

***Electronic Supplementary Information***

**Amino-Containing Tannic Acid Derivative-Mediated Universal Coating for  
Multifunctional Surface Modification**

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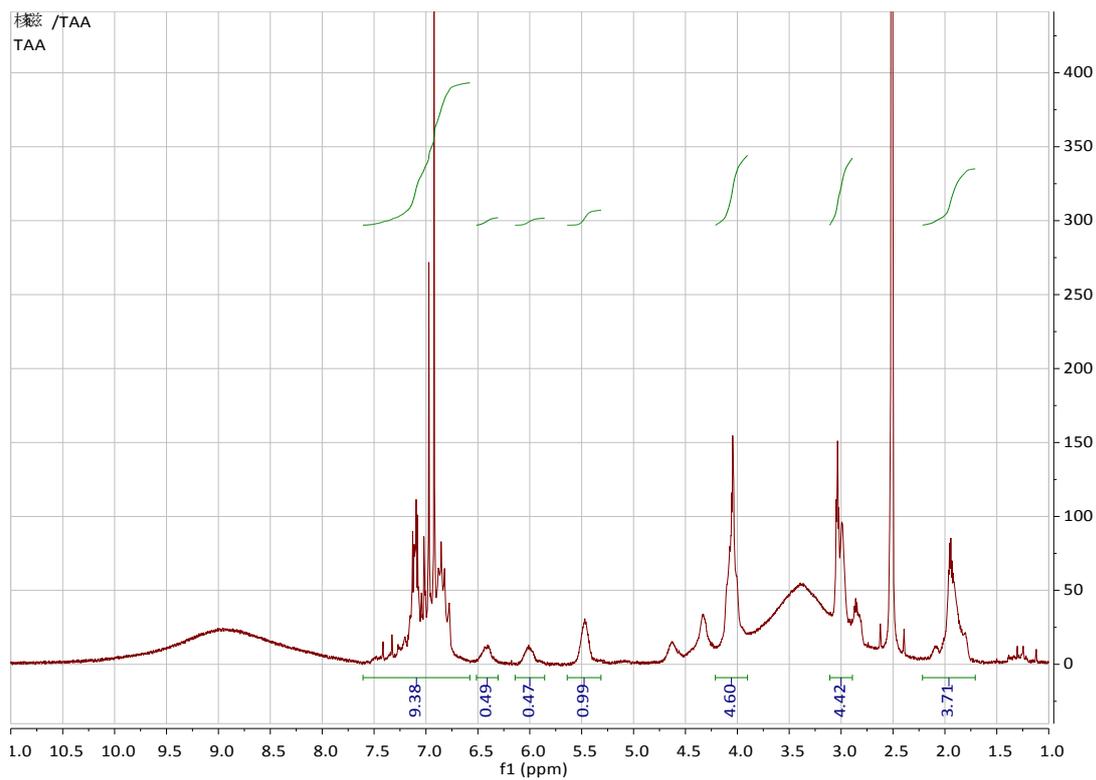
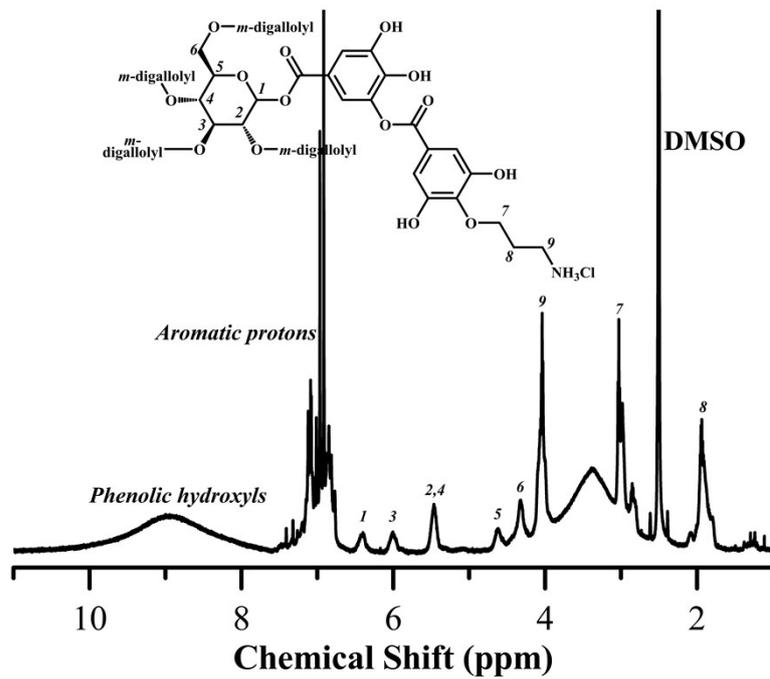
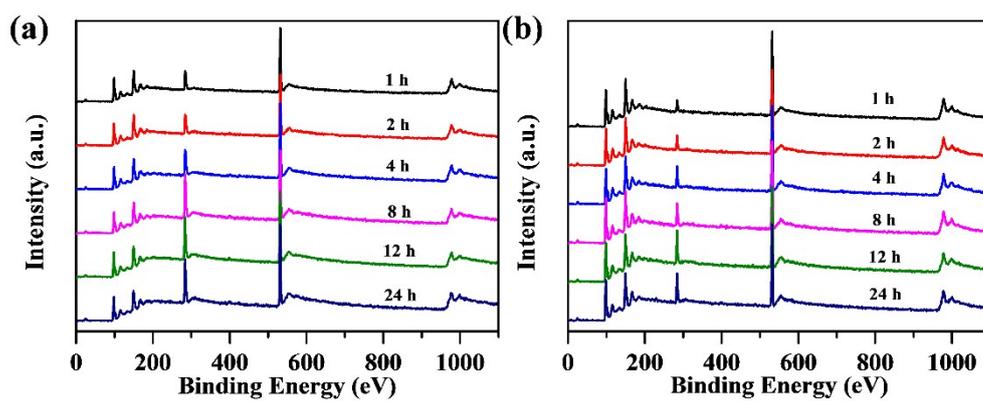
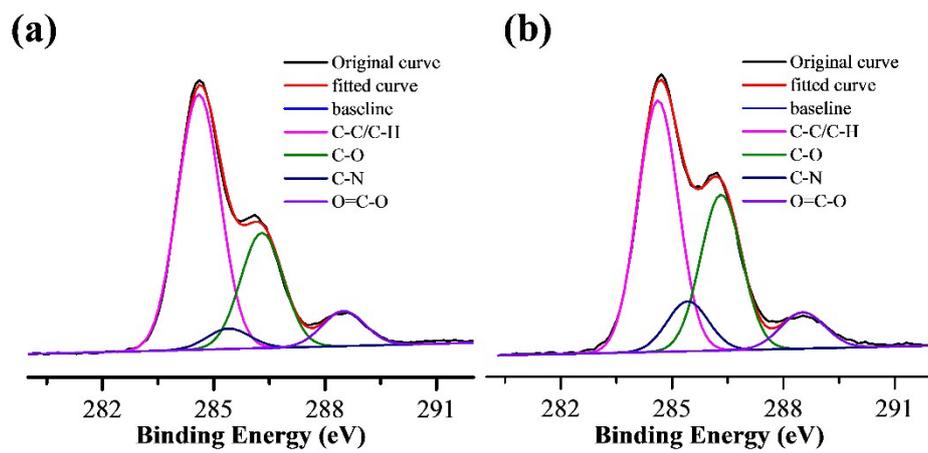


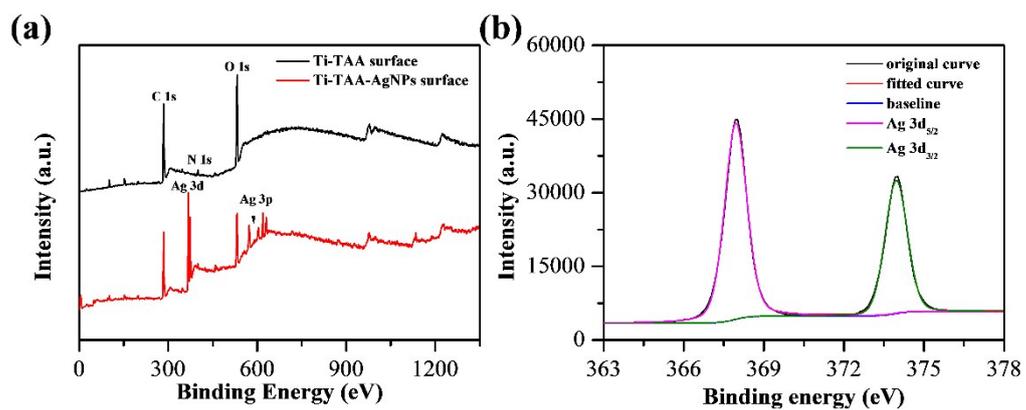
Figure S1. <sup>1</sup>H NMR spectrum of TAA in DMSO-d<sub>6</sub>.



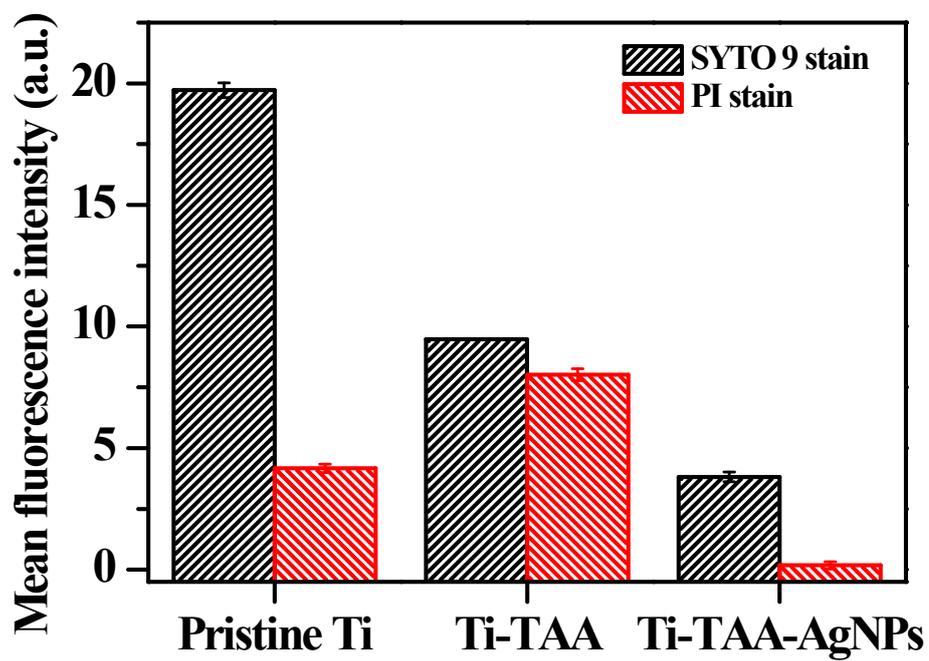
**Figure S2.** XPS wide-scan spectra of (a) TAA- and (b) TA-deposited Si wafers with different immersion time.



**Figure S3.** XPS C 1s core-level spectra of TAA and TAA-mPEG coatings.



**Figure S4.** (a) XPS wide-scan spectra of the Ti-TAA and Ti-TAA-AgNPs surfaces; (b) Ag 3d core-level spectrum of the Ti-TAA-AgNPs surface.



**Figure S5.** The mean green (SYTO 9 stain) and red (PI stain) fluorescence intensities on the CLSM images of the pristine Ti, Ti-TAA and Ti-TAA-AgNPs surfaces.