

Electronic Supplementary Information

**A high performance photothermal film
with spherical shell-type metallic nanocomposites
for solar thermoelectric conversion**

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Table S1. Resistance (R), open circuit voltage (V_o), maximum output power (P_{\max}), and maximum power density (P'_{\max}) of PTF-TE using AuNP-FB, AgNP-FB, single AuNP films, a reference film with no metallic NPs and with black body tape.

	AuNP-FB	AgNP-FB	Single AuNP	Reference (no metallic NPs)	Reference (black body)
R (Ω)	213	215	215	214	215
V_o (mV)	274	231	183	61	264
P_{\max} (mW)	0.088	0.062	0.039	0.004	0.081
P'_{\max} (mW cm ⁻²)	1.04	0.73	0.46	0.05	0.96