, 6791.