

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Modulation and demodulation of current signals for data transmission in water.

File Name: Supplementary Movie 2

Description: Self-powered communication based on the voice-driven TENG.

File Name: Supplementary Movie 3

Description: Self-powered communication based on the button-type TENG.

File Name: Supplementary Movie 4

Description: Underwater communication in a 50 × 30 × 5 m basin.