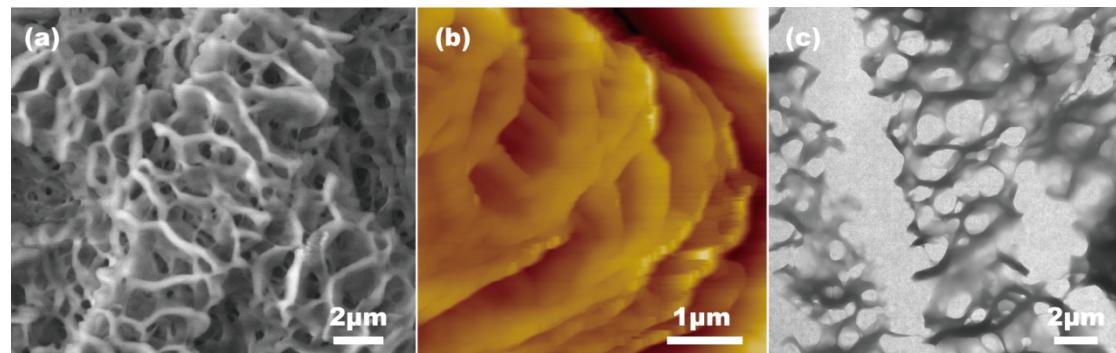


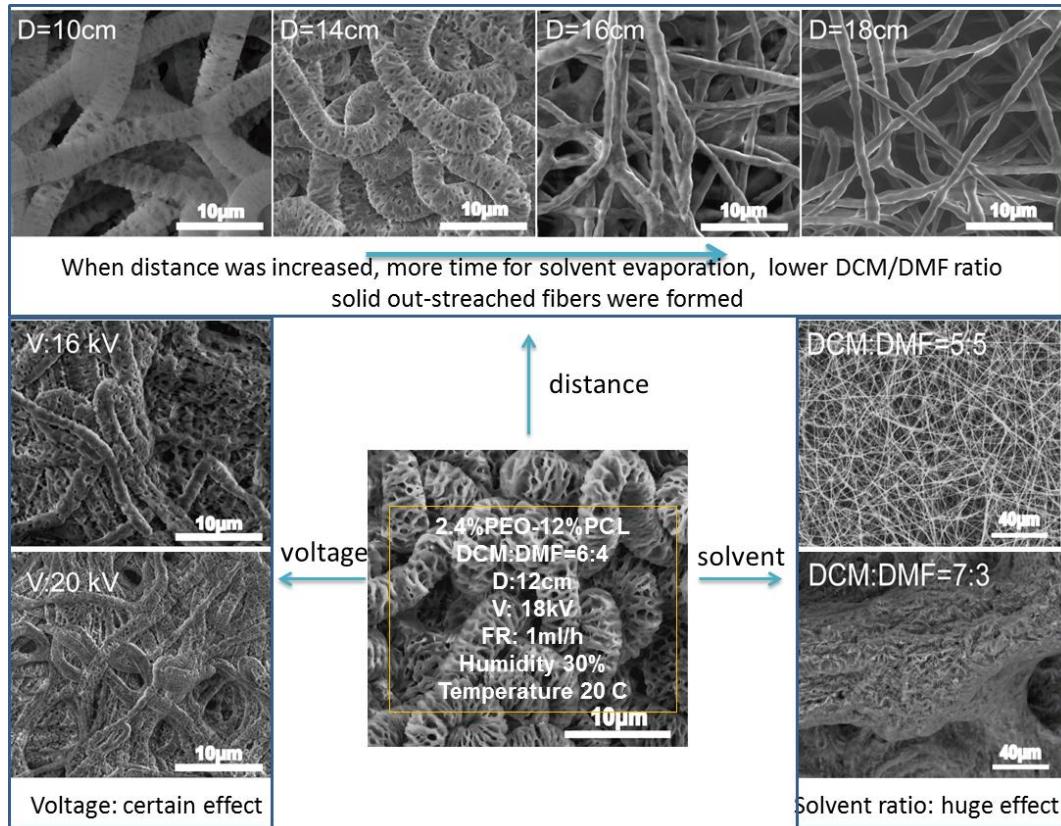
## Ultraporous Interweaving Electrospun Microfibers from PCL-PEO Binary Blends and their Inflammatory Responses

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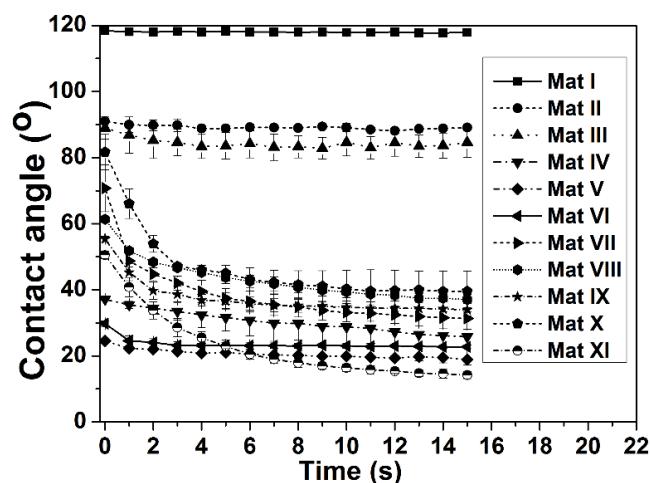
<sup>†</sup>Interdisciplinary Nanoscience Center (iNANO), Aarhus University, DK-8000 Aarhus C, Denmark, <sup>§</sup>Institute of Nanoscience and Nanotechnology, Central China Normal University, Wuhan 430079, China.



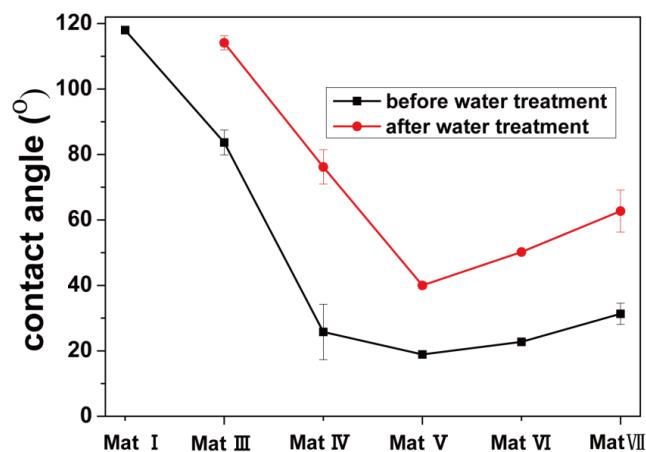
**Figure S1.** High resolution SEM image (a), AFM image (b), and TEM image of mat VI, PCL/PEO = 10%:3%.



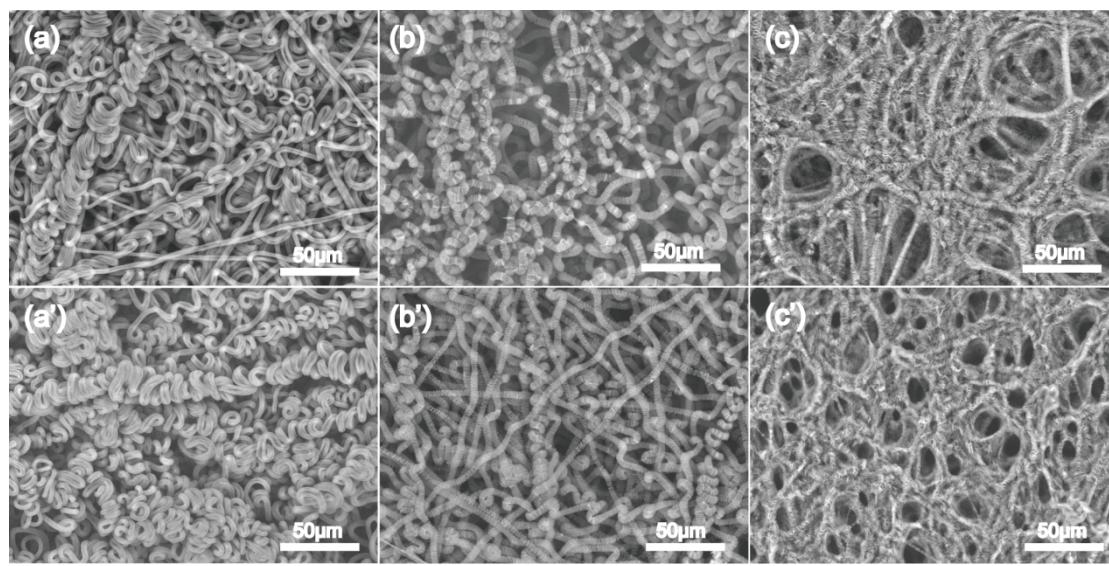
**Figure S2.** Morphology transformations of matV: PCL/PEO = 12%:2.4% by changing different electrospinning parameters and solvent ratio.



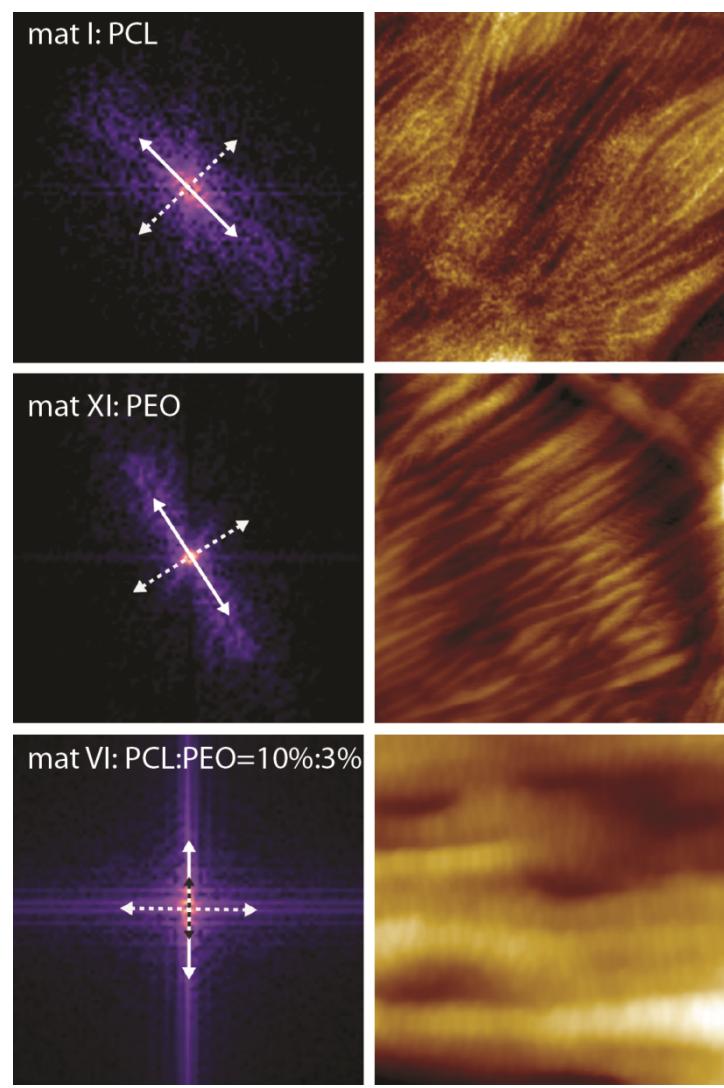
**Figure S3.** Time dependence of the water CAs for the PCL/PEO fibers. Mat I: PCL = 20%, mat II: PCL/PEO = 18%:0.6%, mat III: PCL/PEO = 16%:1.2%, mat IV: PCL/PEO = 14%:1.8%, mat V: PCL/PEO = 12%:2.4%, mat VI: PCL/PEO = 10%:3%, mat VII: PCL/PEO = 8%:3.6%, mat VIII: PCL/PEO = 6%:4.2%, mat IX: PCL/PEO 4%:4.8%, mat X: PCL/PEO = 2%:5.4%, mat XI: PEO = 6%.



**Figure S4.** Contact angles of PCL/PEO scaffolds before and after water treatment.



**Figure S5.** Morphologies of the fibers before and after water treatment: Top: (a) Mat III, (b) Mat V, and (c) Mat VII are the samples before water treatment; bottom: (a'), (b'), (c') are the samples after water treatment, respectively.



**Figure S6.** Flattened height images from **Figure 3** and corresponding FFT calculations. All images are 500x500 nm.