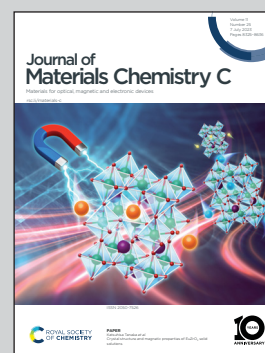


**Showcasing research from Zhejiang Sci-Tech University,  
Hangzhou, China**

A highly stretchable and sensitive strain sensor for  
lip-reading extraction and speech recognition

A CuNWs-rGO/PDMS strain sensor translates lip movements directly into speech or text by capturing lip muscle movements. It presents a promising way to help people with vocal cord lesions or laryngeal and speech impairments to communicate without barriers and will enrich the diversity of lip-reading systems in human-machine and silent speech interfaces.

**As featured in:**



See Lin Cheng *et al.*,  
*J. Mater. Chem. C*, 2023, **11**, 8542.