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HYBRIT

Self-Healing, Remoldable, and Conductive Starch-based Dual Reversible Crosslinking Hydrogels for Strain Sensors

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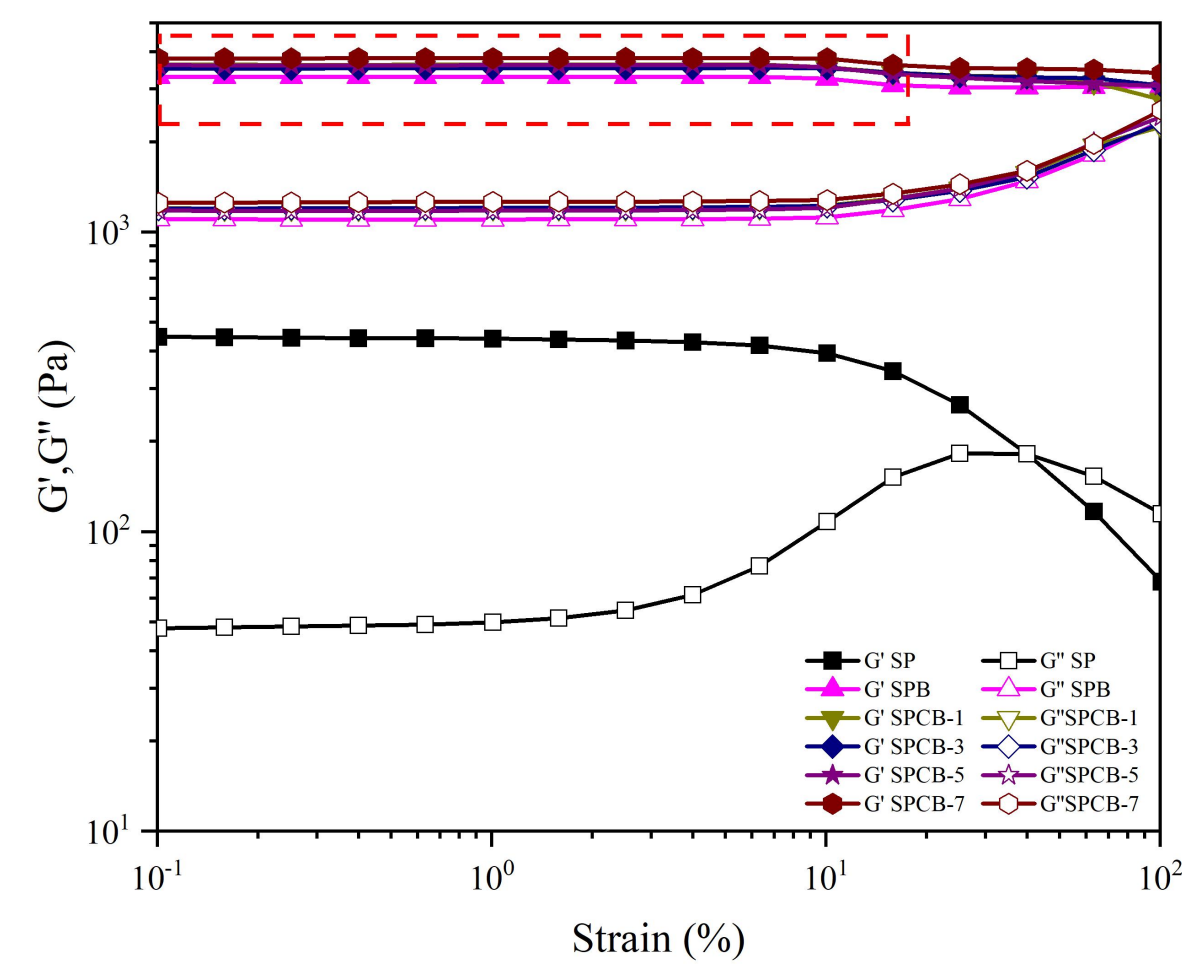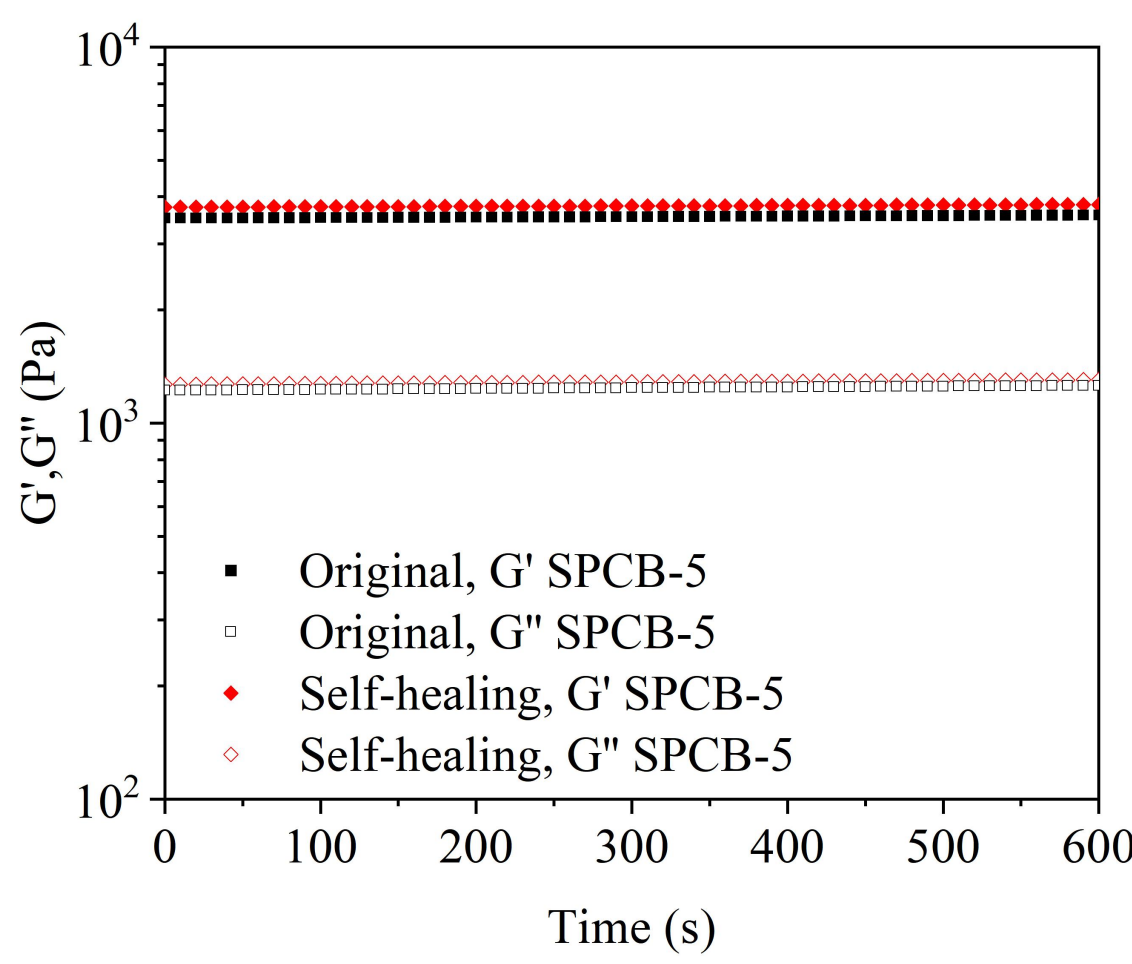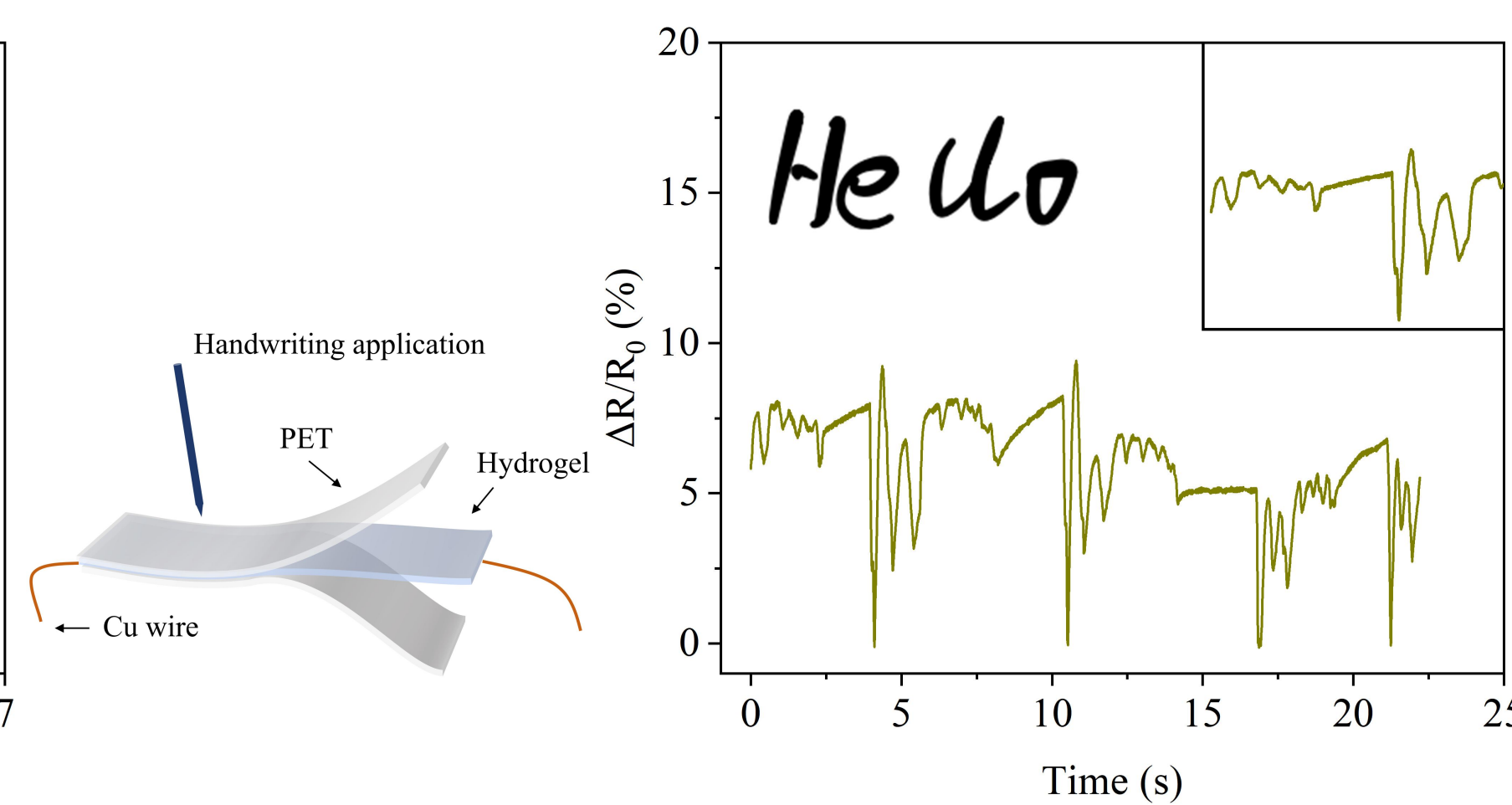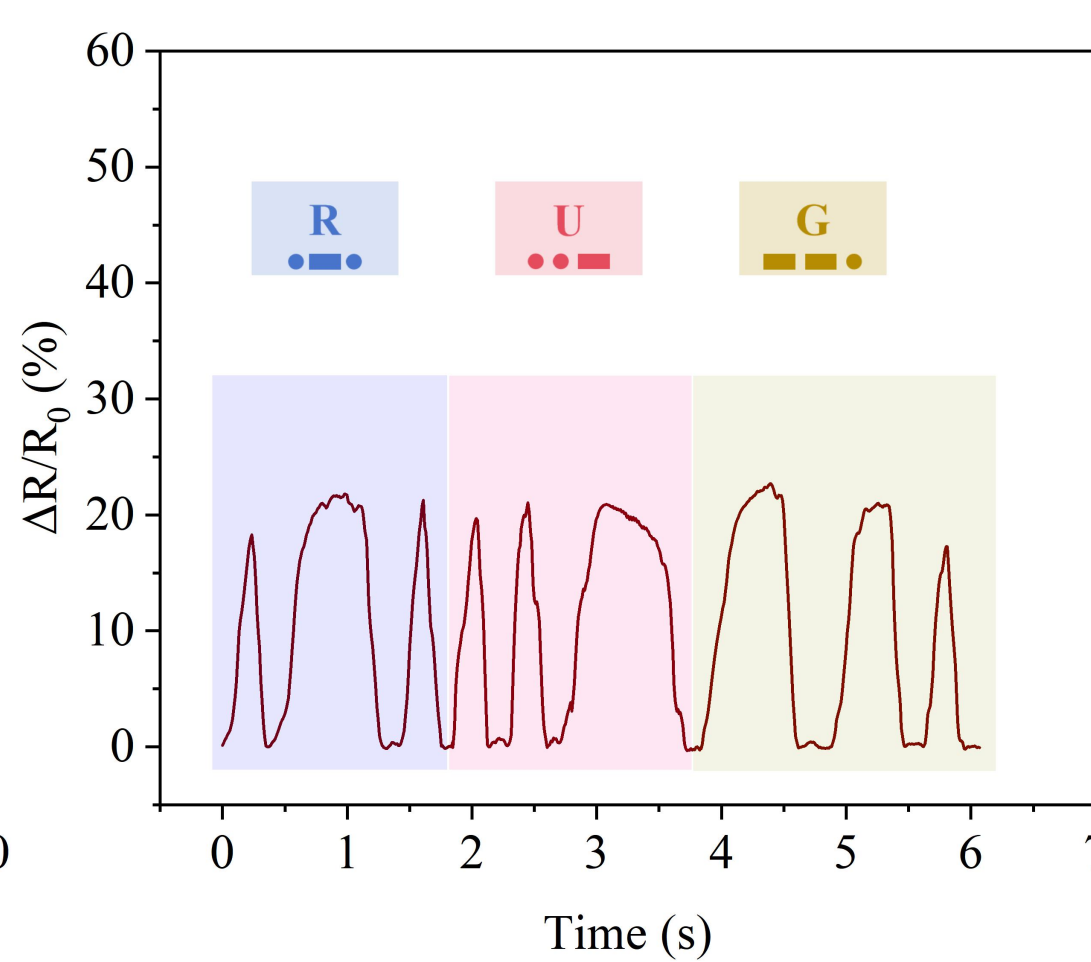
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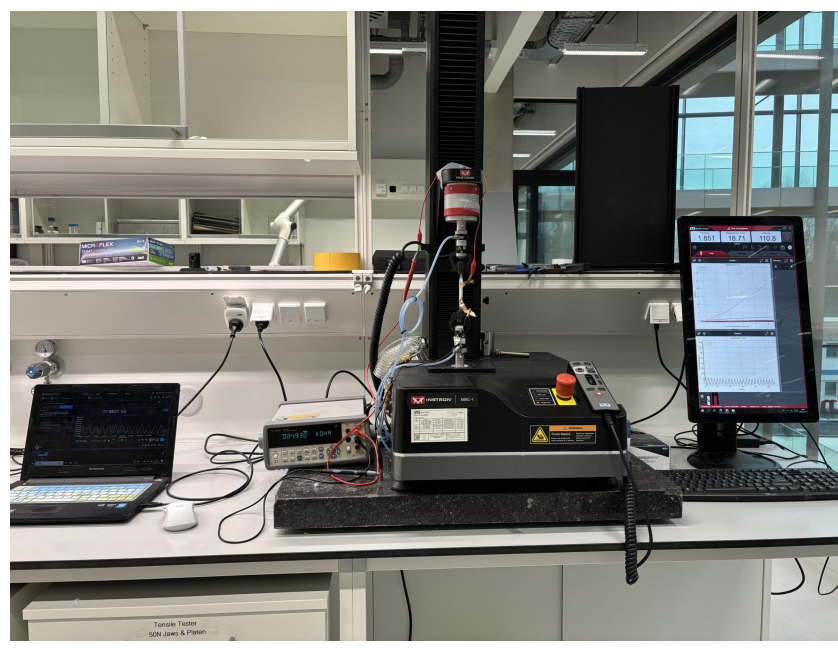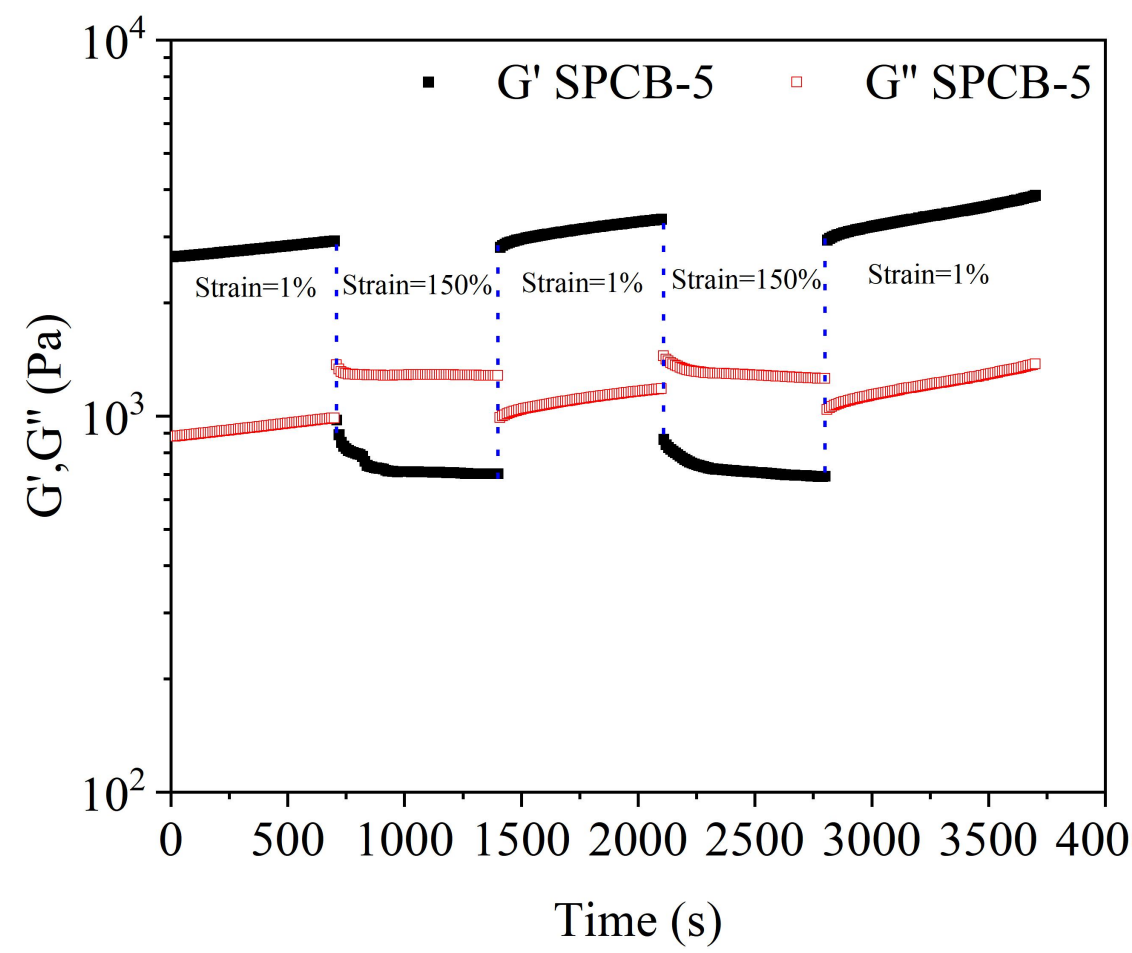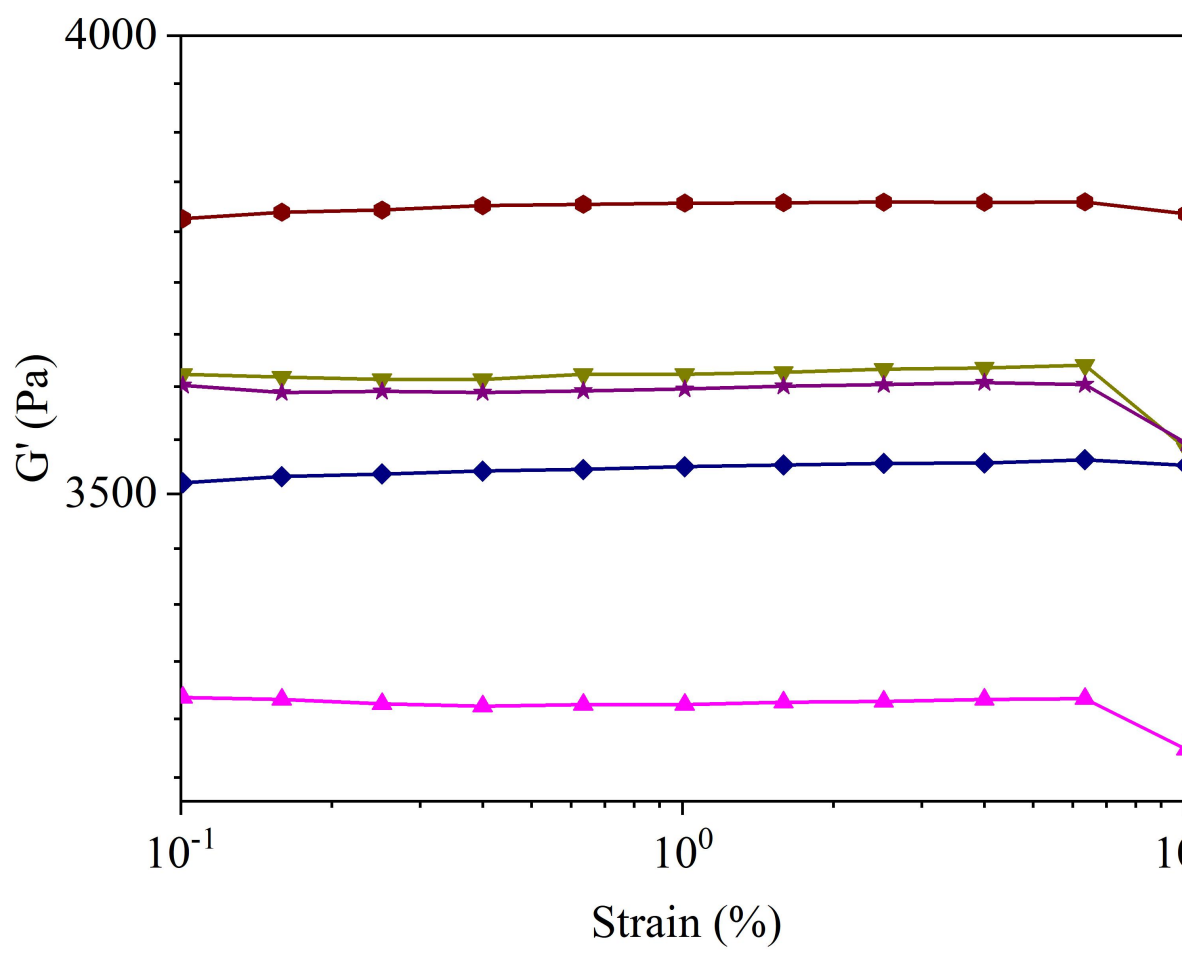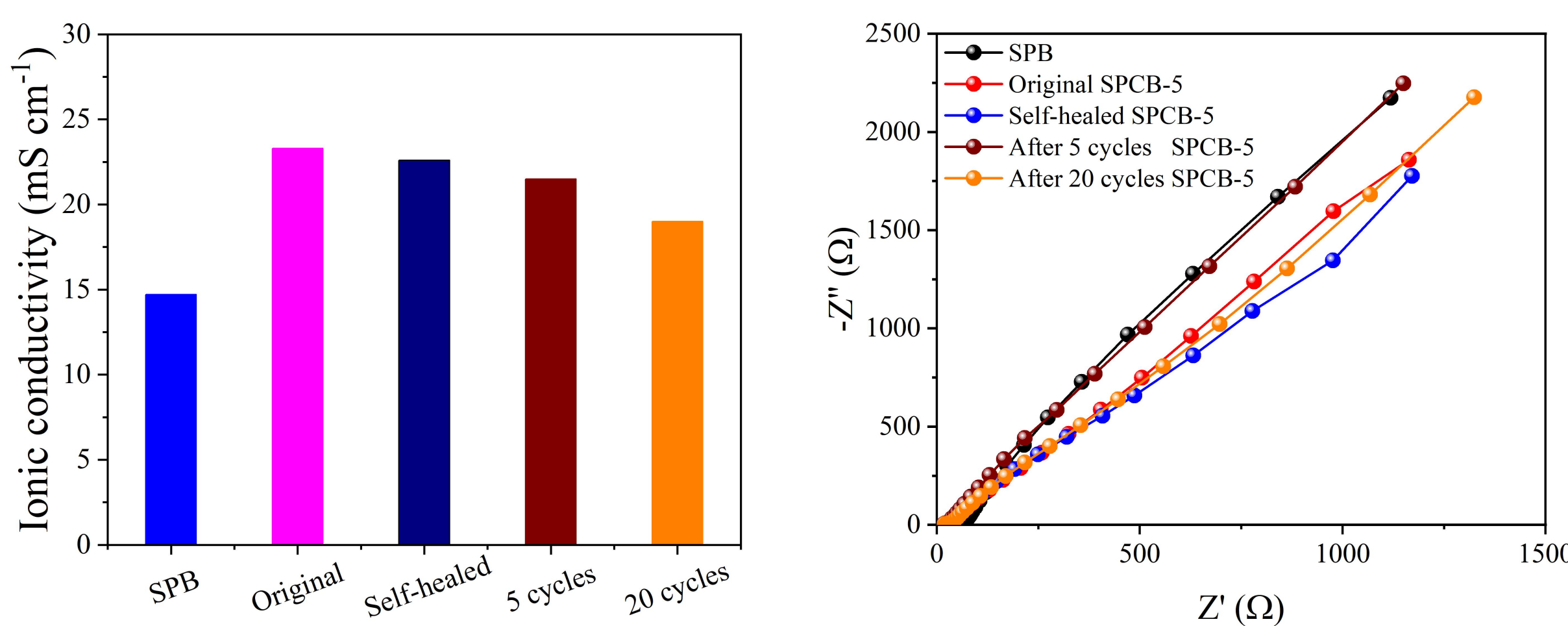## INTRODUCTION & METHODS
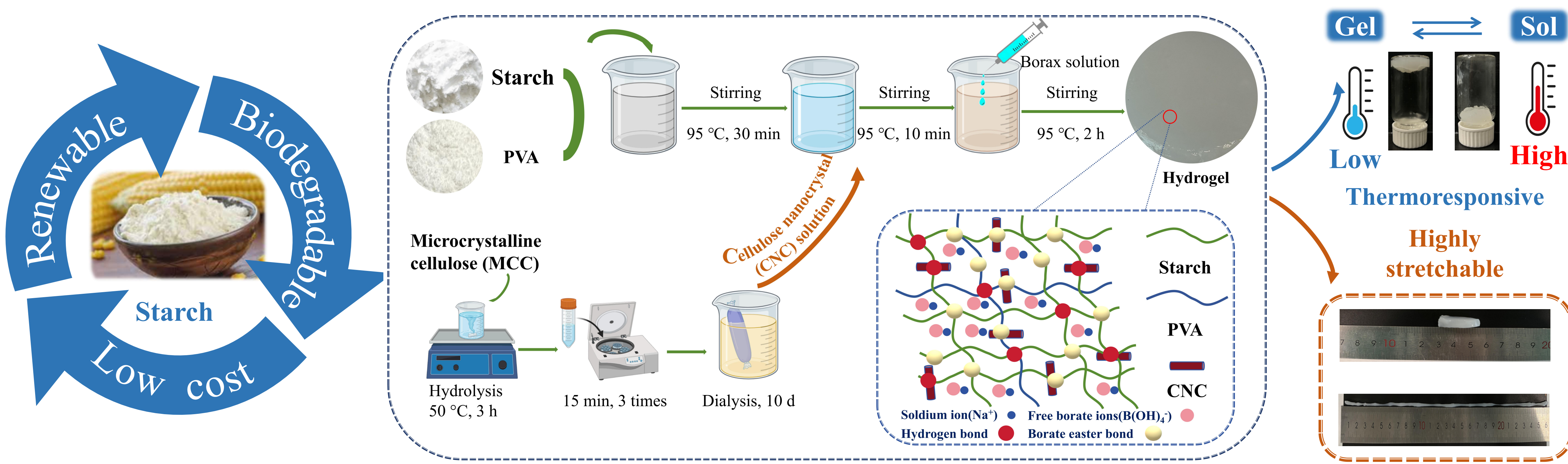
RESULTS

Rheological properties

Self-healing properties

Sensing performance
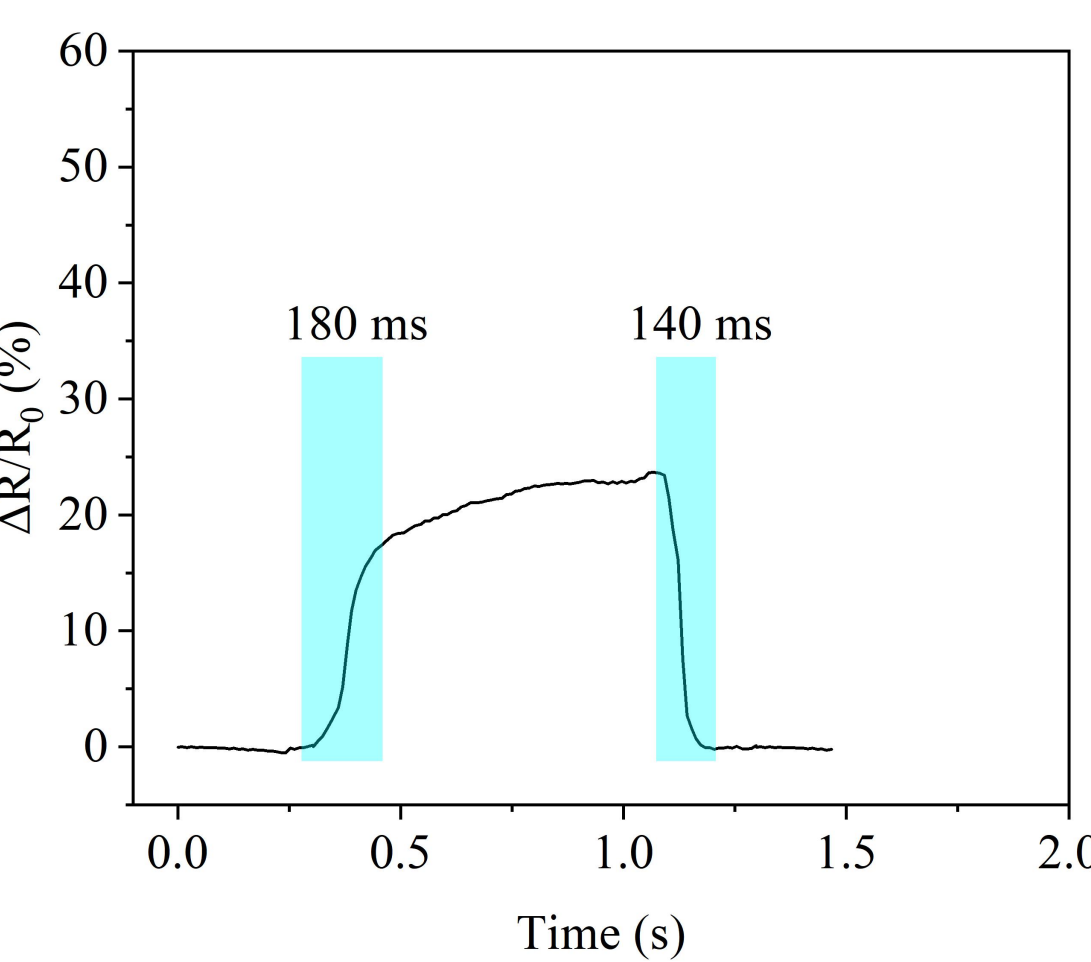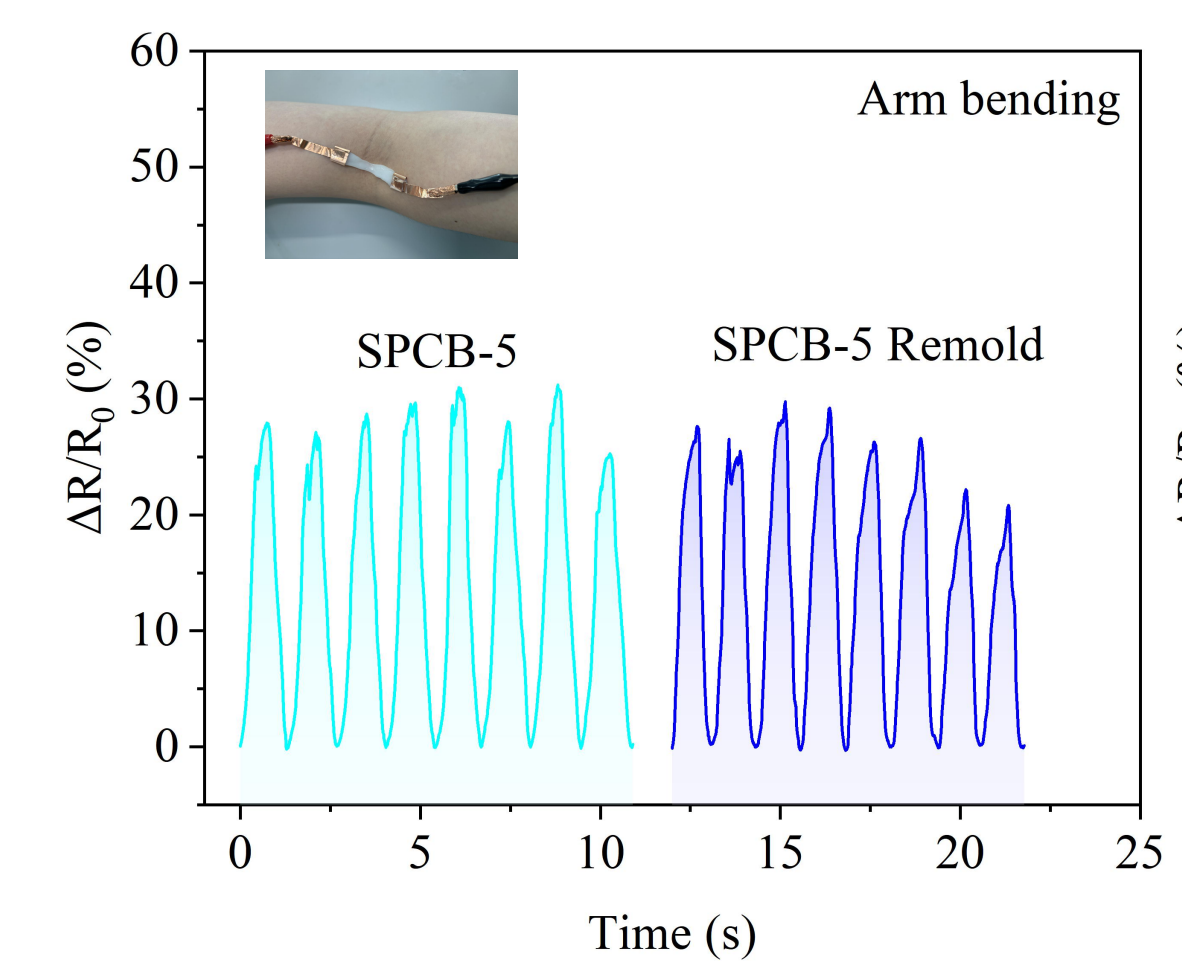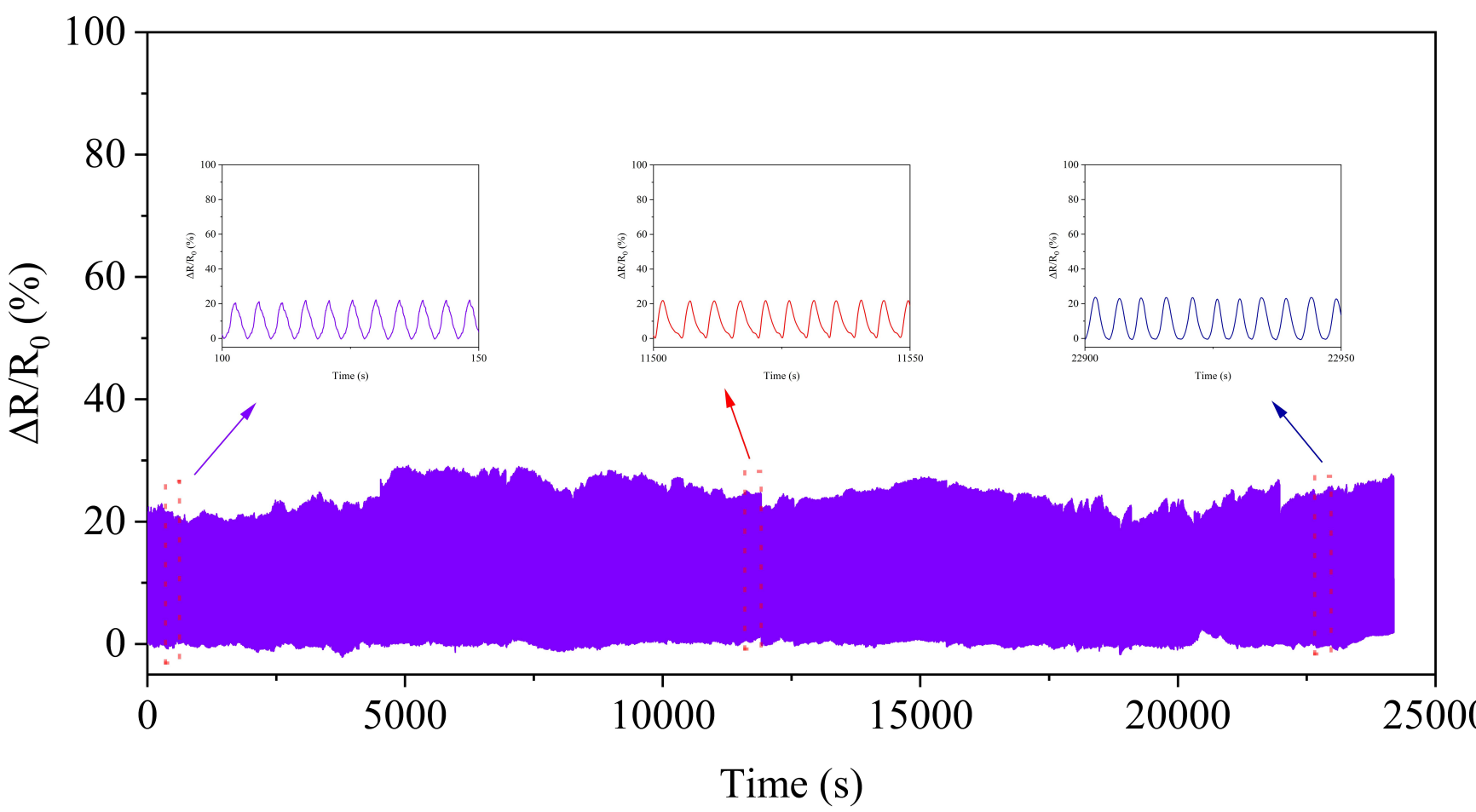
CONCLUSIONS & OUTLOOK

- Starch-based double-network hydrogels have been successfully prepared.

- The prepared hydrogels showed self-healing and thermoresponsive properties.

- The hydrogels are conductive and strain-sensitive, suitable for wearable sensors in human motion monitoring and Morse code detection.

ACKNOWLEDGEMENTS

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[3] Burhani, D.; Voet, V. S. D.; Folkersma, R.; Maniar, D.; Loos, K. *Tetrahedron Green Chem* **2024**, 3, 100045.