Supporting Information

Sustainable lignin-based electrospun nanofibers for enhanced triboelectric nanogenerators

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Fig. S1. Photograph of the pure PVA film with high transparency.
**Fig. S2.** Histogram of the nanofiber diameter distribution and curve of lognormal distribution of PN, PLN-3, PLN-5, and PLN-7.
Fig. S3. SEM images and related EDS elemental maps of (a) PN, (b) PLN-3, (c) PLN-5, and (d) PLN-7.
Fig. S4. The EDS of (a) PN, (b) PLN-3, (c) PLN-5, and (d) PLN-7.
Fig. 55. EDS component analysis of the element weight percentage of (a) PN, (b) PLN-3, (c) PLN-5, and (d) PLN-7.
**Fig. S6.** Application of the TENG in self-powered pressure sensing. (a) Scheme of the structure of the TENG. (b,c) Photos of pressing and releasing the TENG. (d) The output voltage of the TENG under pressing and releasing by finger touch.