

Supporting Information

Silver nanoparticles coated by green graphene quantum dots for accelerating healing of *MRSA*-infected wound

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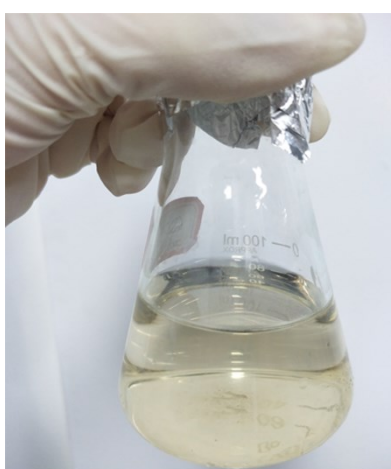


Figure S1. Photographs of graphene quantum dots (GQDs) solution synthesized by a facile and effective green method from natural polymer starch.

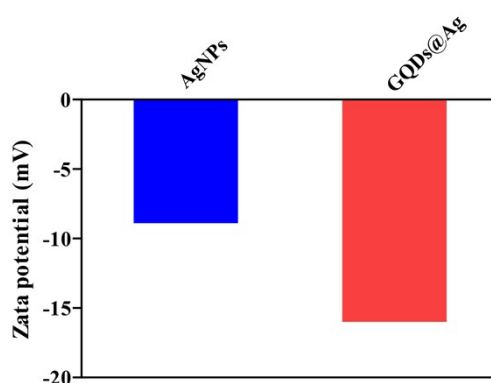


Figure S2. Zeta potential of AgNPs and GQDs@Ag.

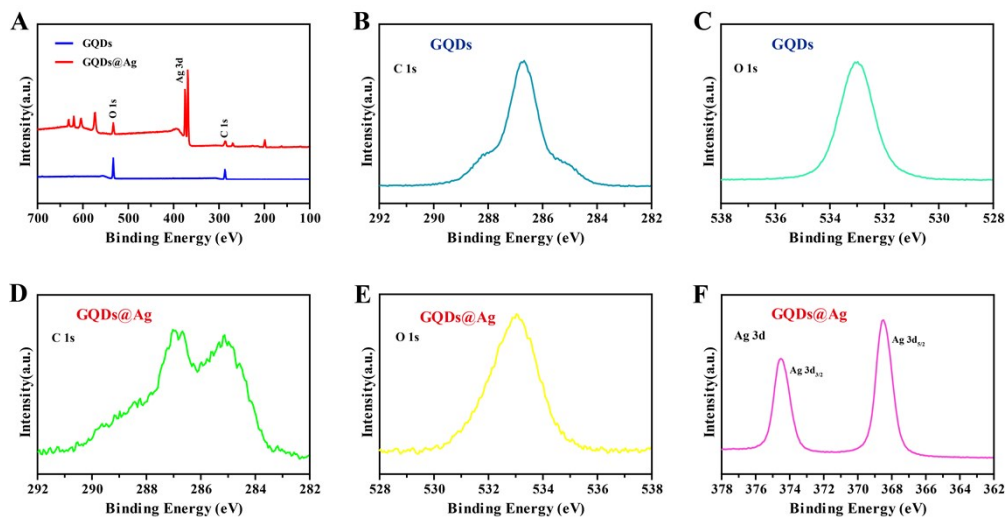


Figure S3. (A) XPS full scan spectra of GQDs (blue lines) and GQDs@Ag hybrids (red lines). High-resolution XPS spectra of (B) C 1s and (C) O 1s from GQDs. High-resolution XPS spectra of (D) C 1s, (E) O 1s and (F) Ag 3d from GQDs@Ag.

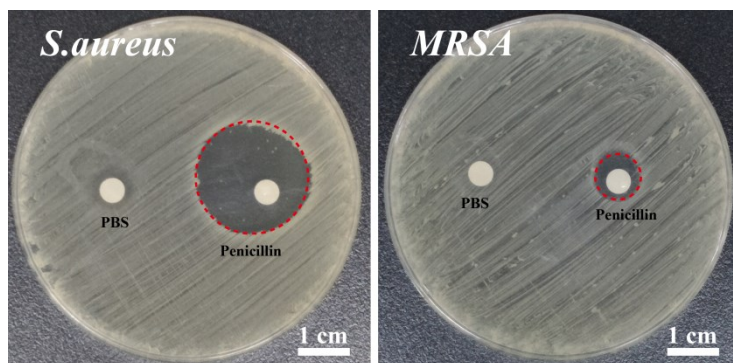


Figure S4. Photographs of inhibition zones of *S. aureus* and MRSA treated with penicillin (300 µg/mL) for 24 h.

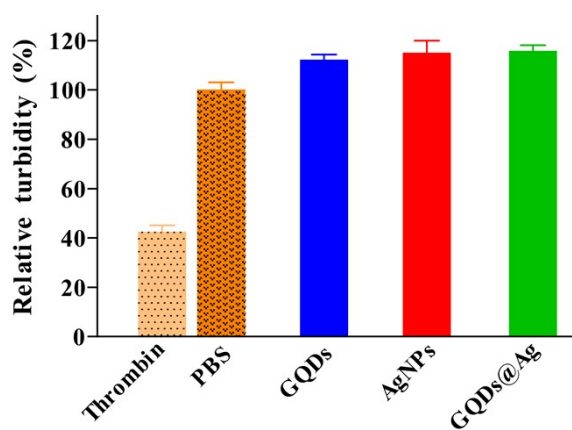


Figure S5. Platelet aggregation assay of GQDs, AgNPs and GQDs@Ag (20 µg/mL).

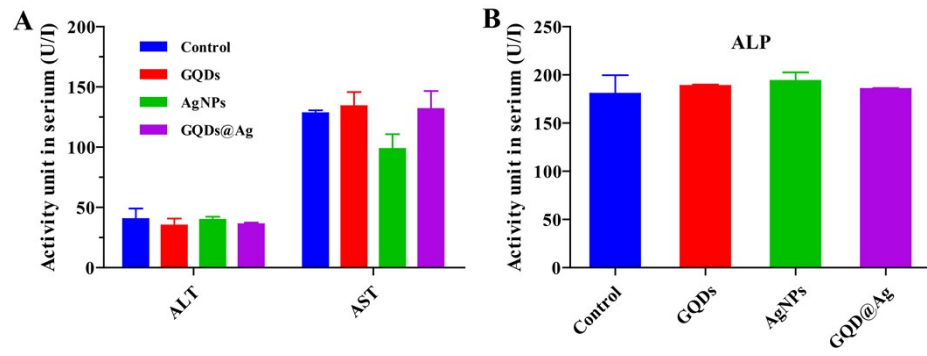


Figure S6. (A) ALT and AST level of the blood of each group of mice on the 10th day. (B) ALP level of the blood of each group of mice on the 10th day.