

Electronic Supplementary Information for

Electrospun flexible self-standing γ -alumina fibrous membranes and their potential as high efficiency fine particulate filtration media

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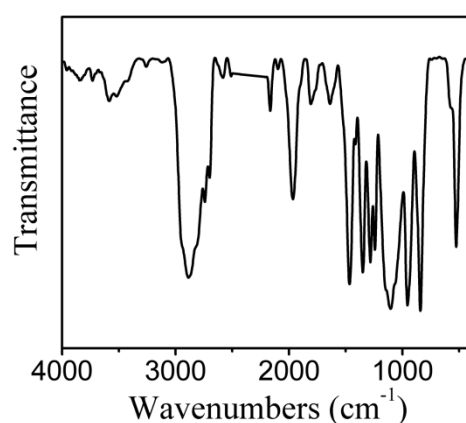


Fig. S1 IR spectrum of PEO.

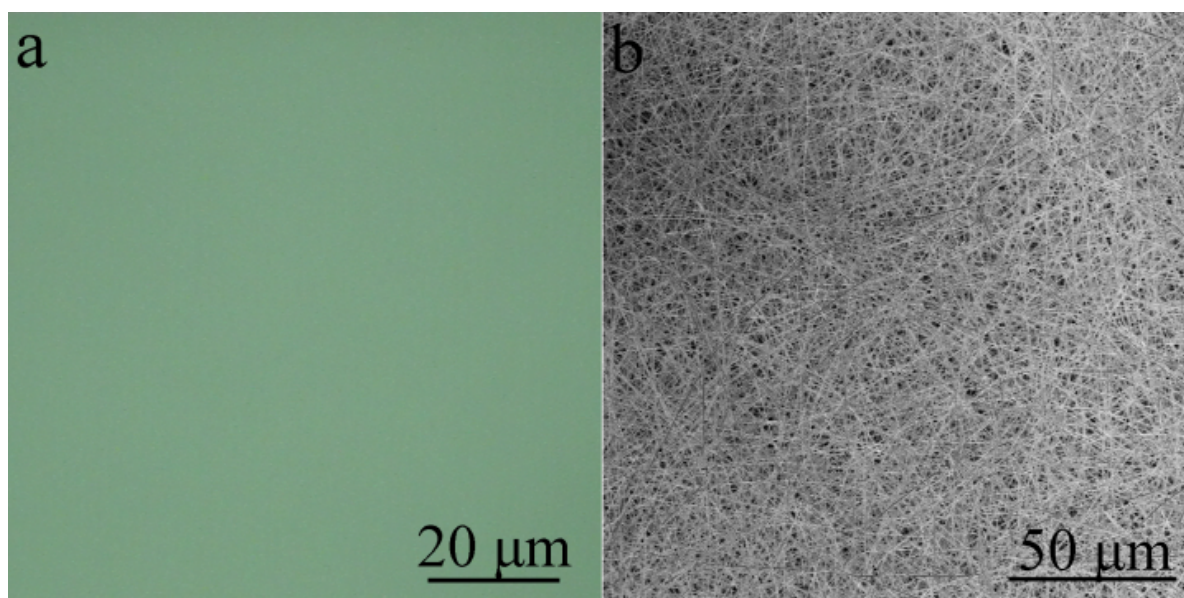


Fig. S2 Optical microscope image (a) and SEM image (b) of the xerogel fibrous membrane after crimping and folding several times.

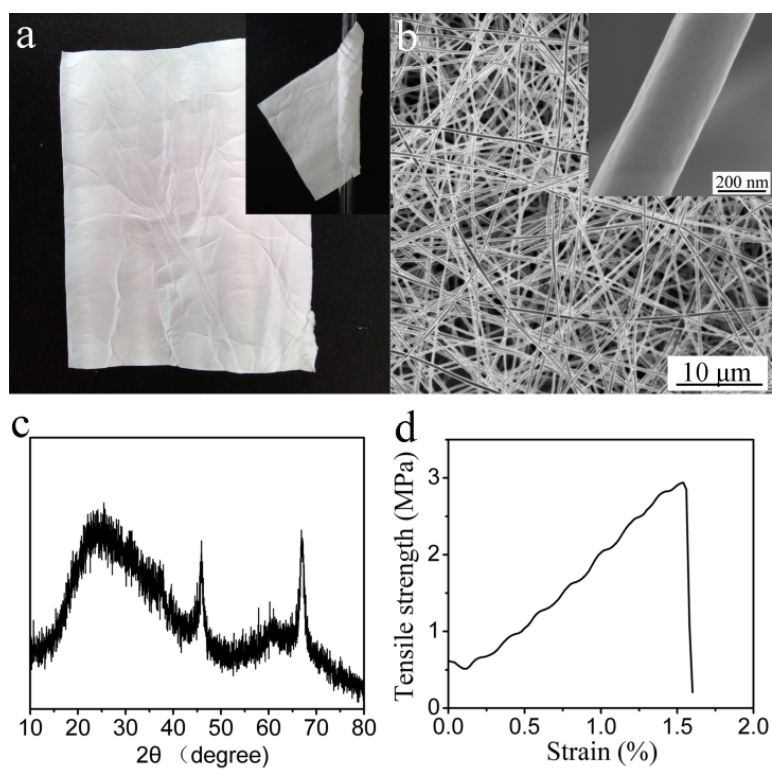


Fig. S3 Optical images (a), SEM images (b), XRD patterns (c) and tensile stress–strain curves (d) of the membranes that obtained at 700 °C and after kept for eight months.

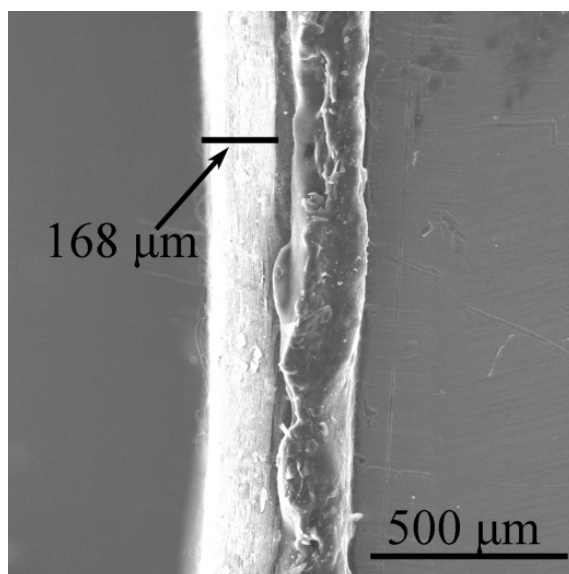


Fig. S4 Cross-sectional view of the membrane with a basis weight of 9.28 g m⁻², displaying the thickness of around 168 μm.