Electronic Supplementary Information

Highly Oriented $BaTiO_3$ Film Self-assembled by an Interfacial Strategy and Its Application on Flexible Piezoelectric Generator for Wind Energy Harvesting

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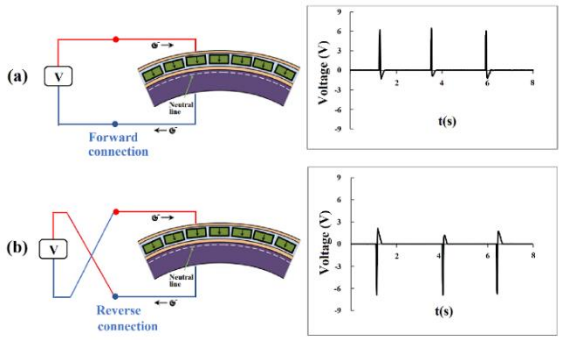

Figure S1. Switching evaluation of open-circuit voltage from PG in the forward (a) and reverse (b) connections, indicating that the output signals are based on piezoelectric response.

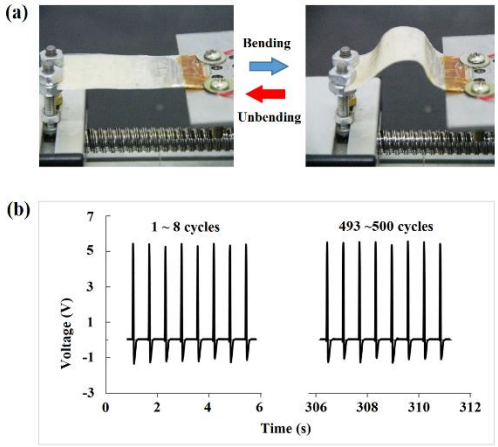

Figure S2. (a) Optical images of PG device in its bending and release states, the PG device is well packaged and

fixed on the stage which is driven by linear motor. (b) The durability test results of the PG device.

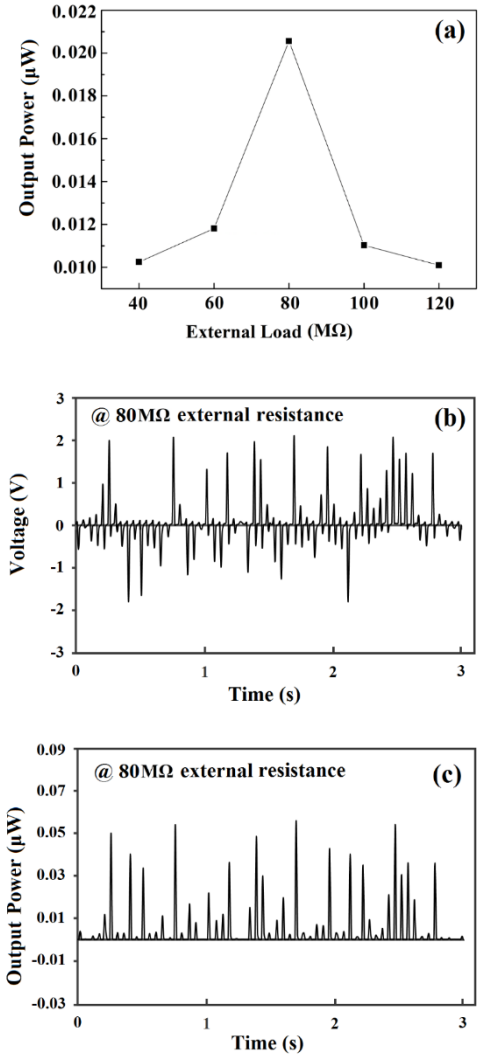

Figure S3. (a) The power delivered to the external load resistors versus the load resistance. (b) and (c) The instantaneous voltage and power at 80 MΩ external resistance, respectively.

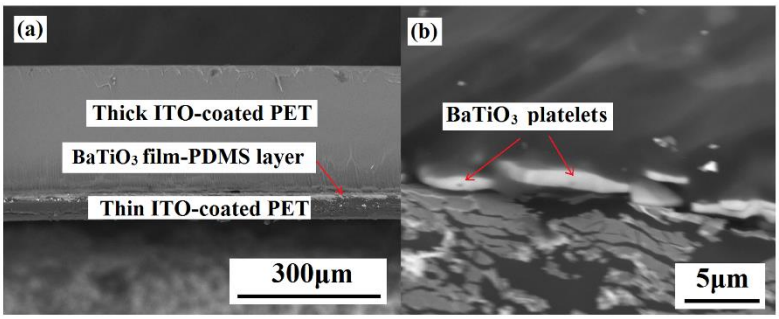

Figure S4. (a) Cross sectional SEM image of the self-assembled $BaTiO_3$ film based PG device. (b) A magnified cross-sectional SEM image of the PG device.