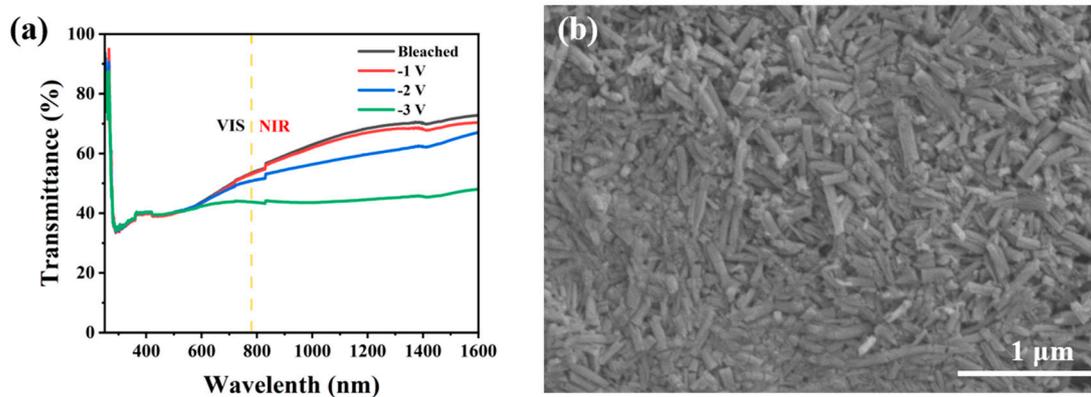


Self-powered Dual-band Electrochromic Supercapacitor Devices for Smart Window Based on Ternary Dielectric Triboelectric Nanogenerator

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Supporting Information



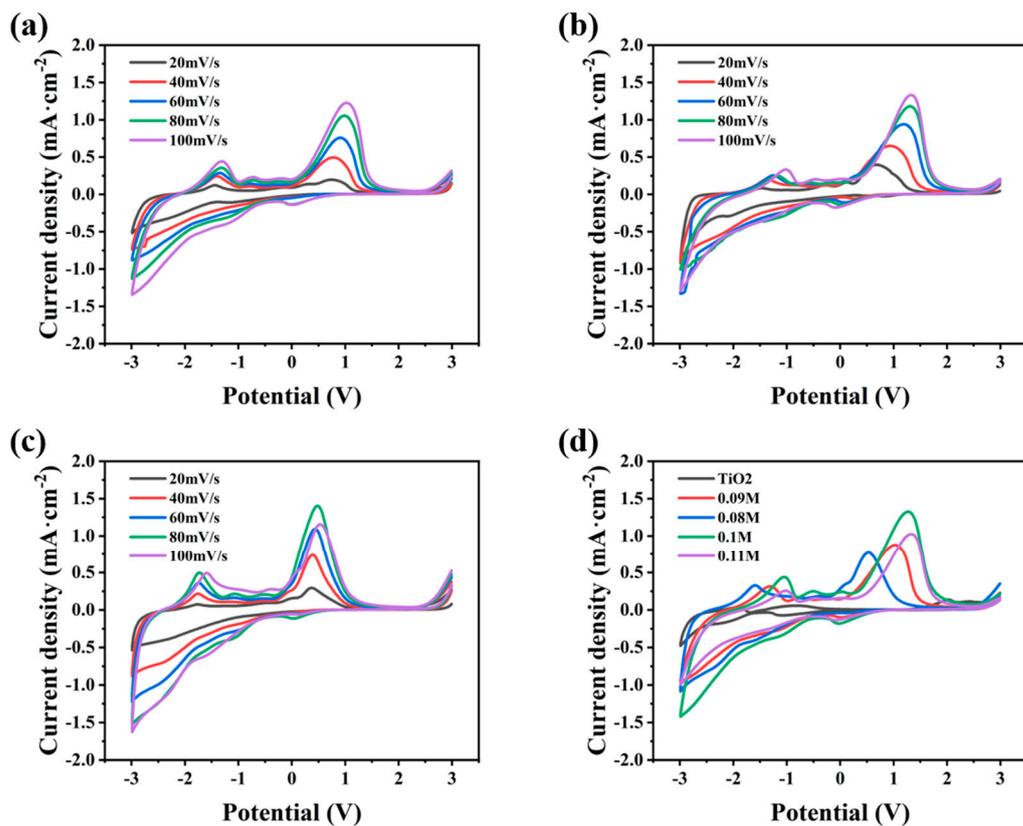


Figure S2. CV curves of the different WTO films at different scan rates (20 to 100 $\text{mV} \cdot \text{s}^{-1}$): (a) WTO-1, (b) WTO-2, (c) WTO-4. (d) CV curves of TiO_2 and different WTO films at 100 $\text{mV} \cdot \text{s}^{-1}$ scan rate.

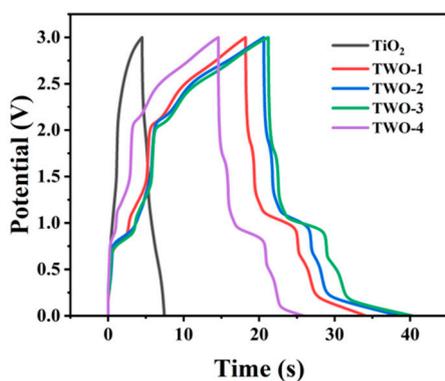


Figure S3. (a) GCD curves of TiO_2 and different WTO films at $0.6 \text{ mA} \cdot \text{cm}^{-1}$ current density.

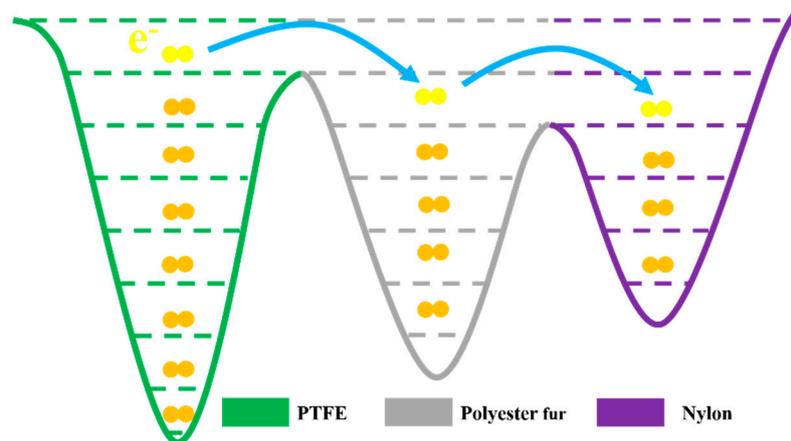


Figure S4. The electron cloud potential well model for surface charge transfer at the surface state among three dielectric materials in contact.

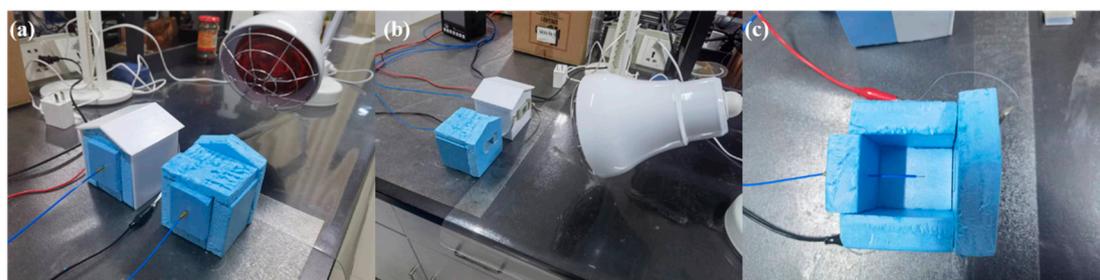


Figure S5. Infrared lamp irradiation experiments in the NIR band. Physical drawing of the test platform: (a) , (b) and (c).