

Supplementary Materials

Self-Powered Flow Rate Sensing via a Single-Electrode Flowing Liquid Based Triboelectric Nanogenerator

Duy-Linh Vu ¹, Quang-Tan Nguyen ², Pil-Seung Chung ^{1,3,*} and Kyoung-Kwan Ahn ^{2,*}

¹ Department of Nanoscience and Engineering, Inje University, 197 Inje-ro, Gimhae-si 50834, Gyeongsangnamdo, Republic of Korea; vuduylinhbk@gmail.com

² School of Mechanical Engineering, University of Ulsan, 93 Daehak-ro, Nam-gu, Ulsan 44610, Republic of Korea; pax.quangtan@gmail.com

³ Department of Energy Engineering, Inje University, 197 Inje-ro, Gimhae-si 50834, Gyeongsangnamdo, Republic of Korea

* Correspondence: pschung01@inje.ac.kr (P.-S.C.); kkahn@ulsan.ac.kr (K.-K.A.)

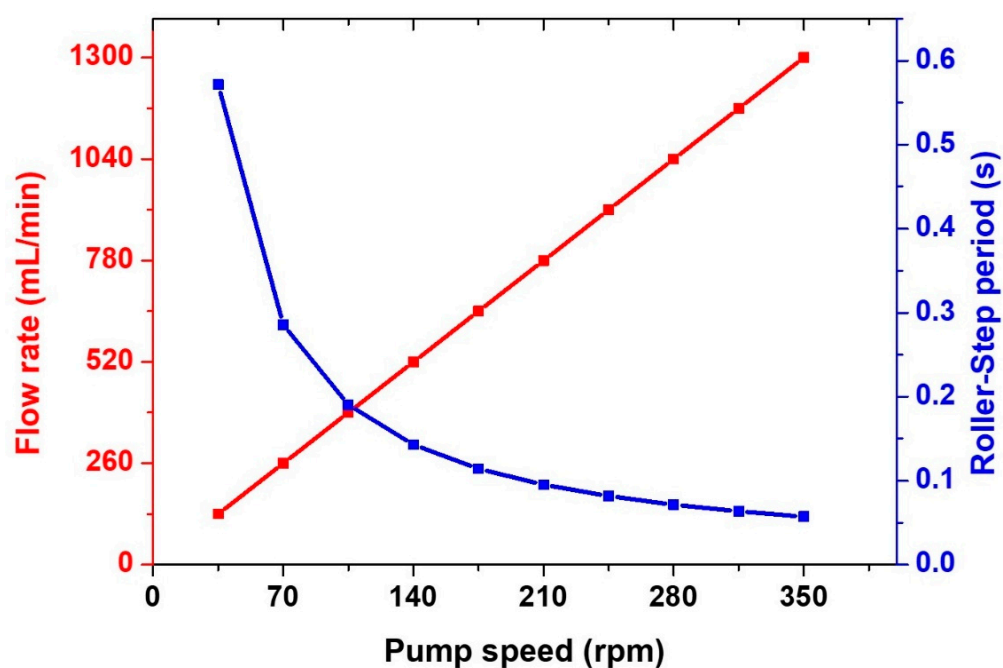


Figure S1. Characteristics of the peristaltic pump with 8 mm-cell FL-TENG.

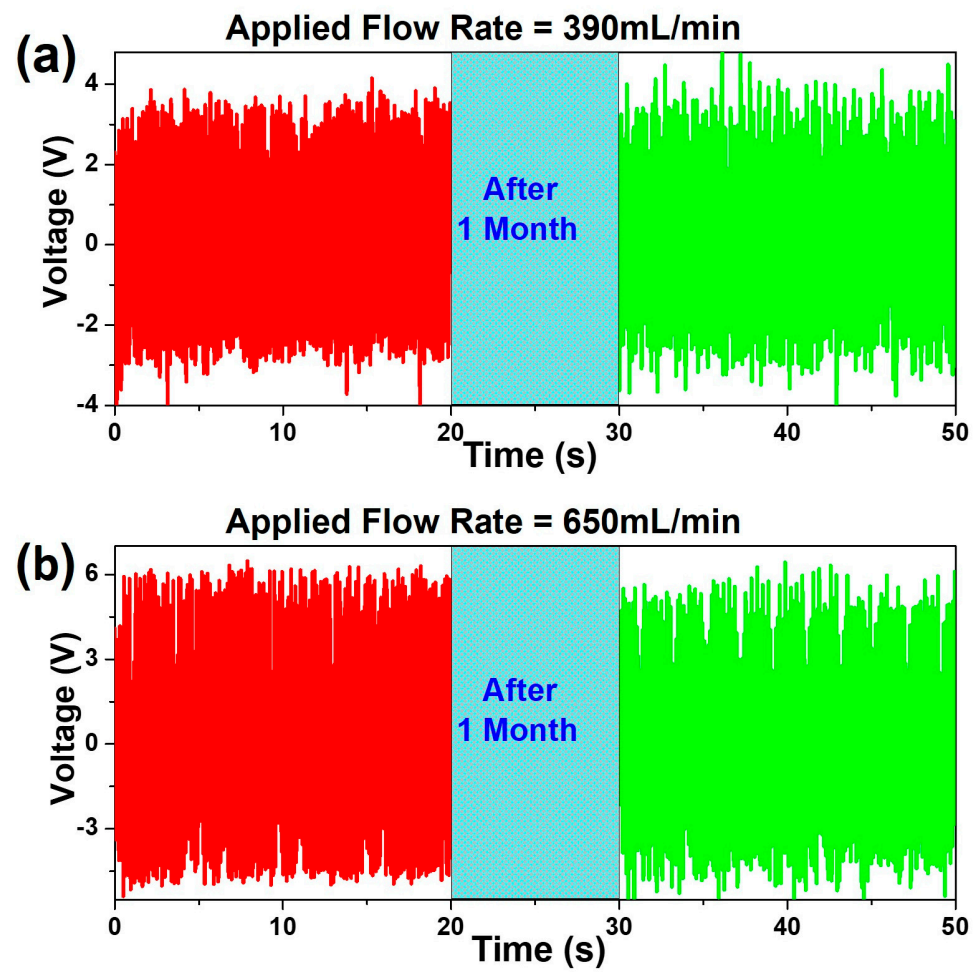


Figure S2. Stability and durability of the FL-TENG: output voltage measured at (a) 390 and (b) 650 mL/min of the FL-TENG at two moments one month apart.