

Supplementary Materials

Self-Powered Electrical Impulse Chemotherapy for Oral Squamous Cell Carcinoma

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Supplementary Figures S1–10.

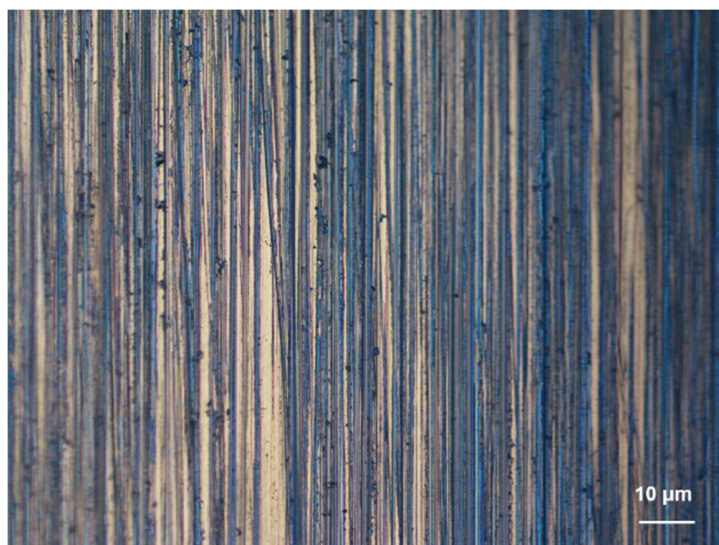


Figure S1. The surface microstructure of the Al sheet acquired by an optical microscope.

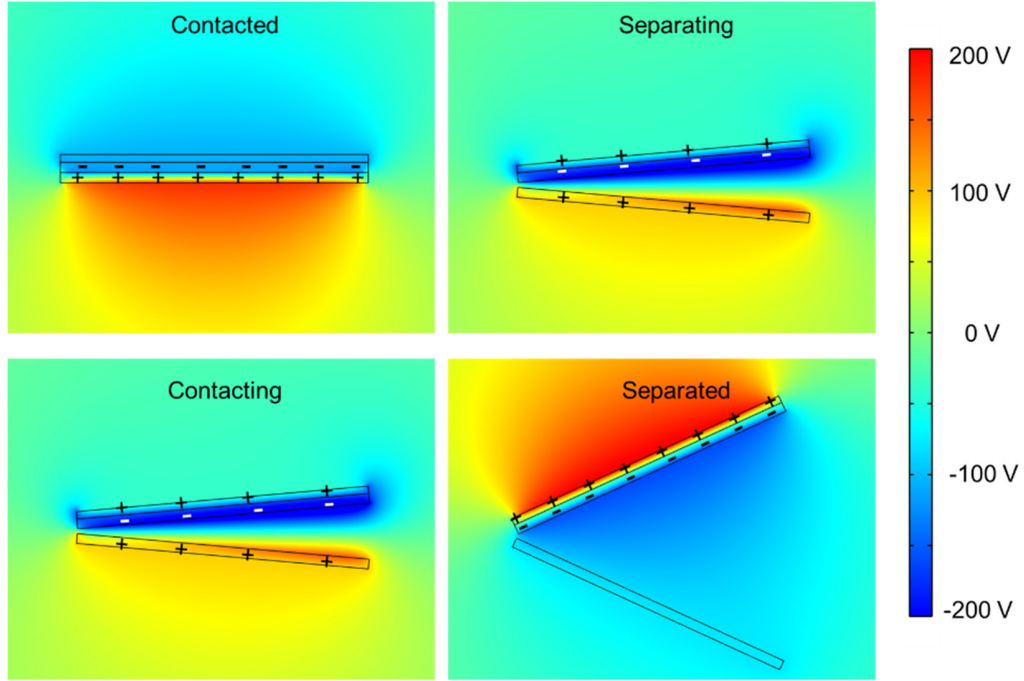


Figure S2. The TENG's electrical distribution of charges with COMSOL software.

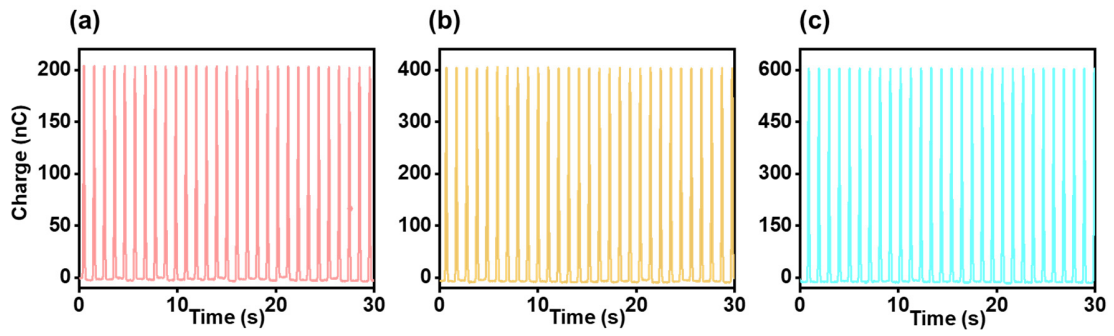


Figure S3. (a) The Q_{sc} when two PET layers working. (b) The Q_{sc} when three PET layers working. (c) The Q_{sc} when four PET layers working.

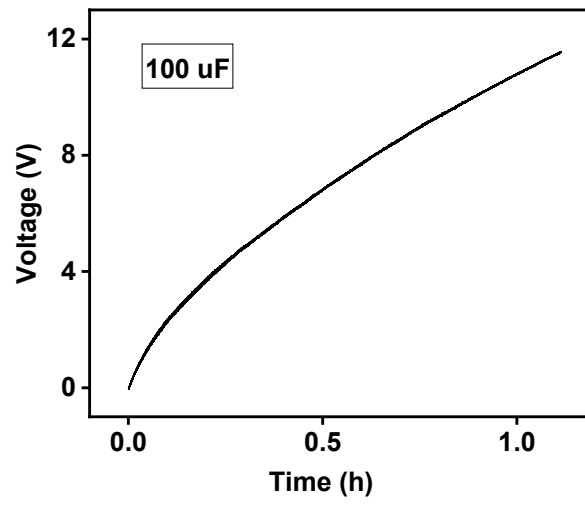


Figure S4. The charging curve of the TENG.

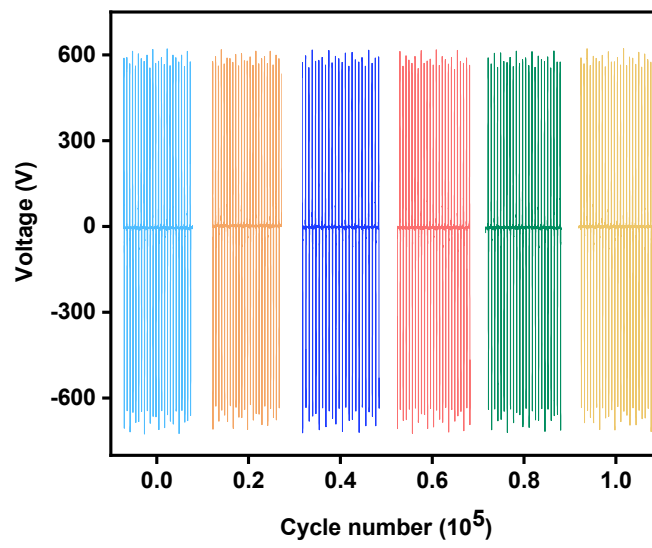


Figure S5. The stability test of the TENG.

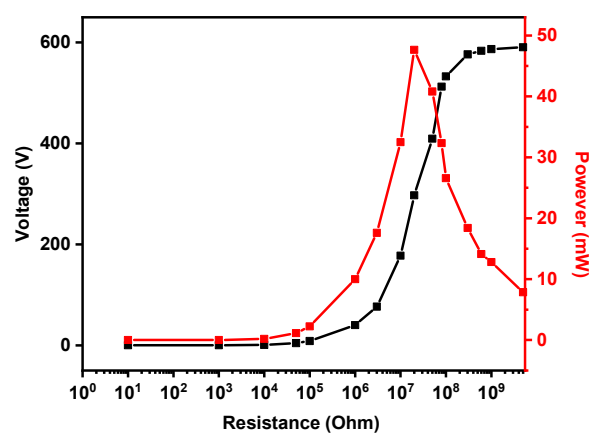


Figure S6. The power measurement of the TENG.

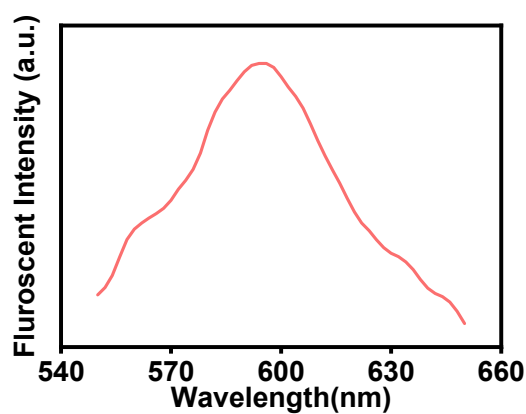


Figure S7. The fluorescence emission curve of the DOX.

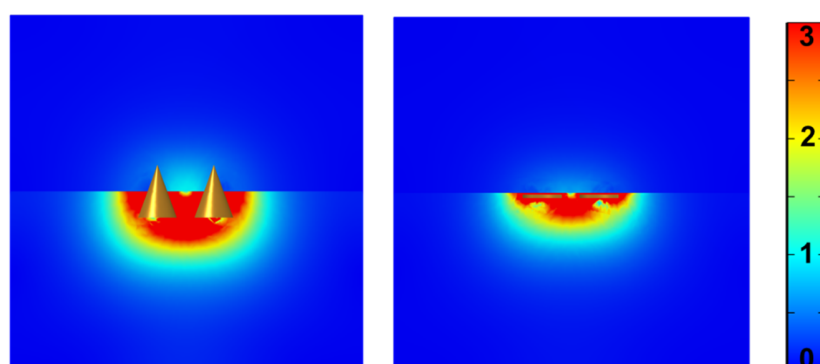


Figure S8. The finite element analysis of the microneedle electrode and planar electrode with the voltage of 200 V. EF: KV/cm.

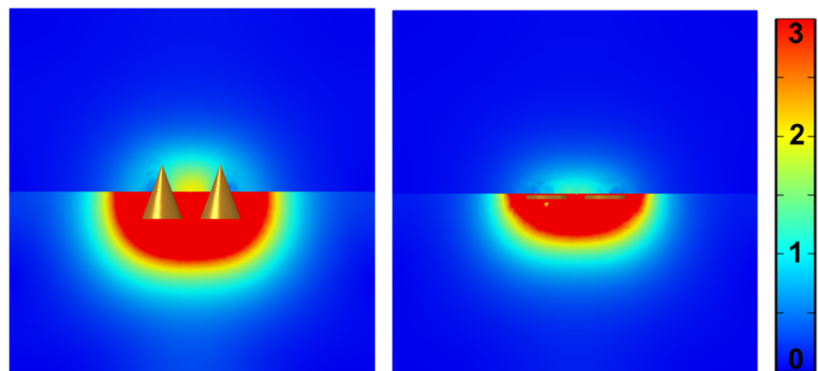


Figure S9. The finite element analysis of the microneedle electrode and planar electrode with the voltage of 400 V. EF: KV/cm.

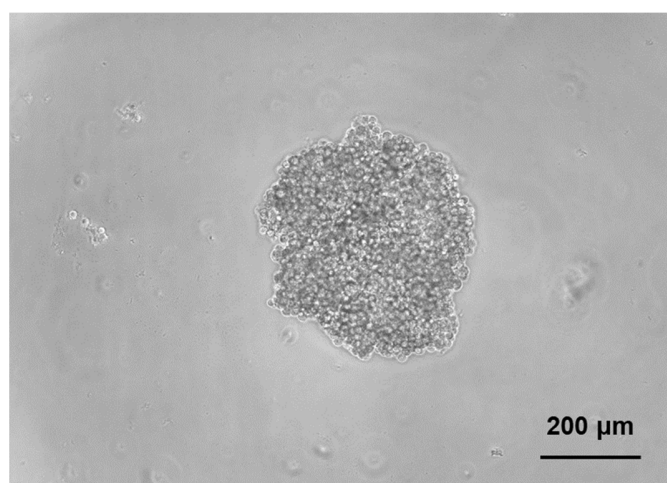


Figure S10. The optical microscope image of the MCTS on Day 0.