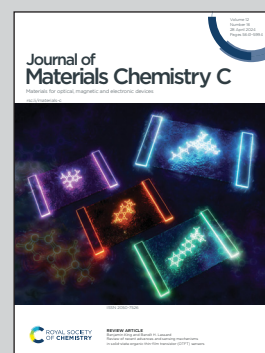


Showing research from the Department of Chemical Engineering, Polytechnique Montréal, Montréal, Canada.

Conducting polymer films and bioelectrodes combining high adhesion and electro-mechanical self-healing

Soft films obtained from PEDOT:PSS, ethylene glycol, and tannic acid exhibited a low Young's modulus of ~450 kPa, high adhesion on the skin, stretchability of ~90% strain, outstanding self-healing ability, and biocompatibility. Epidermal electrodes prepared using the films demonstrated high-quality electrocardiography and electromyography signal recordings.

As featured in:



See Fabio Cicoira *et al.*,
J. Mater. Chem. C, 2024, **12**, 5708.