Electronic Supplementary Material (ESI) for Nanoscale.

Supporting Information

Fast curing assisted spay-coating method to fabricate robust core-shell structured evaporator with stable solar vapor generation performance

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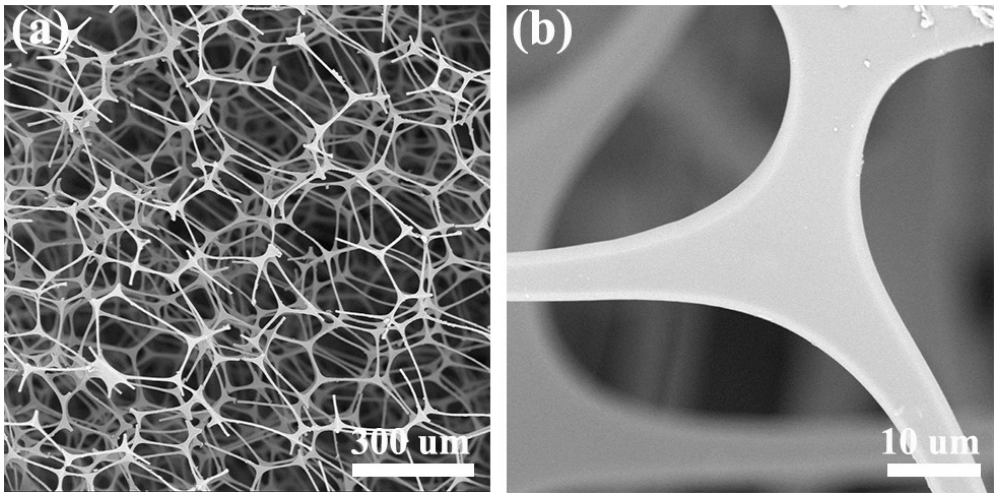

Fig. S1. (a, b) SEM images of the raw MF

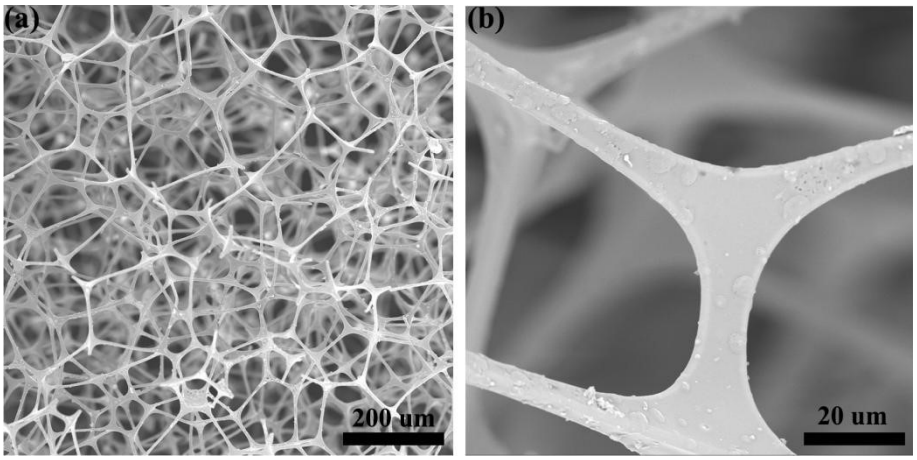

Fig. S2. (a, b) SEM images of the inner part of CB/MF evaporator.

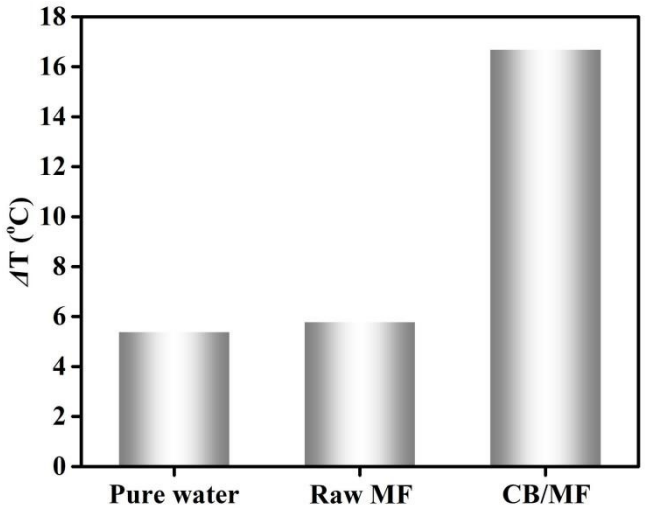

Fig. S3. (a) The heating value of the samples surface after 20 min of irradiation.

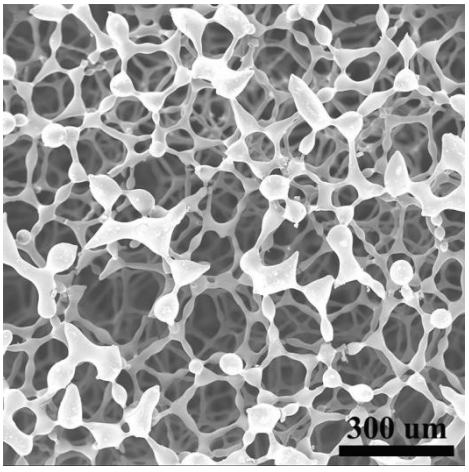

Fig. S4. SEM images of the external surface of CB/MF after 12 h of ultrasonic treatment.

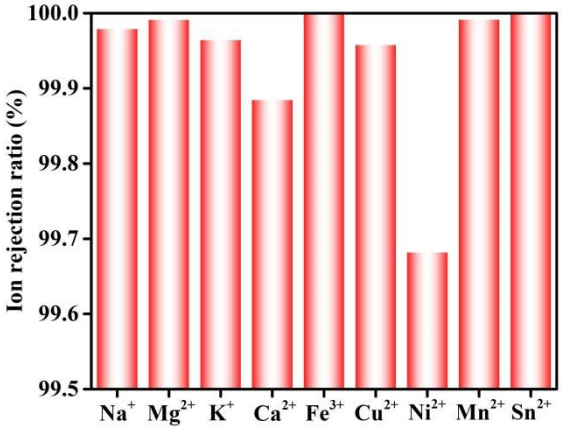

Fig. S5. The ion rejection ratio of simulated seawater and heavy metal wastewater.

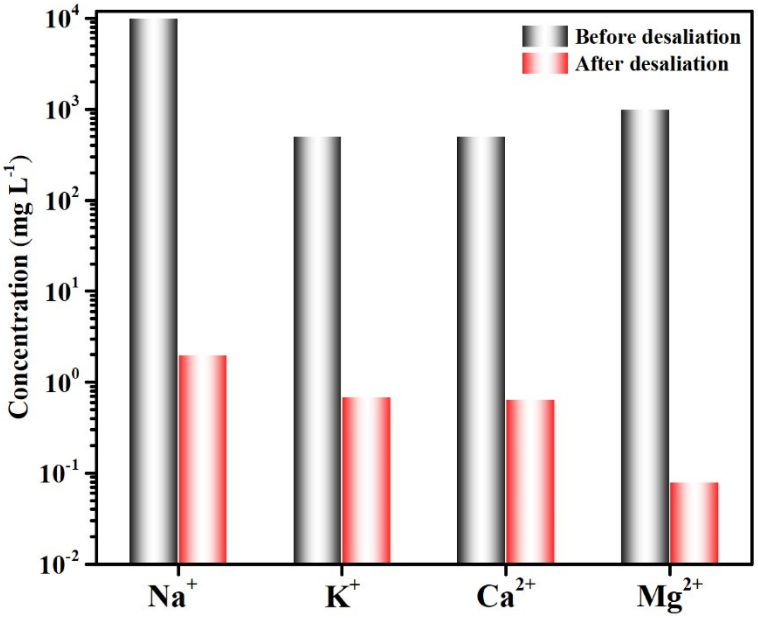

Fig. S6. Purification of simulated seawater in the outdoor environment.

Supplementary movie captions

Movie S1: This movie shows the wetting behavior of water on the surface of raw MF.

Movie S2: This movie shows the wetting behavior of water on the inner uncoated part of CB/MF.