

Electronic Supplementary Information

Preparation and Application of Sunlight Absorbing Ultra-black Carbon Aerogel/Graphene Oxide Membrane for Solar Steam Generation Systems

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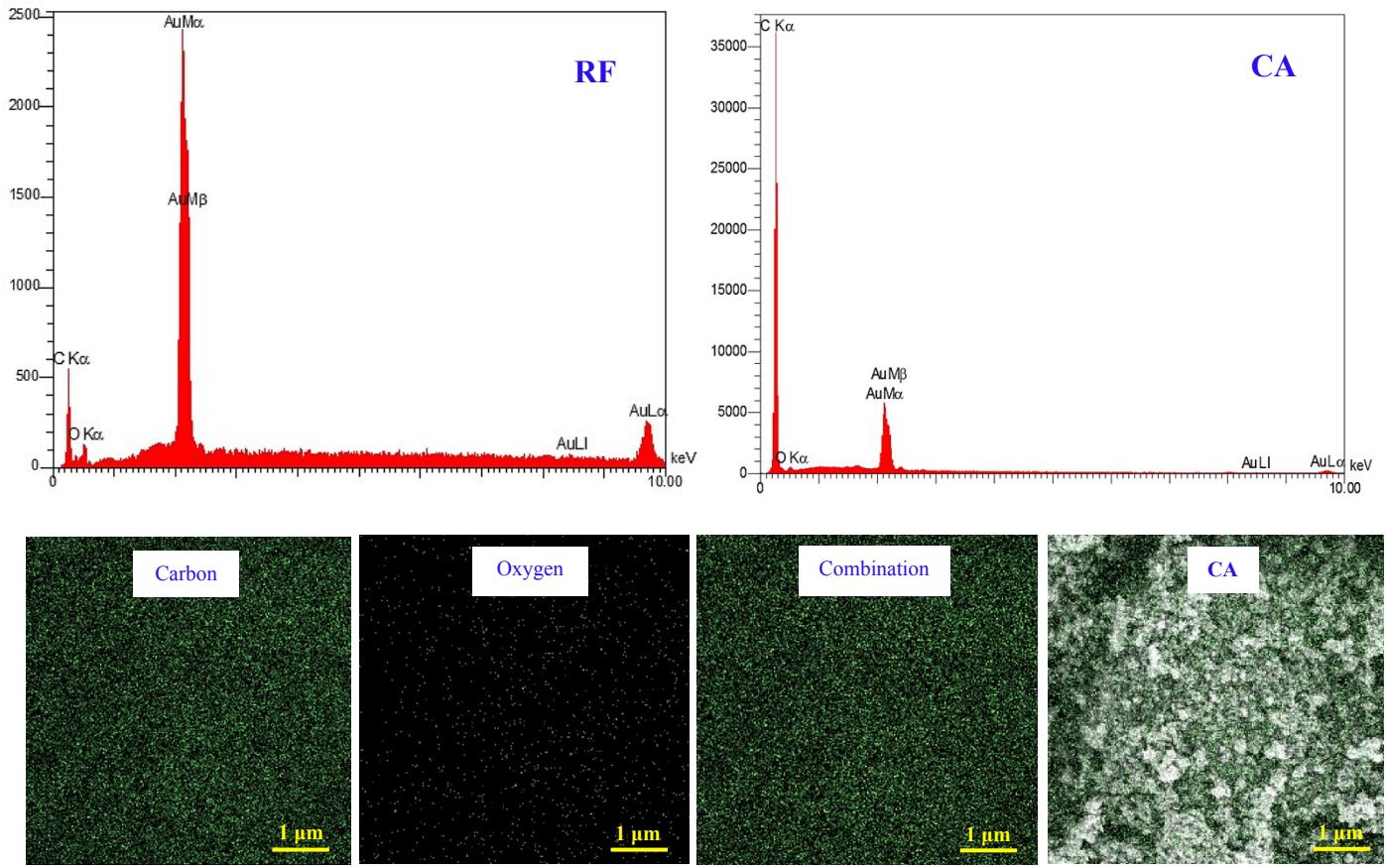


Fig. S1 EDS spectra of RF aerogel and CA powder and EDS mapping images of C and O elements for CA powder.

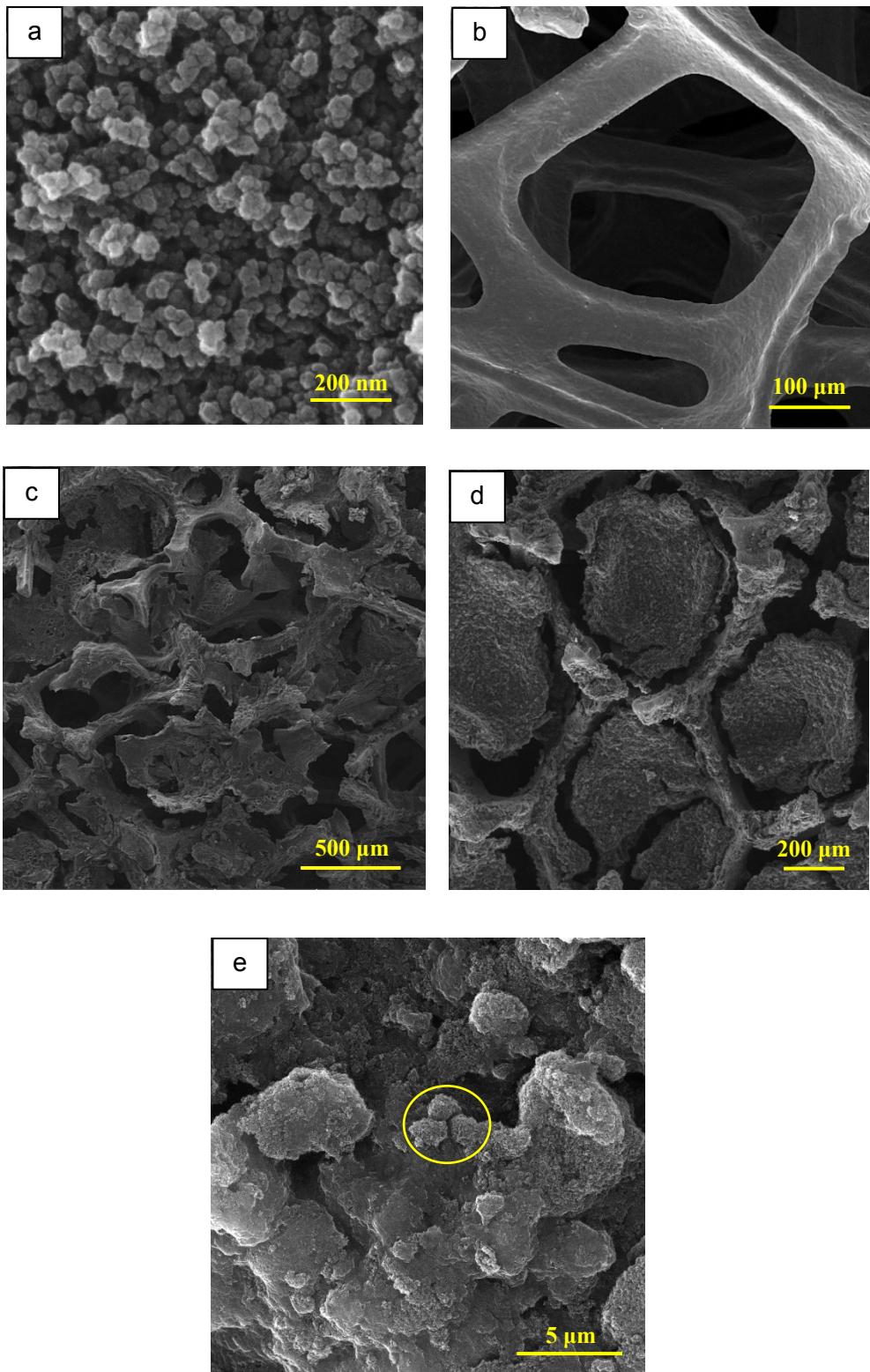


Fig. S2 SEM micrographs of a) CA powder, b) CF, c) MCF, d) CA3@MCF and e) CA3@Paper.

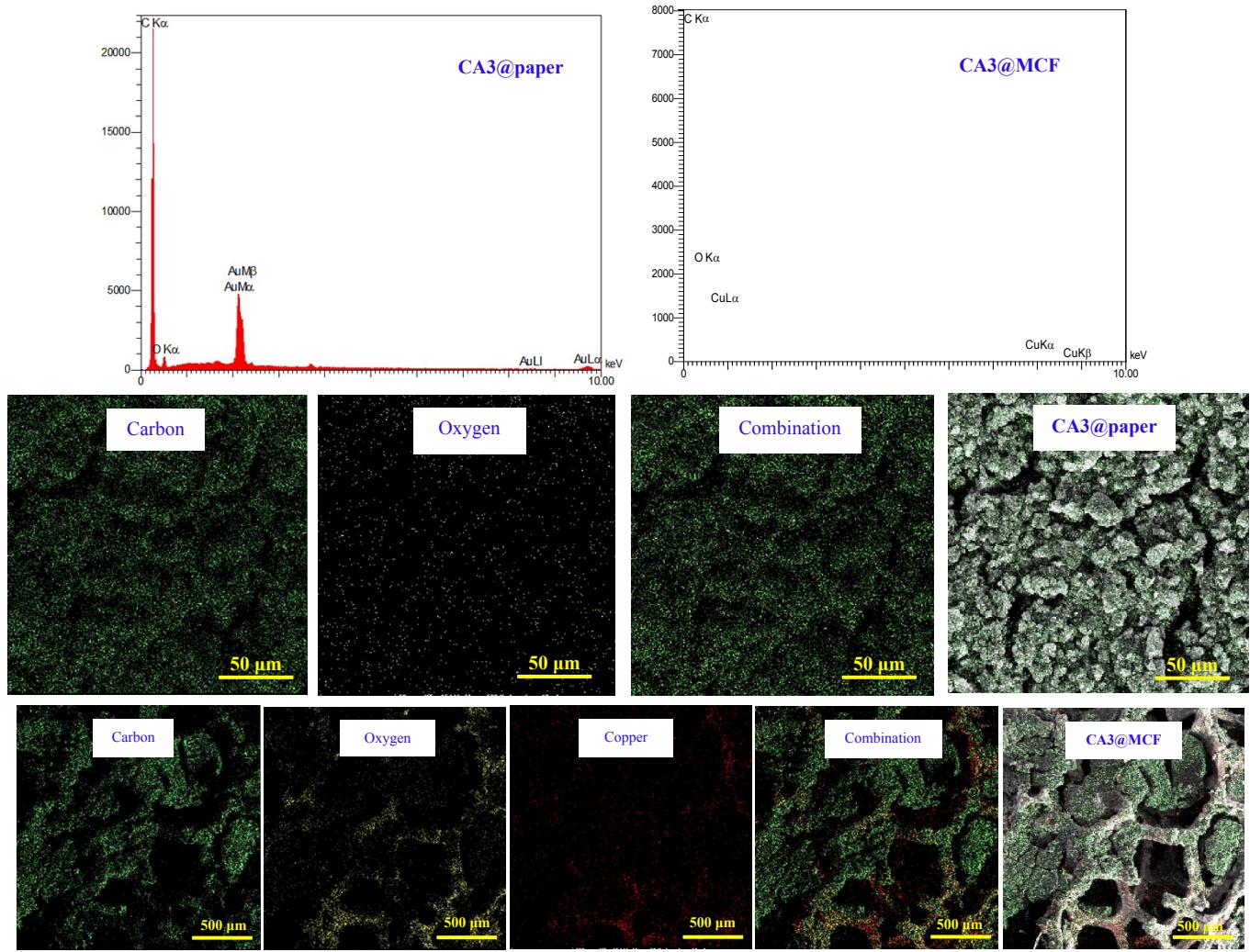


Fig. S3. EDS spectra and EDS mapping images of CA3@paper and CA3@MCF membranes.

Au peak is due to the coating of the samples prior to analysis.

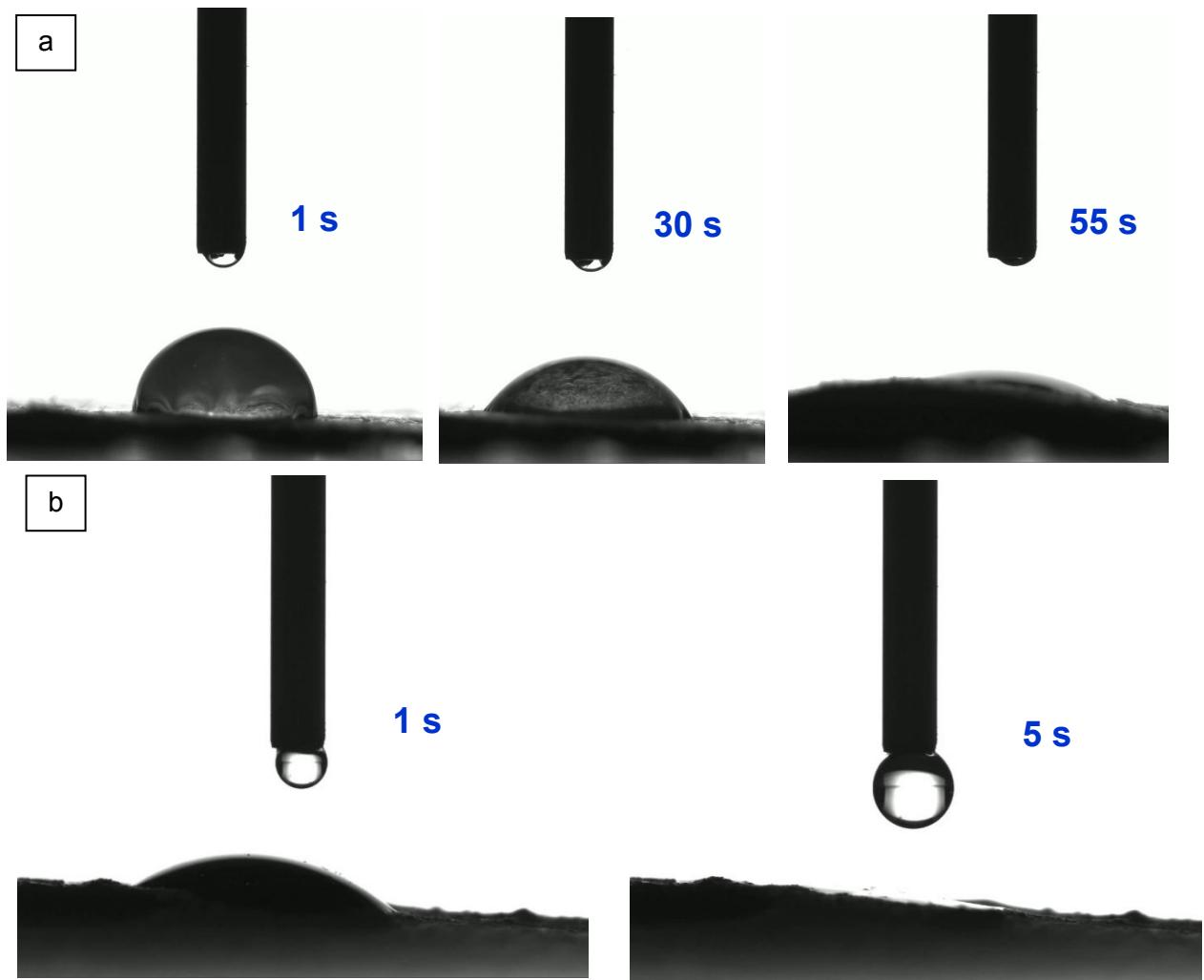


Fig. S4 The water contact angle of a) paper substrate and b) CA3@paper absorbent.