

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Working demonstration of the L-L TENG.

File Name: Supplementary Movie 2

Description: Demonstration of the establishment of the aqueous two-phase system.

File Name: Supplementary Movie 3

Description: Demonstration of lightening the LED by the L-L TENG in series.

File Name: Supplementary Movie 4

Description: Demonstration of the L-L TENG as power supply for electronic devices after charging capacitor.

File Name: Supplementary Movie 5

Description: Demonstration of the biocompatibility of the L-L TENG as a suitable protein microreactor.