Electronic Supplementary Material (ESI) for Sustainable Energy & Fuels.

Electronic Supplementary Information

Harvesting Thermal Energy via Tube-based Triboelectric Nanogenerators within an Oscillating Heat Pipe

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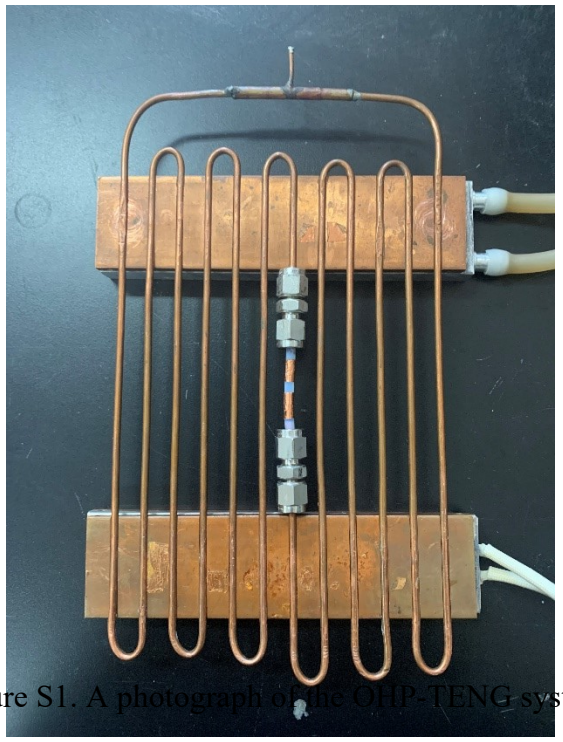

Figure S1. A photograph of the OHP-TENG system.

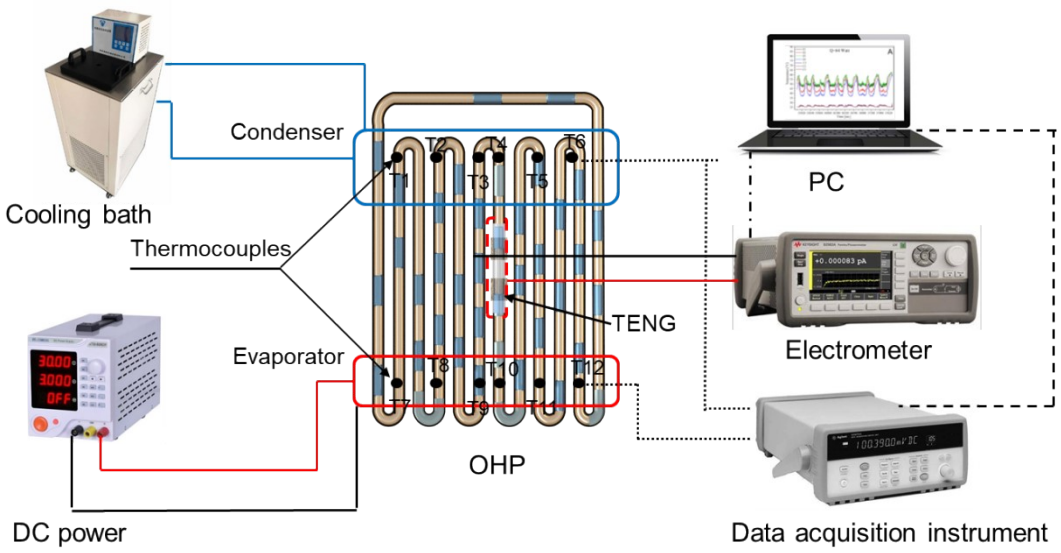

Figure S2. Experimental setup for measuring the performance of the TENG-OHP.

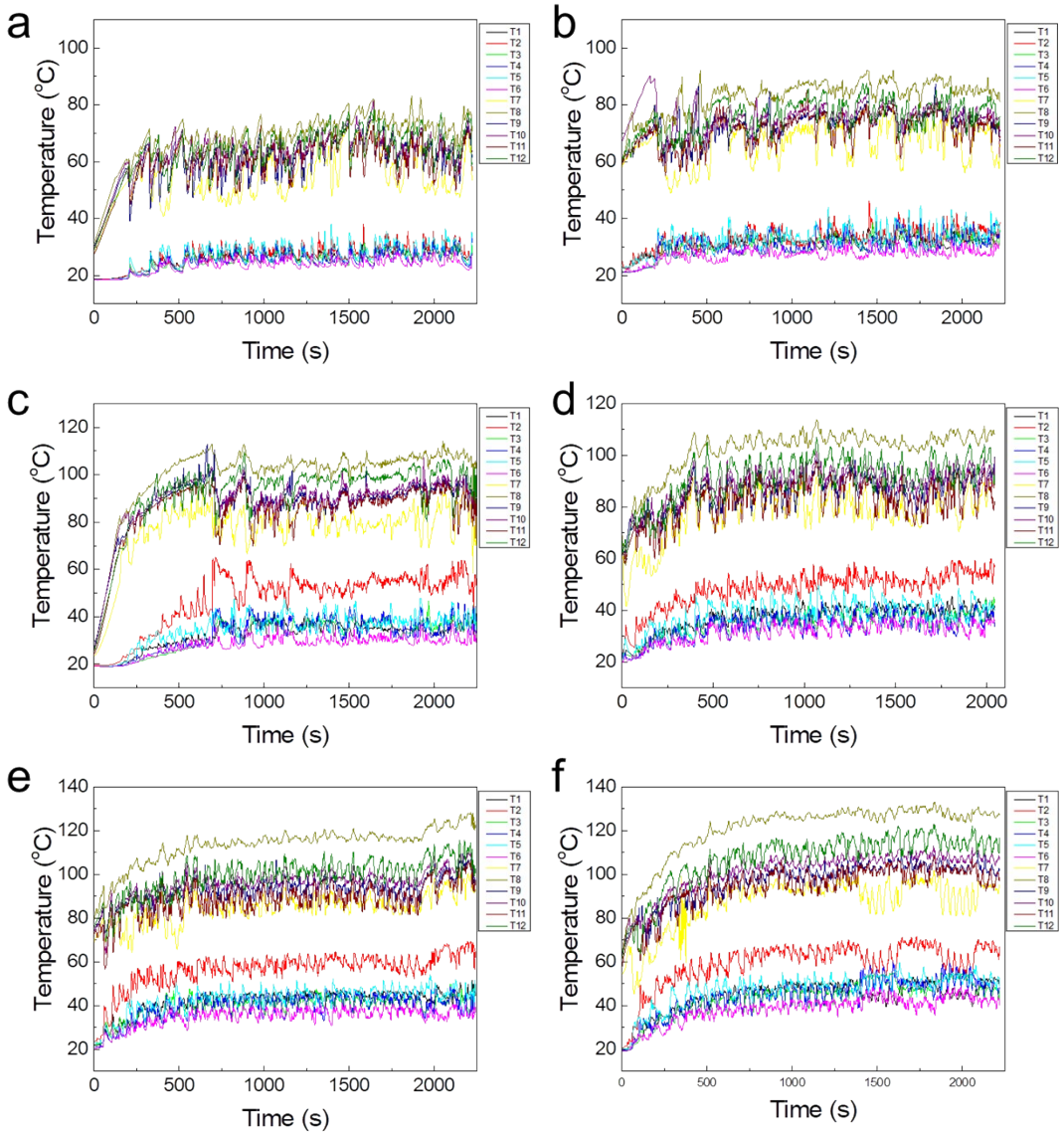

Figure S3. Temperature evolution of the OHP-TENG system at the heating power of (a) 40W, (b) 60W, (c) 80W, (d) 100W(e) 120W and (f) 140W.

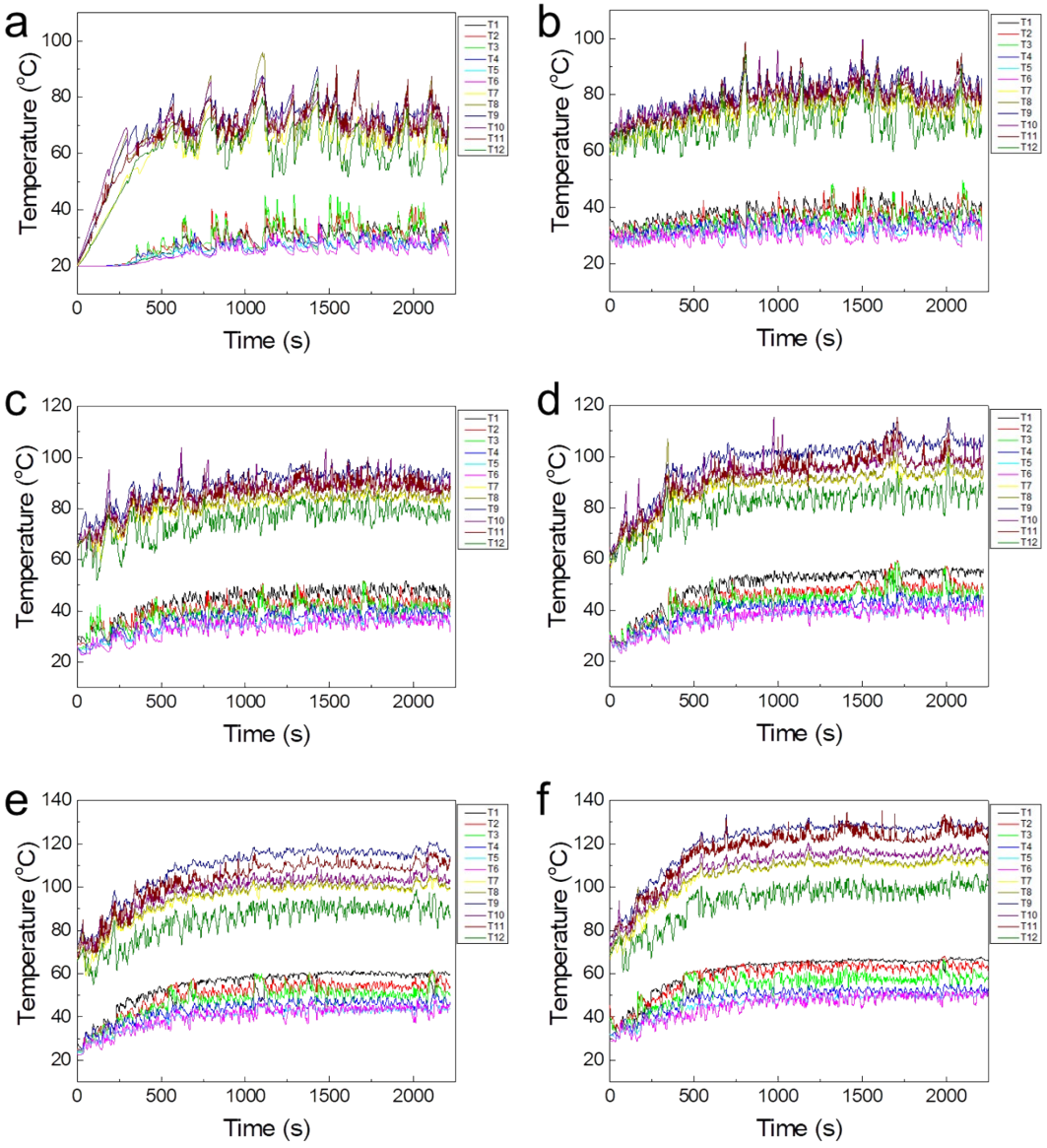

Figure S4. Temperature evolution of the OHP at the heating power of (a) 40W, (b) 60W, (c) 80W, (d) 100W(e) 120W and (f) 140W.

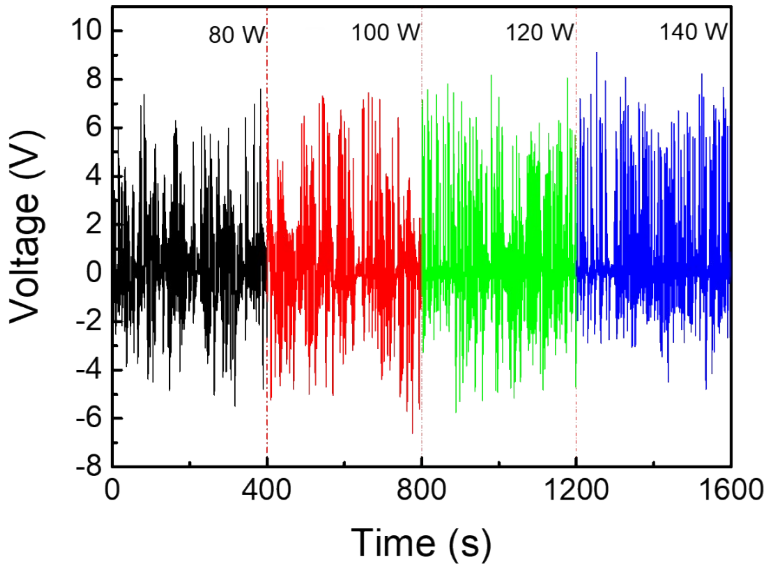

Figure S5. Output voltages of the TENG-OHP under different heating powers from 80 W to 140 W.