

**Table S1.** The transmittance and sheet resistance of the AgNW TCFs prepared using AgNWs solution with different concentration.

C (mg/mL)	T (%)	R <sub>s</sub> ( $\Omega$ sq <sup>-1</sup> )
50.0	73	6.5
25.0	81	14.7
16.7	85	19.6
12.5	87	25.3
10.0	88	32.4
9.2	91	34.6
8.3	93	81.3
6.25	97	630

C is the concentration of the AgNWs solution; T is the transmittance of the AgNW TCFs measured at 550 nm; R<sub>s</sub> is sheet resistance of the AgNW TCFs.