Electronic Supplementary Material (ESI) for Journal of Materials Chemistry
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# "Tube brush" like $ZnO/SiO_2$ hybrid to construct a flexible membrane with enhanced photocatalytic properties and recycling ability

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Electronic Supplementary Information

**Figure S1.** SEM images at (a) low and (b) high magnifications for ZnO nanorods grown on poorly seeded $SiO_2$ fibers.

**Figure S2.** (a) SEM image and (b) its EDX image of the Ag element for the Ag modified ZSH membrane.

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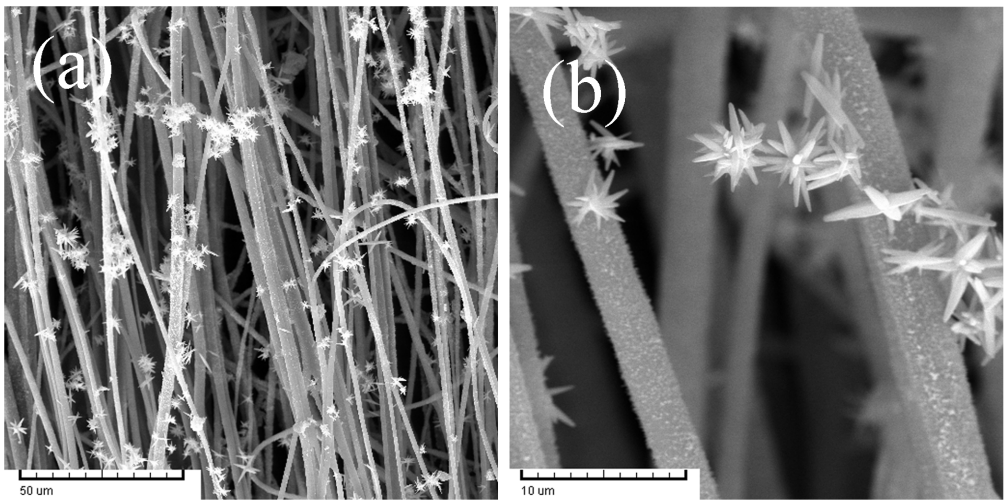


**Figure S1**

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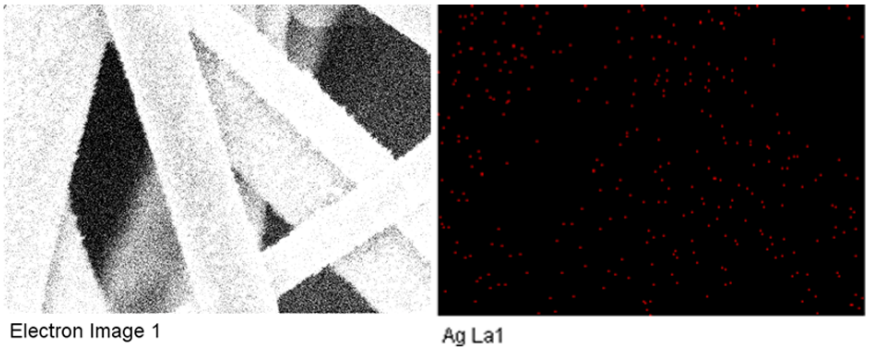


**Figure S2**