Electronic Supporting Information

Synergistic Photothermal Antimicrobial Therapy using Graphene Oxide/Polymer Composite Layer-by-Layer Thin Films

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Figure S1. AFM image of exfoliated graphene oxide along with line profile thickness measurement.

Figure S2. TEM images of exfoliated graphene oxide sheets.
Figure S3: Surface roughness: (A-C) AFM images of the GO/PAH films (20 layers), and the surface roughness values were shown in the left side, root mean square (RMS) value ($S_q$) was compared for all three films. for the area of ~3.19*3.19 µm. Average surface roughness is ($S_q$) 7.36 nm.
Figure S4: Surface roughness: (A-C) AFM images of the GO/PAH films (40 layers), and the surface roughness values were shown in the left side, root mean square (RMS) value ($S_q$) was compared for all three films. for the area of ~3.19*3.19 µm. Average surface roughness is ($S_q$) 18.45 nm.
Figure S5: Surface roughness: (A-C) AFM images of the GO/PAH films (80 layers), and the surface roughness values were shown in the left side, root mean square (RMS) value ($S_q$) was compared for all three films. for the area of ~3.19*3.19 µm. Average surface roughness is ($S_q$) 39.24 nm.
Figure S6: SEM images of 40 layers treated cells (top) and 80 layers + laser treated cells (below) respectively, where scale bar represents 500 nm.