

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: MO-TENGs for lighting up LEDs.

File Name: Supplementary Movie 2

Description: MO-TENGs for self-powered water quality sensing.

File Name: Supplementary Movie 3

Description: MO-TENGs for powering marine navigation light.

File Name: Supplementary Movie 4

Description: MO-TENGs enabled self-powered sensing under wave excitation.

File Name: Supplementary Movie 5

Description: MO-TENGs enabled self-powered sensing in random wave tank.

File Name: Supplementary Movie 6

Description: MO-TENGs enabled self-powered sensing in real ocean environment.