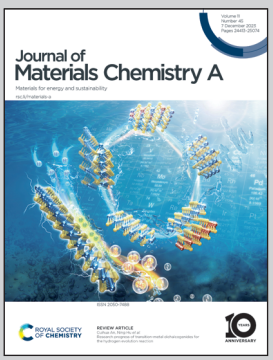
Highlighting a study on a highly stretchable, self-adhesive, anti-freezing, and highly sensitive dual-network conductive hydrogel sensor by a group of researchers led by Prof. Yongming Song from Northeast Forestry University.

A highly stretchable, self-adhesive, anti-freezing, and highly sensitive dual-network conductive hydrogel sensor for multifunctional electronic skin

In this study, a polyacrylamide/gelatin/MXene@cellulose nanofibers/$CaCl_2$ composite hydrogel sensor is prepared, which has excellent tensile properties of >1600%, high strain sensitivity of 19.95 over a wide strain range, excellent adhesion and frost resistance. It can accurately monitor various movements of the human body, vocal cord pronunciation, letter recognition, heat source location and human-computer interaction.

As featured in:



See Yongming Song *et al.*, *J. Mater. Chem. A*, 2023, **11**, 24608.

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