

A Flexible and Stretchable Self-powered Nanogenerator in Basketball Passing Technology Monitoring

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Table S1. The advantages of PAAM-LiCl hydrogel compared with metal electrodes.

	Flexible	extendibility	transparency	manufacture	durability	conformability
Hydrogel electrodes	Good	Good	Good	Easy	Good	Good
Metal electrodes	Bad	Bad	No	Hard	Bad	Bad

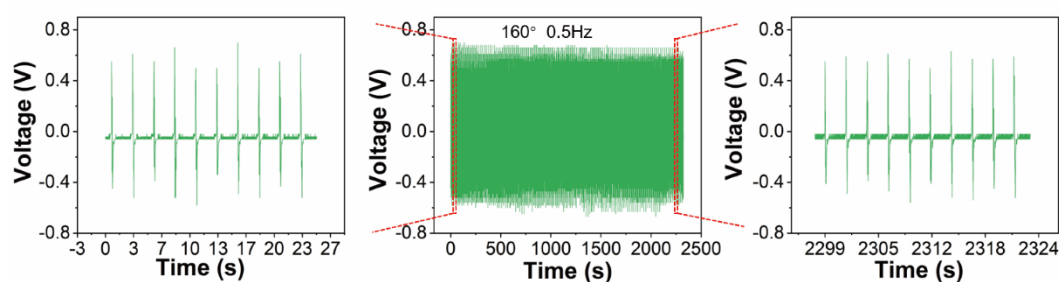


Figure S1. Durability property of TSB-PENG.

Supplementary Movie S1. The output voltage signal of PENG at bend, twist and stretch;

Supplementary Movie S2. The PENG can charge 4.7 μF capacitor and drive the calculator;

Supplementary Movie S3. The device can transmit wireless signal to control the LED.

Supplementary Movie S4. The output signal of the hook pass movement is collected;

Supplementary Movie S5. The output signal of the shoulder pass movement is collected;

Supplementary Movie S6. The output signal of the chest pass movement is collected;