

Supplementary Materials for

# **Flexible Wet-Spun PEDOT:PSS Microfibers Integrating Thermal-Sensing and Joule Heating Functions for Smart Textiles**

**Yan Li <sup>1</sup>, Hongwei Hu <sup>2,\*</sup>, Teddy Salim <sup>3</sup>, Guanggui Cheng <sup>2,\*</sup>, Yeng Ming Lam <sup>3</sup> and  
Jianning Ding <sup>2,4</sup>**

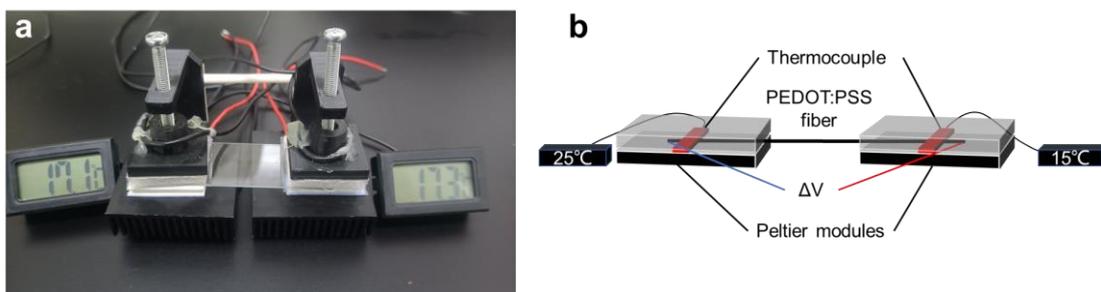
<sup>1</sup> School of Mechanical Engineering, Jiangsu University of Science and Technology, Zhenjiang, 212003, China; yanli@just.edu.cn

<sup>2</sup> Institute of Intelligent Flexible Mechatronics, School of Mechanical Engineering, Jiangsu University, Zhenjiang, 212013, China; hwhu@ujs.edu.cn, ggcheng@ujs.edu.cn

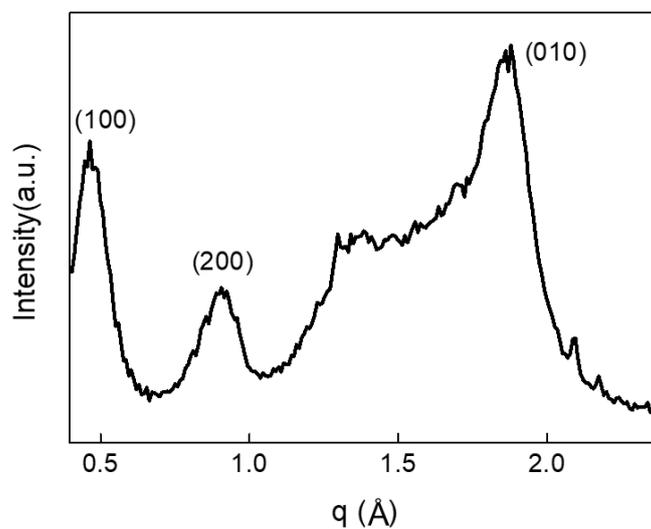
<sup>3</sup> School of Materials Science and Engineering, Nanyang Technological University, 50 Nanyang Avenue, 639798, Singapore; tsalim@ntu.edu.sg

<sup>4</sup> School of Mechanical Engineering, Yangzhou University, Yangzhou, 225009, China; dingjn@ujs.edu.cn

\* Correspondence: hwhu@ujs.edu.cn (H. H); ggcheng@ujs.edu.cn (G. C)



**Figure S1.** The homemade device used for measuring the Seebeck coefficient of PEDOT:PSS fibers: the photo of the setup (a) and its schematic diagram (b).



**Figure S2.** Plot of the integration of the scattering intensity in the horizontal direction in the WAXS image.