Enhanced light-induced transverse thermoelectric effect in tilted BiCuSeO film via the ultra-thin AuNPs layer (SUPPLEMENTARY MATERIAL)

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**Fig. S1.** The temperature dependence of *ab*-plane (a) resistivity ρab and (b) Seebeck coefficient Sab of BiCuSeO film.



**Fig. S2.** (a) SEM surface image of a 20 nm-thick AuNPs layer and (b) Voltage response of AuNPs(20 nm)/BiCuSeO to the 308 nm pulsed light irradiation. For comparison, data of bare BiCuSeO is also provided.