Electrical Supplementary Information for

Large-scale fabrication of highly aligned poly(m-phenylene isophthalamide) nanofibers with robust mechanical strength

Kun Chen,‡^a Shichao Zhang,‡^a Bowen Liu,^a Xue Mao,^a Gang Sun,^b Jianyong Yu,^b Salem S. Al-Deyab,^c and Bin Ding*^{ab}

^a State Key Laboratory for Modification of Chemical Fibers and Polymer Materials, College of Materials Science and Engineering, Donghua University, Shanghai 201620, China. E-mail: binding@dhu.edu.cn

^b Key Laboratory of Textile Science &Technology, College of Textiles, Donghua University, Shanghai 201620, China.

^c Petrochemical Research Chair, Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia.

‡ These authors have contributed equally to this work.

PMIA (wt%)	LiCl (wt%)	Viscosity (cps)	Conductivity (mS cm ⁻¹)	Surface tension (mN m ⁻¹)
7.5	2	458	3.80	36.67
10.0	2	1295	3.20	36.38
12.5	2	4033	2.69	36.12
15.0	2	9943	2.19	35.79

 Table S1 Compositions and properties of various electrospinning solutions.



Fig. S1 The alignment degree of PMIA nanofibrous membranes fabricated at RH of (a) 35%, (b) 45%, (c) 55%, and (d) 65%.



Fig. S2 TGA spectra of electrospun PMIA nanofibrous yarns.