

S. aureus

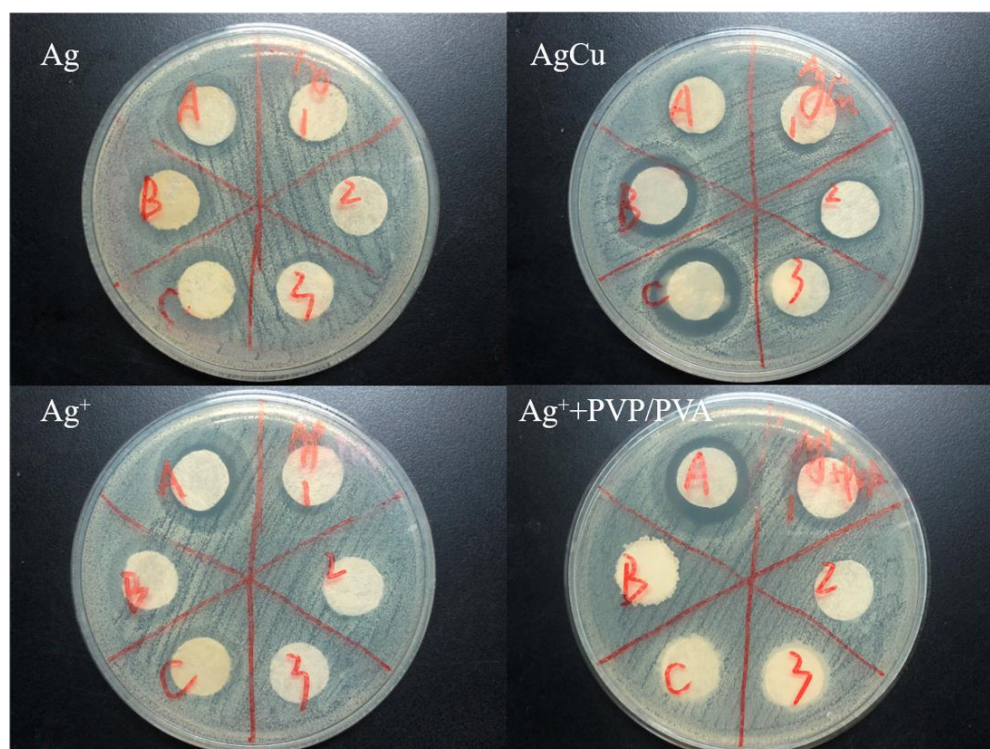


Figure S1. A comparison of Zone of Inhibition of *S. aureus* on Ag-nonwoven fabrics with different pretreatment: A, B, C were wet with 50 microliters of deionized water while 1, 2, 3 were not, before antibacterial evaluation, in the order of as prepared (A, 1), two-week (B, 2) and four-week (C, 3).

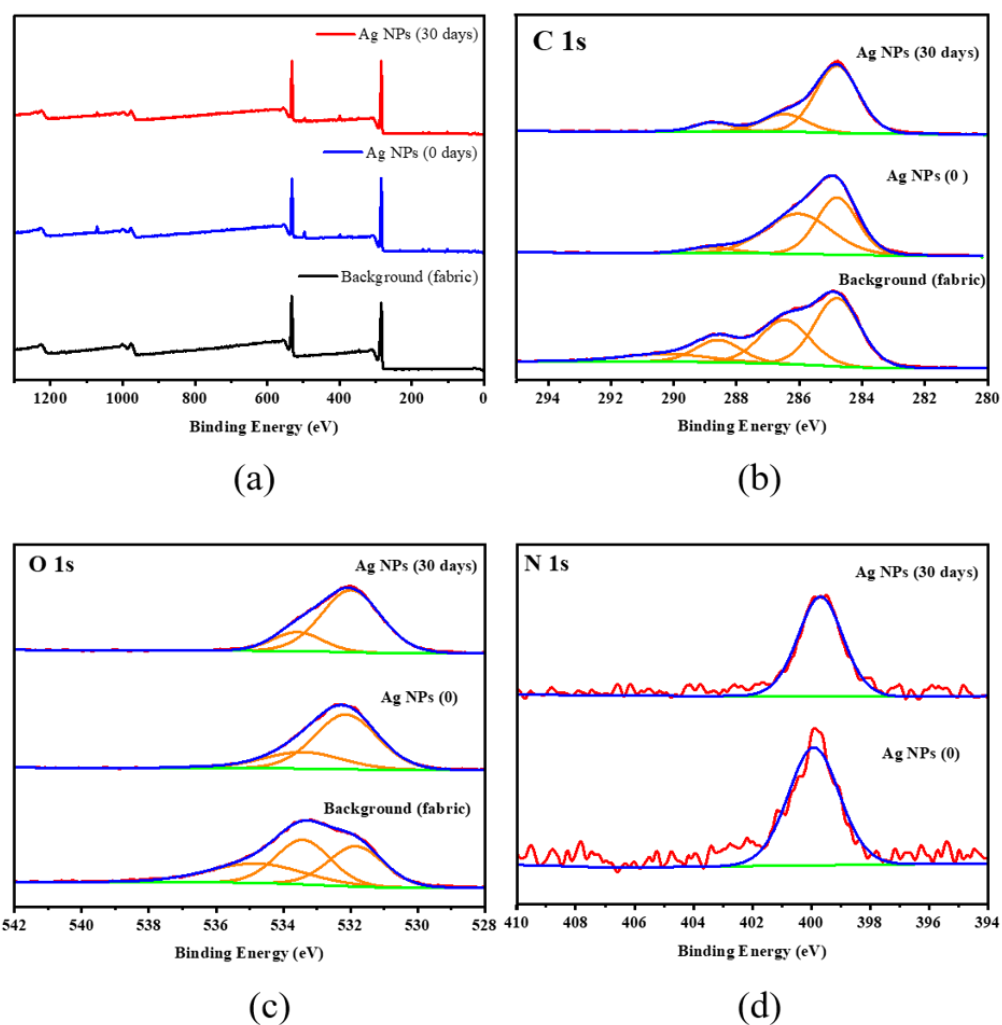


Figure S2. XPS of Ag NPs coated nonwoven fabrics. (a) Survey, (b) C1s, (c) O1s. (d) N1s.

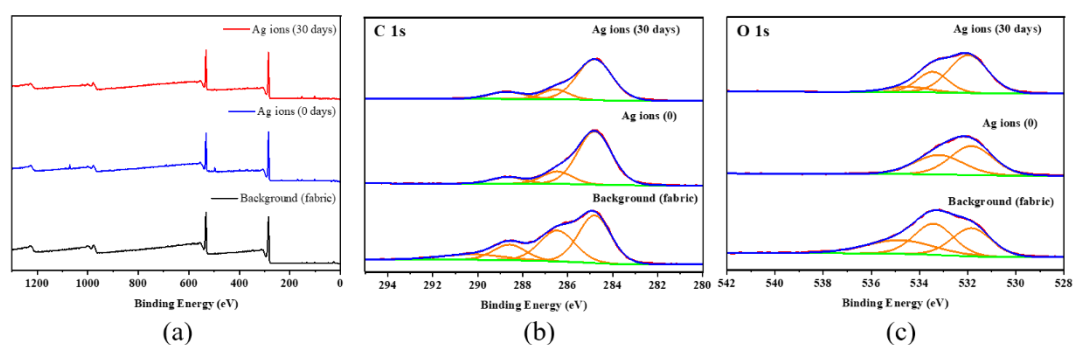
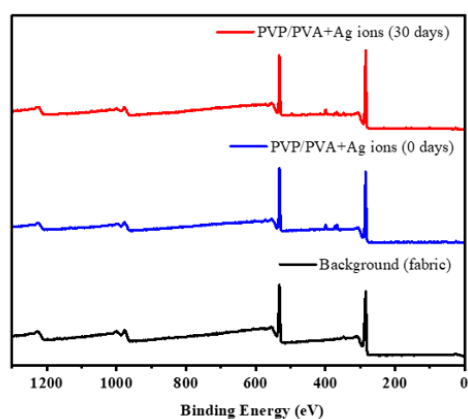
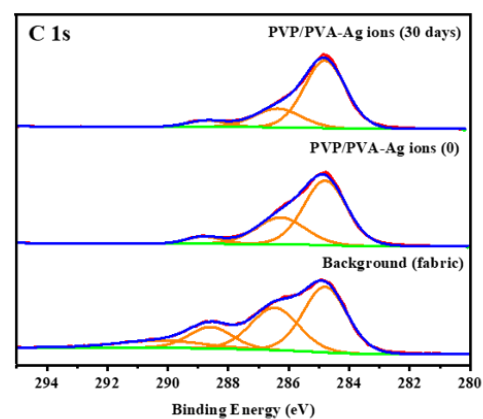


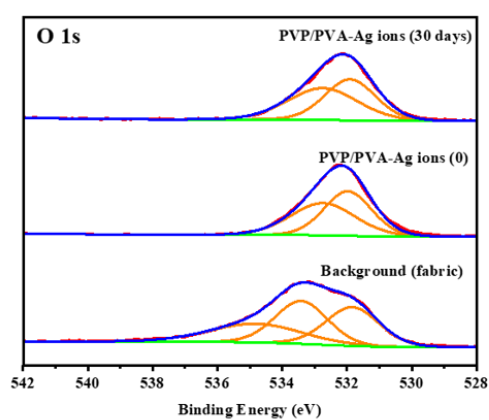
Figure S3. XPS of Ag ion-coated nonwoven fabrics. (a) Survey, (b) C1s, (c) O1s.



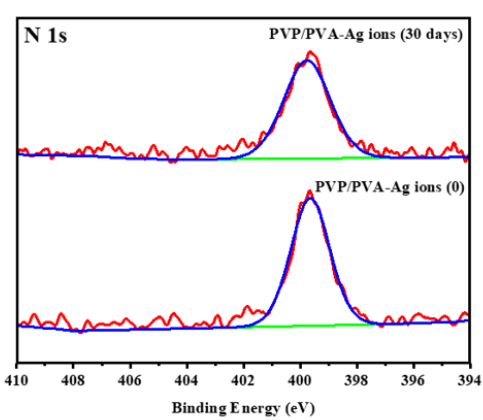
(a)



(b)



(c)



(d)

Figure S4. XPS of PVP/PVA + Ag ion-coated nonwoven fabrics. (a) Survey, (b) C1s, (c) O1s. (d) N1s.

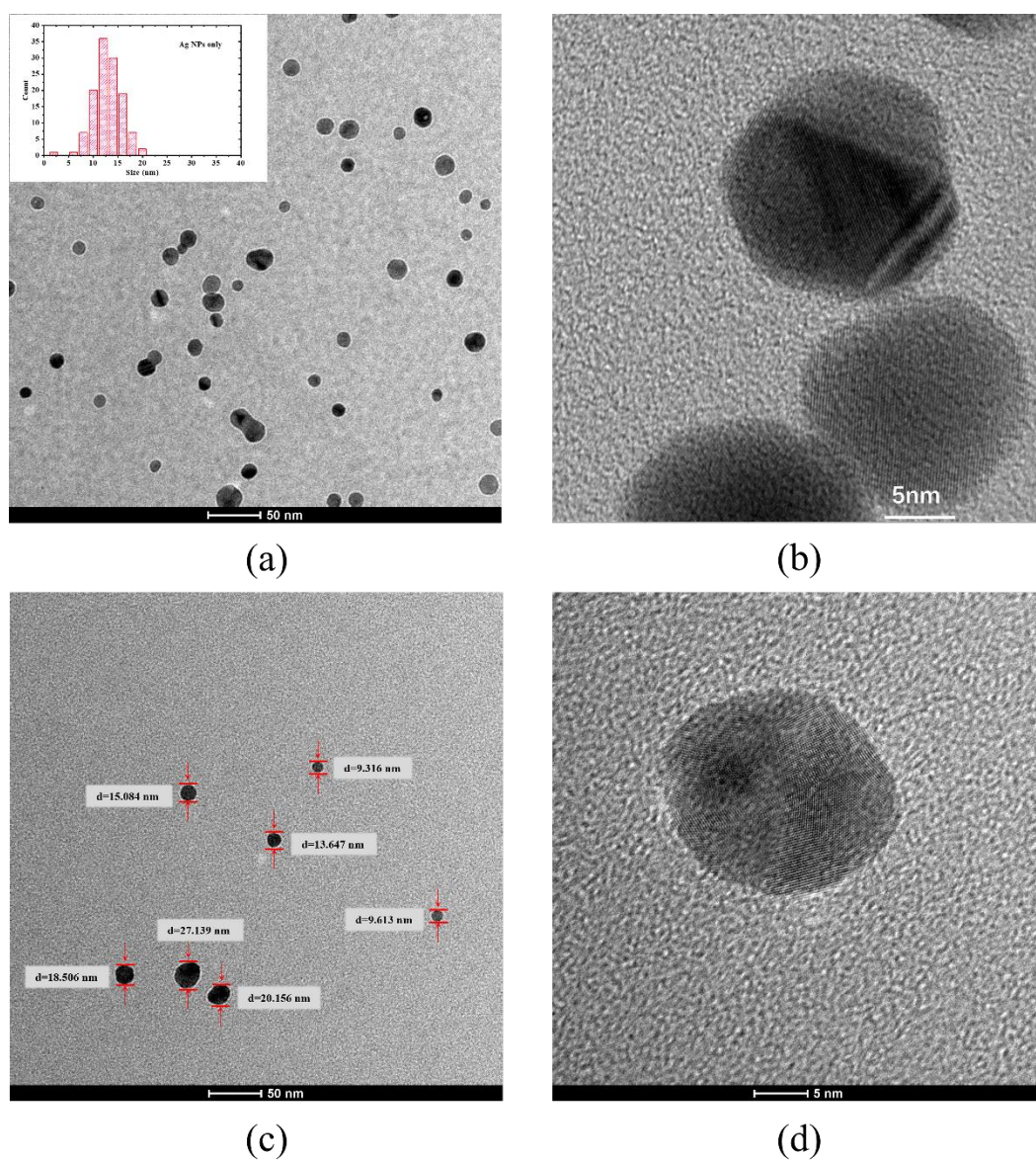


Figure S5. TEM photographs of Ag NPs at (a) low magnification, (b) high magnification; (c) Measured particle size and (d) high-magnification photo of AgCu NPs.