Photographs and thickness profiles of chitosan films prepared under different conditions.

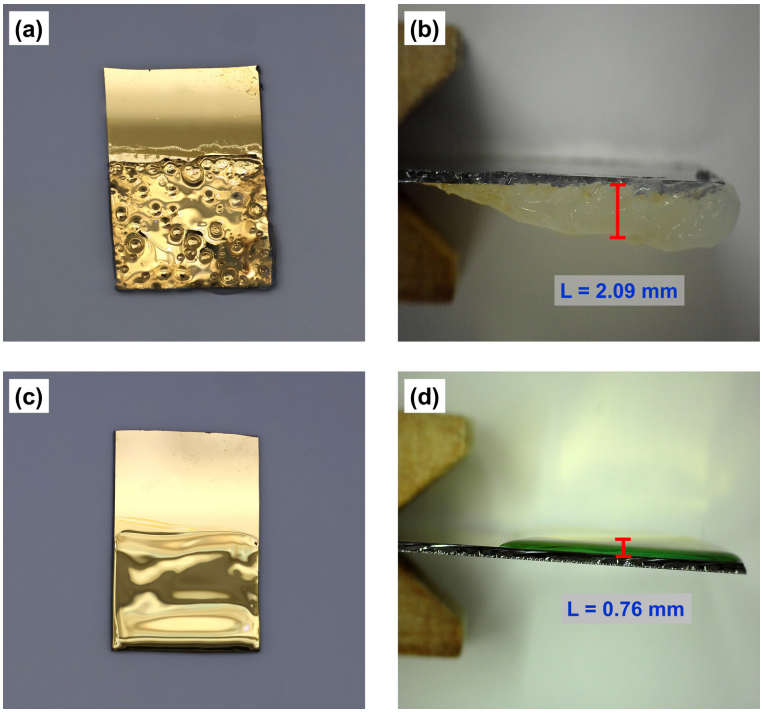

Fig. S1. Photographs of the Au electrode after cathodic electrodeposition (a, b) and Cu^{2+}-coordinated electrodeposition (c, d) from a 1.0 wt% chitosan solution.

Morphological and elemental analysis of SPGE before and after CSCu hydrogel formation.

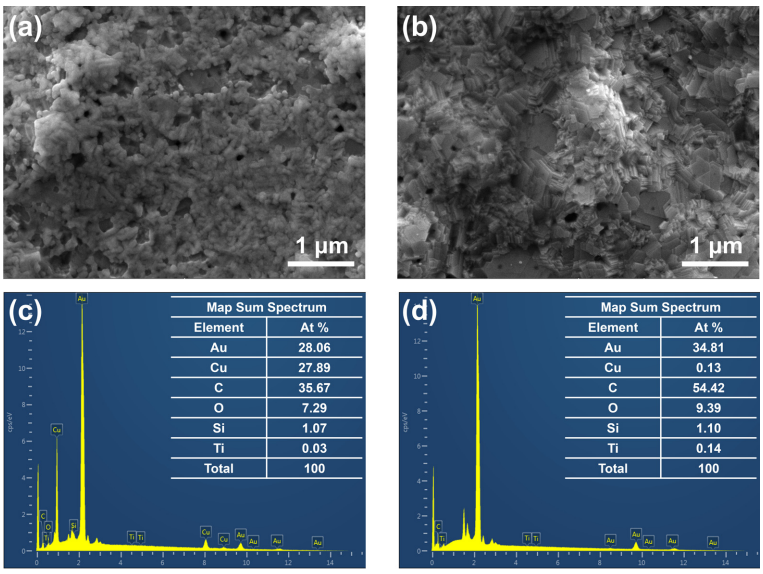

Fig. S2. SEM images of the SPGE before and after chitosan hydrogel formation: (a) Cu-deposited SPGE and (b) SPGE after chitosan hydrogel formation followed by removal of the hydrogel layer. (c, d) Corresponding EDS spectra of the samples shown in (a) and (b), respectively.