

Supplementary Information:

**Molecular Surface Functionalization to Enhance Power Output of
Triboelectric Nanogenerators**

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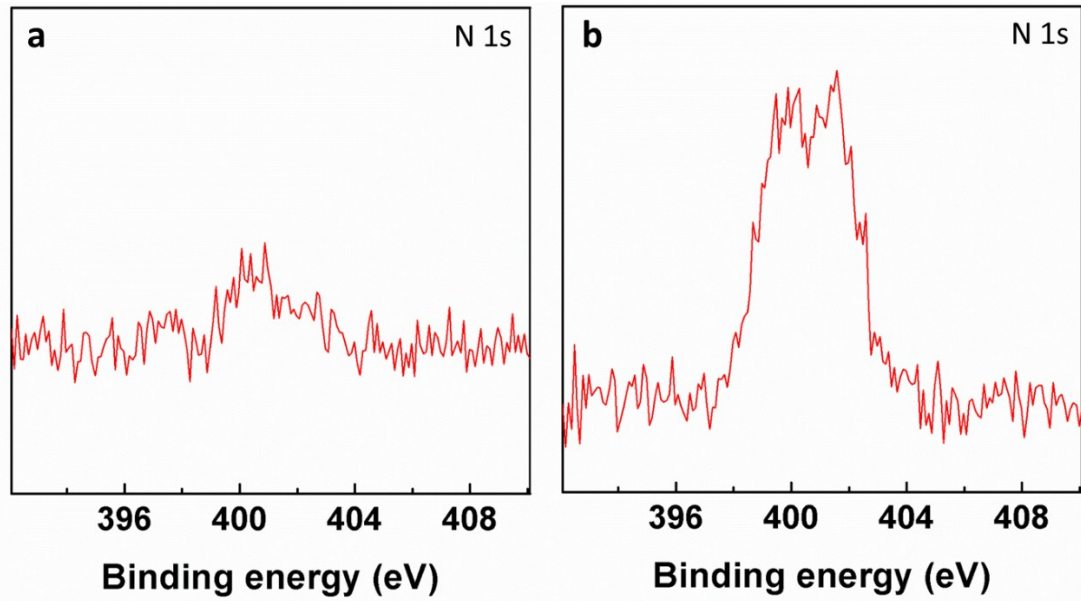


Figure S1. N 1s peaks of XPS spectra of (a) pristine silica and (b) functionalized silica by 10% APTES.

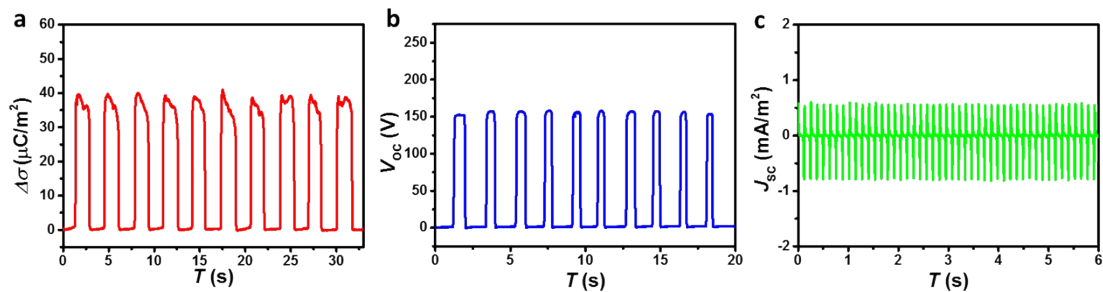


Figure S2. (a) Measured charge density, (b) the open-circuit voltage and (c) the short-circuit current density of the TENG with silica functionalized by 1% (in volume ratio) APTES, respectively.