Supplementary Materials

Regulation of MXene Membranes with β-Lactoglobulin Nanofiber-Templated CuS Nanoparticles for Photothermal Antibacterial Effect

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Figure S1. β-LGNF-CuS/MXene composite membrane after cyclic near-infrared (NIR) irradiation and physiological saline immersion.

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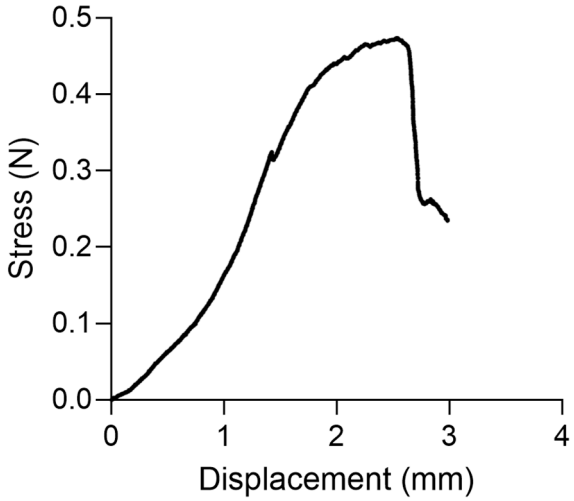


Figure S2. Mechanical properties of hybrid membranes after thermal cycling.

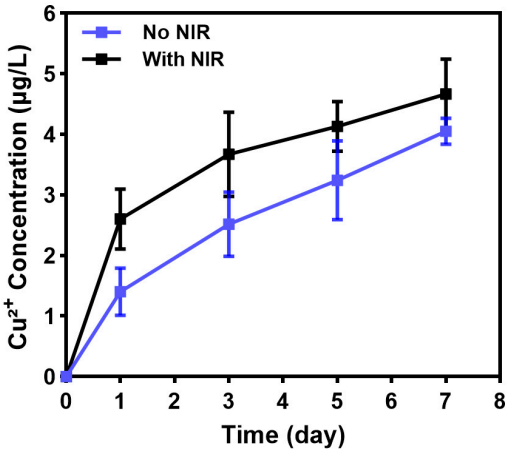


Figure S3. Release curve of Cu^{2+} in β-LGNF-CuS/MXene composite membrane.

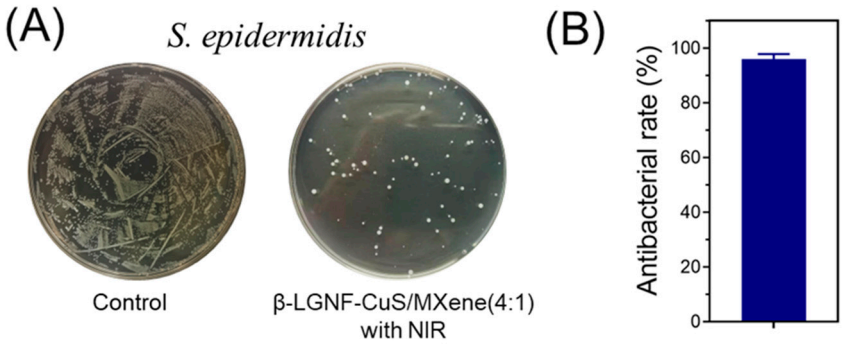


Figure S4. Antibacterial effect of hybrid membranes for *S. epidermidis*. (A) Agar plate photographs of S. epidermidis. (B) The quantification of the antibacterial rate. (n=3) The data are presented as mean ± standard deviation (SD).