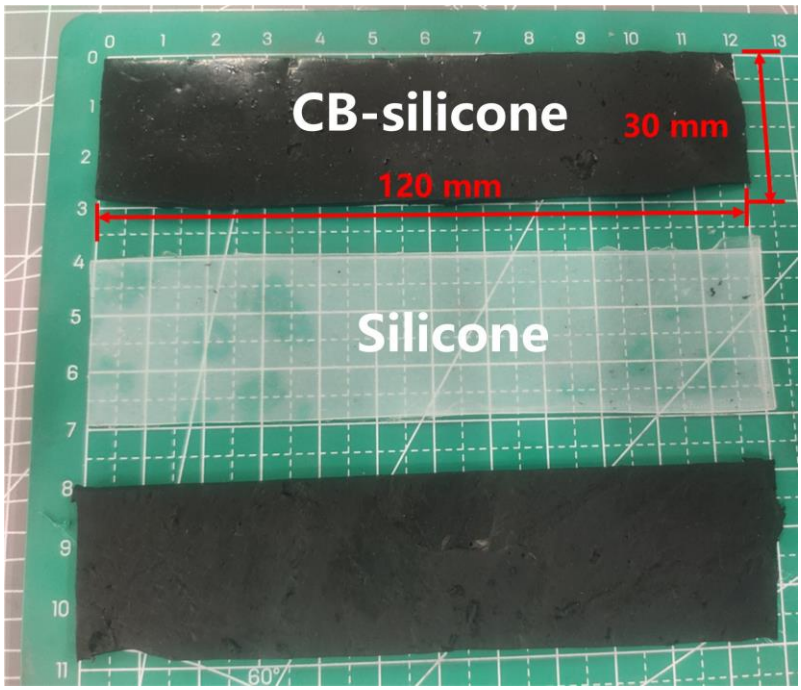


Figure S1. UF-TENG device physical diagram.



Figure S2. Cross-section of UF-TENG.

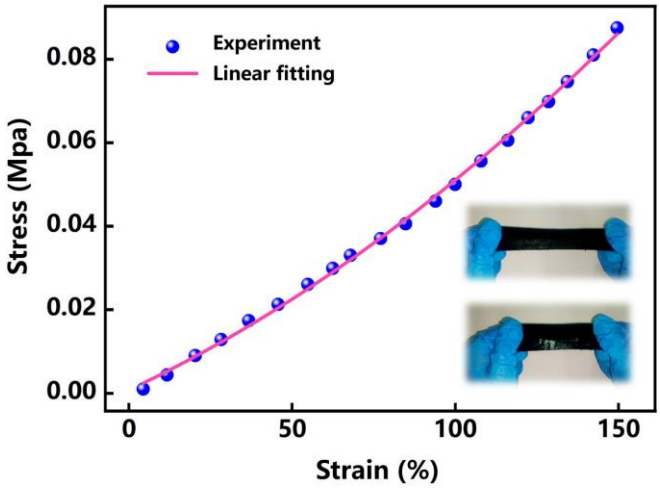


Figure S3. The tensile-strain curve of the CB-silicone electrode.

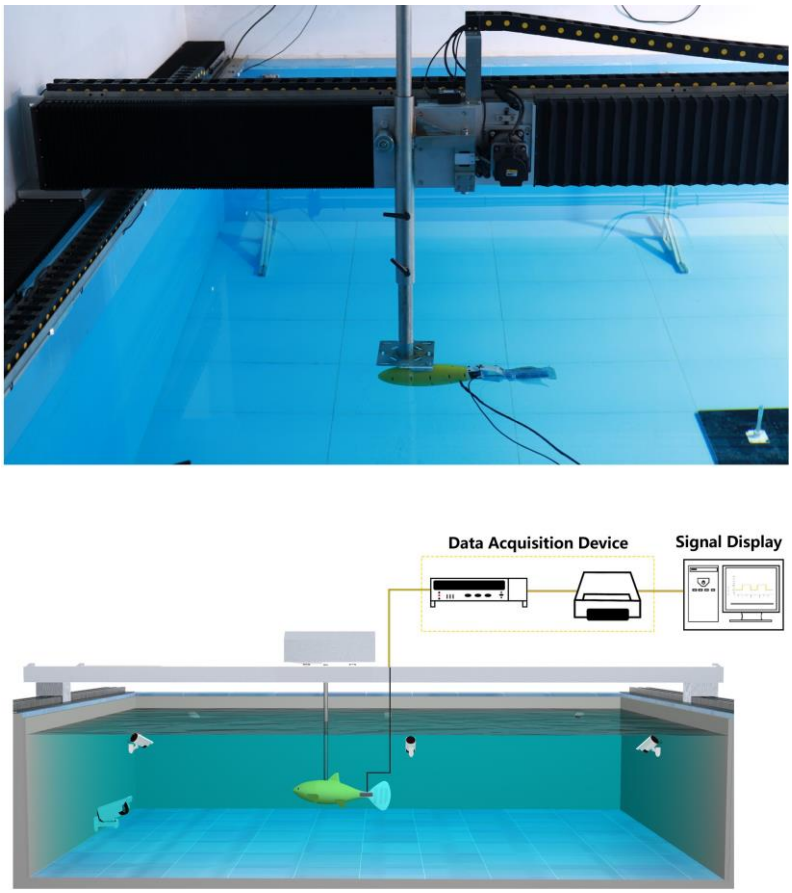


Figure S4. The contrast relationship between UF-TENG signal and fishtail swing posture.

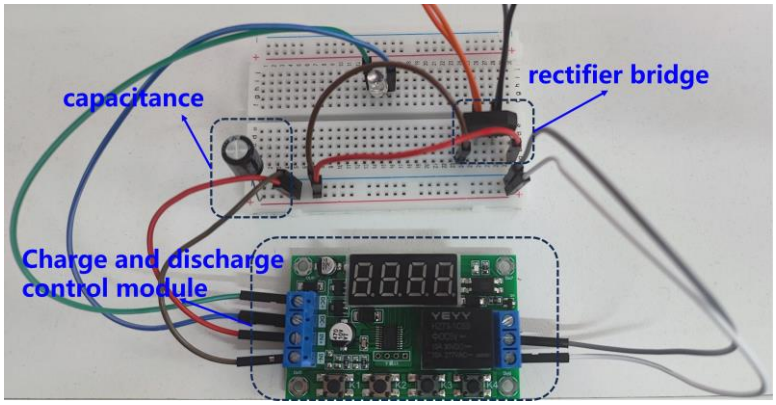


Figure S5. The contrast relationship between UF-TENG signal and fishtail swing posture.

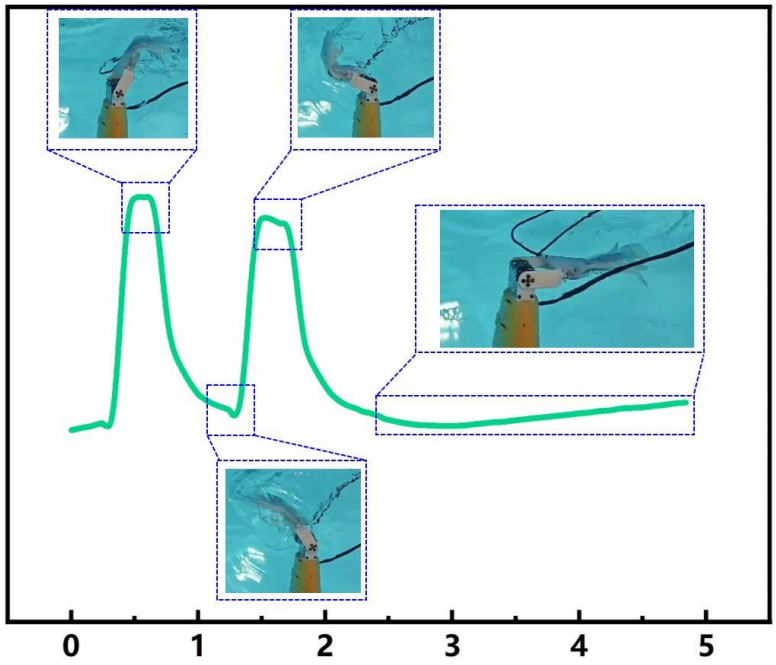


Figure S6. The contrast relationship between UF-TENG signal and fishtail swing posture.

Table S1: The attributes of the light-emitting diode

Product Name	F5 White Hair Blue
Foot length	short foot 18 mm/ long foot 28 mm
Wavelength	460-465 nm
Brightness	5000-7000 MCD
Voltage	3.0-3.2V
Current	20mA