Supplementary Information for

Thermo-Electrochemical Cells Based on Carbon Nanotube Electrodes by Electrophoretic Deposition

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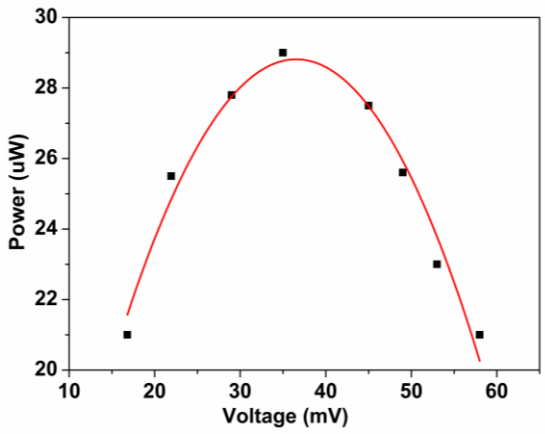

Fig. S1 Power versus Voltage between the two test electrodes. The distance between electrodes was 5 cm, the temperature difference was 50 ℃.

Table S1 Comparison of the performances of TECs based on MWNTs electrodes

Electrodes	j_{sc} (A m^{-2})	P_{max} （W m^{-2}）	η_r （%）	References
MWNTs	45.2	0.82	0.9	this paper
MWNTs	85	1.8	1.4	Ref. 1

Note: The TEC performances from this work were not better than the results reported by Hu et al., mainly due to the higher thermal resistance

Reference

[1] R.C. Hu, B.A. Cola, N. Haram, J.N. Barisci, S. Lee et al., harvesting waste thermal energy using a carbon-nanotube-based thermo-electrochemical cell. Nano Lett. **10**(3), 838-846 (2010). doi:10.1021/nl903267n