

Electronic Supporting Information

Promising properties of ALD boron nitride nanotube mat for water purification

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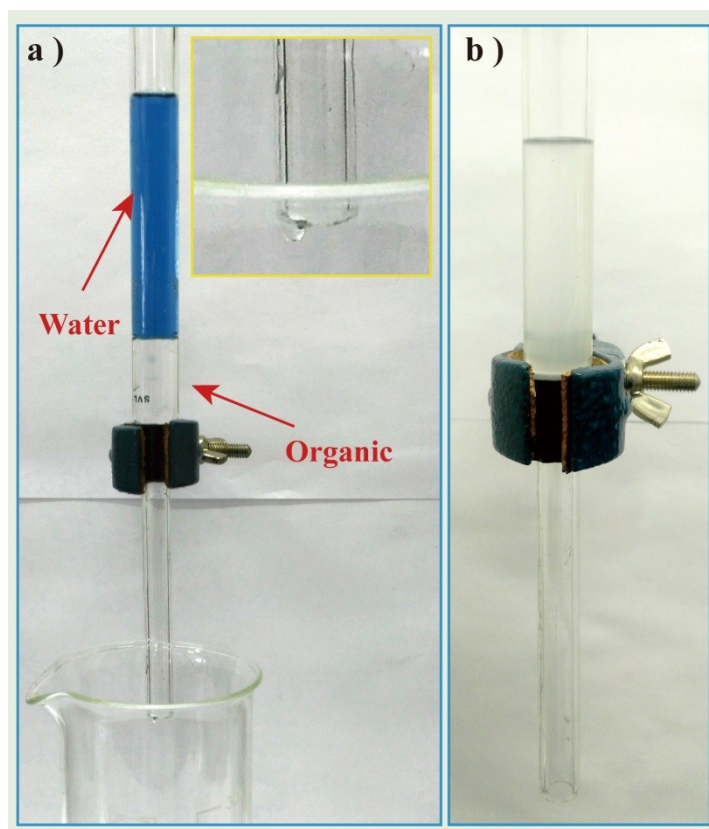


Figure S1. Photographs of the home-made filtration system used with a) biphasic solution and b) emulsion. The as-prepared unwoven BNNT fibers are supported between two large mesh metal grids.

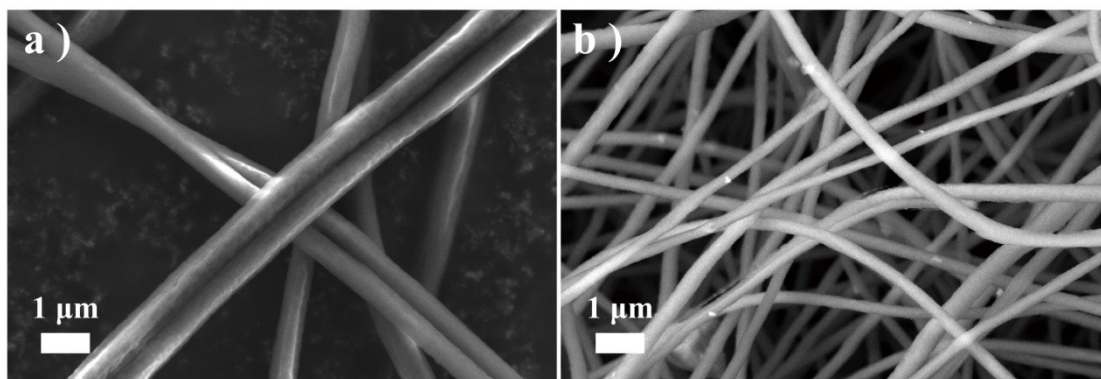


Figure S2. SEM images of the original PAN fibers with average diameter of a) 500 and b) 250 nm.

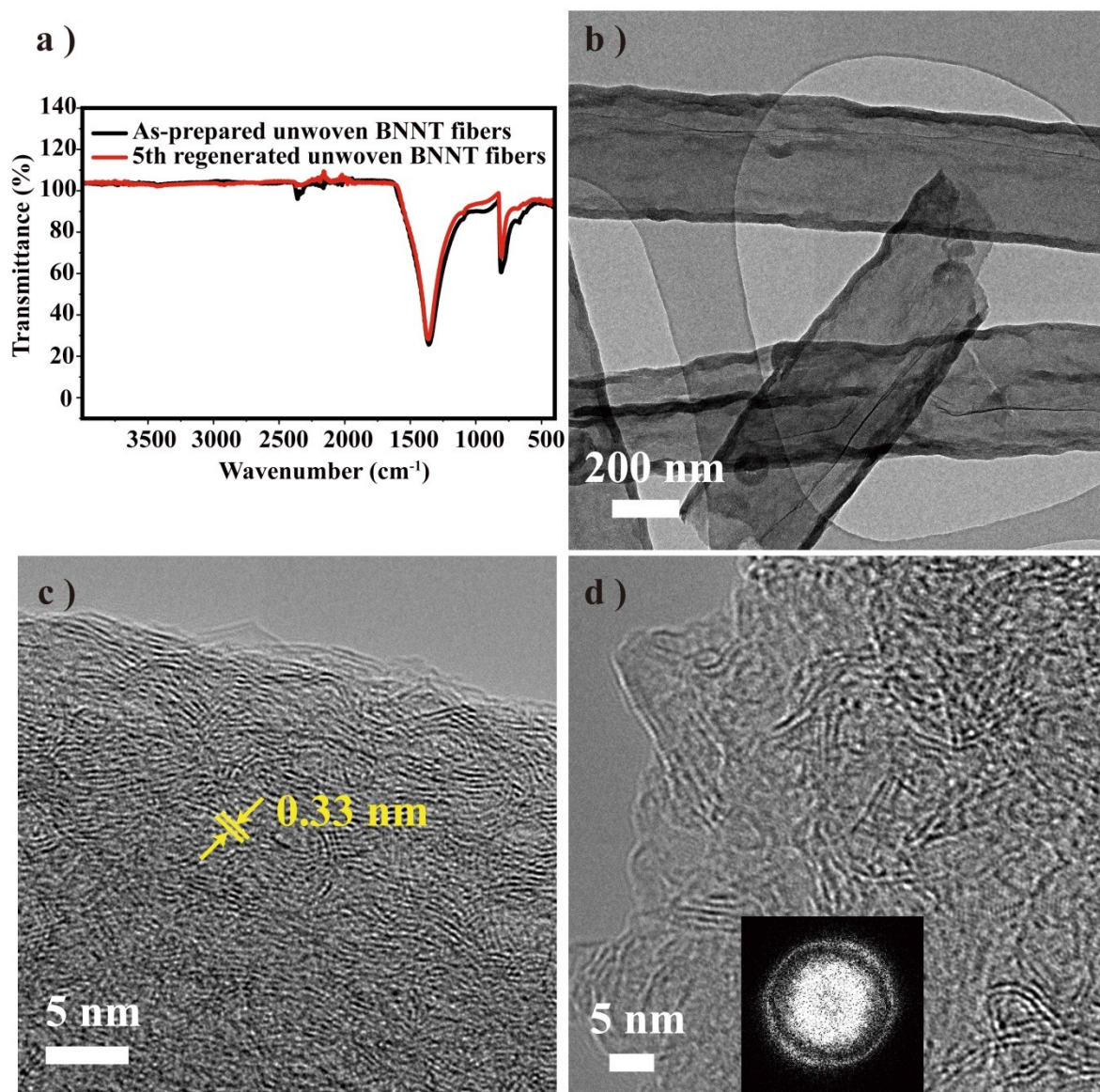


Figure S3. a) FTIR spectra recorded from freshly prepared (black) and five times regenerated unwoven (red) BNNT mat. b-d) TEM images of unwoven BNNTs after the 5th recovery: b) low magnification TEM image; high resolution TEM image c) of a tube wall and d) of one nanotube end with in inset the corresponding FFT image.