

Supplementary Materials

Self Standing Mats of Blended Polyaniline Produced by Electrospinning

Antonio Fotia¹, Angela Malara^{2,3,*}, Emilia Paone^{2,3}, Lucio Bonaccorsi^{2,3}, Patrizia Frontera^{2,3}, Giulia Serrano^{3,4} and Andrea Caneschi^{3,4}

¹ Department of Information Engineering, Infrastructures and Sustainable Energy, Mediterranea University of Reggio Calabria, Via Graziella Loc Feo di Vito, 89134 Reggio Calabria, Italy; antonio.fotia@unirc.it

² Department of Civil, Energy, Environment and Material Engineering, Mediterranea University of Reggio Calabria, Via Graziella Loc Feo di Vito, 89134 Reggio Calabria, Italy; emilia.paone@unirc.it (E.P.); lucio.bonaccorsi@unirc.it (L.B.); patrizia.frontera@unirc.it (P.F.)

³ Consorzio Interuniversitario per la Scienza e la Tecnologia dei Materiali (INSTM), 50121 Firenze, Italy; giulia.serrano@unifi.it (G.S.); andrea.caneschi@unifi.it (A.C.)

⁴ Department of Industrial Engineering—DIEF, University of Florence, Via di S. Marta 3, 50139 Firenze, Italy

* Correspondence: angela.malara@unirc.it (A.M.)

List of Supplementary Information

Figure S1: Scheme of the experimental set-up.

Figure S2: Digital Images of electrospun mats PANI/PMMA (1:1) and PANI/PVAc (1:1).

Figure S3: Electrosprayed polyaniline PANI.

Figure S4: Effect of PANI concentration in the solution to electrospun SEM images of (a) PANI/PMMA (1:1), (b) PANI/PMMA (3:1).

Figure S5: Effect of molecular weight of PVAc co-polymer SEM images of (a) PANI/PVAc_{LMW} (1:1), (b) PANI/PVAc (2:1).

Figure S6: Equivalent circuit.

Figure S1

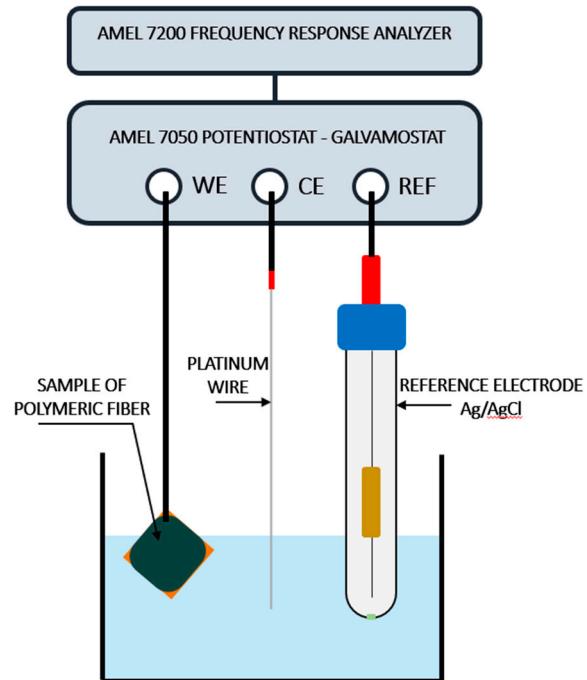


Figure S2

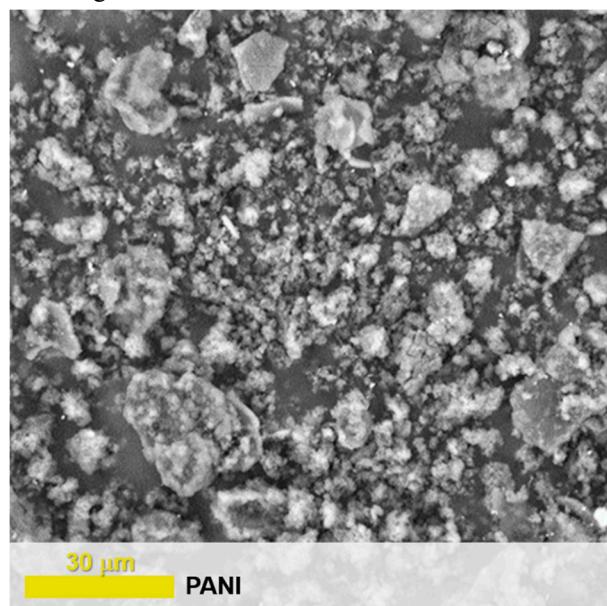


Figure S3

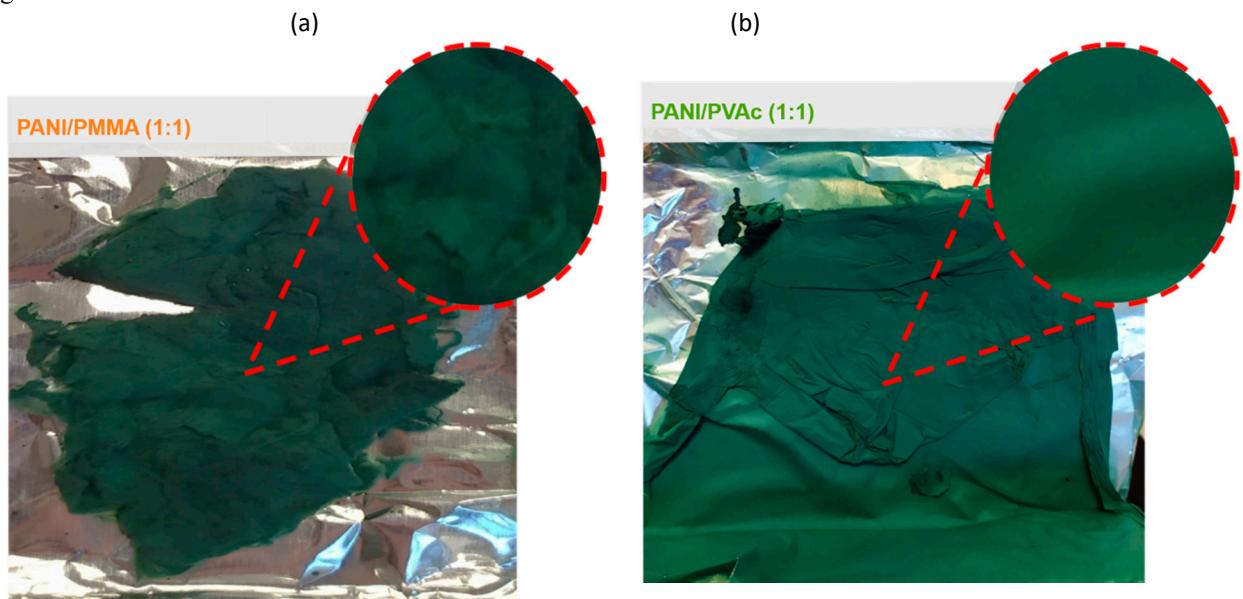
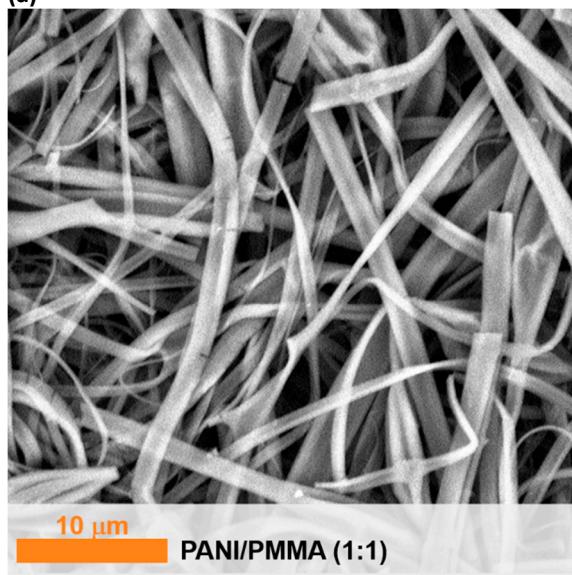


Figure S4

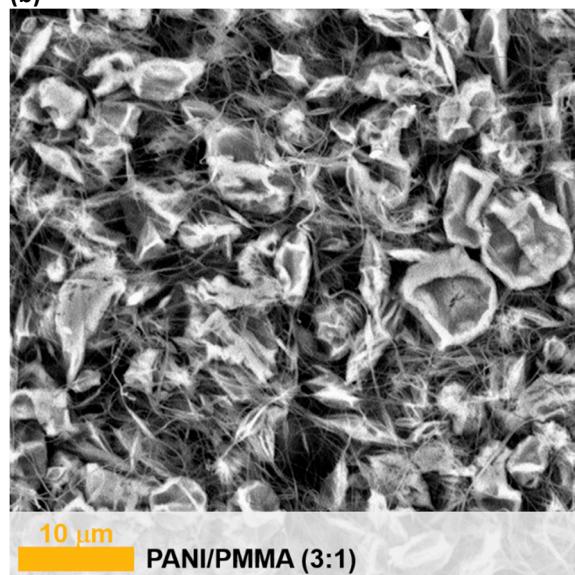
(a)



10 μm

PANI/PMMA (1:1)

(b)



10 μm

PANI/PMMA (3:1)

Figure S5

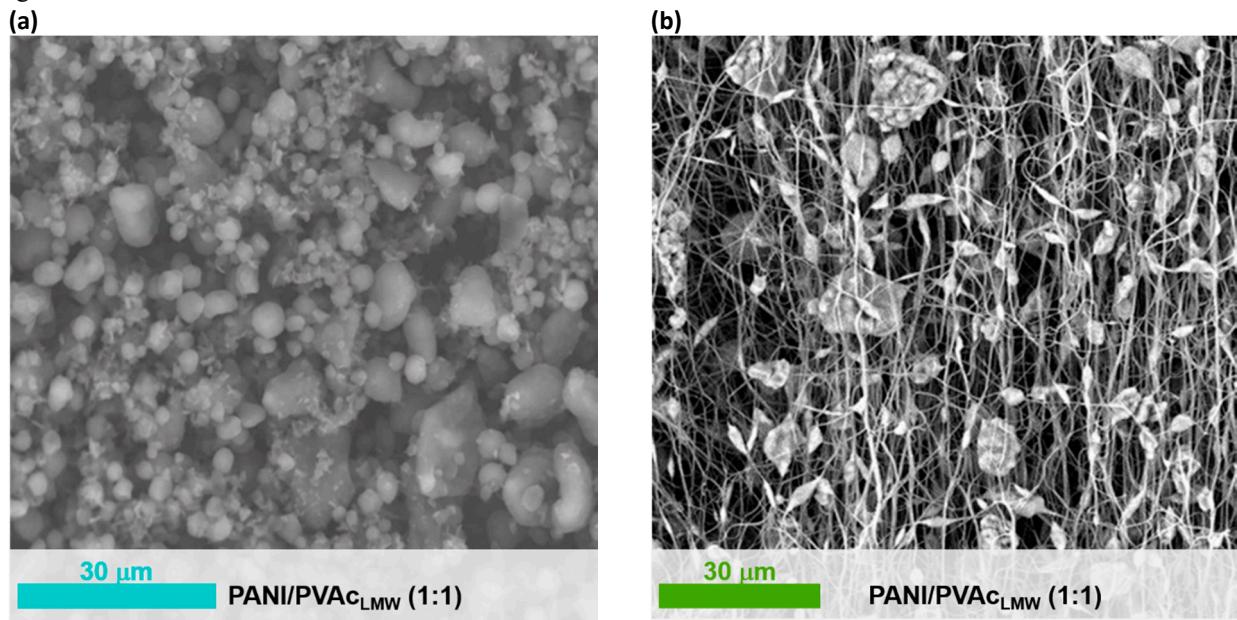


Figure S6

