Electronic Supplementary Information

Title:
A simple UV-Ozone surface treatment to enhance photocatalytic performance of TiO$_2$ loaded polymer nanofiber membranes

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**Fig. S1.** Lower (a) and higher (b) magnification SEM image of 80 wt.% TiO$_2$/PAN nanofibers fabricated by electrospinning. The TiO$_2$/PAN blend solution was prepared by 12 hrs stirring only without ultrasonication. The agglomerates of TiO$_2$ indicates non-uniform dispersion of TiO$_2$ in PAN.
**Fig. S2.** UV-vis spectrums of the MB solution taken after 5, 10, 15, and 20 min of irradiation under UV in the presence of 25 wt.% TiO$_2$/PAN membrane