

Supporting information

Cellulose-based Hydrophobic Carbon Aerogels as Versatile and Superior Adsorbents for Sewage Treatment

Haiyan Wang, Yutong Gong, Yong Wang*

Carbon Nano Materials Group, Center for Chemistry of High-Performance and Novel
Materials, Department of Chemistry, Zhejiang University, Hangzhou 310028, P. R.
China

*Corresponding author. E-mail: chemwy@zju.edu.cn

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Figure S1: TEM images of the cellulose aerogel and carbon aerogel

Figure S2: N₂ adsorption/desorption isotherms of the cellulose aerogel and carbon aerogel (a), and Pore size distributions of the cellulose aerogel and carbon aerogel (b).

Figure S3: The volumes of meso and micropores in cellulose aerogel and carbon aerogel.

Figure S4: The morphologies of the carbon aerogel before and after burning

Figure S5: The SEM images of the carbon aerogel before and after burning

Movie 1: The video of the toluene adsorption with the carbon aerogel

Movie 2: The video of the Rose Bengal adsorption with the carbon aerogel

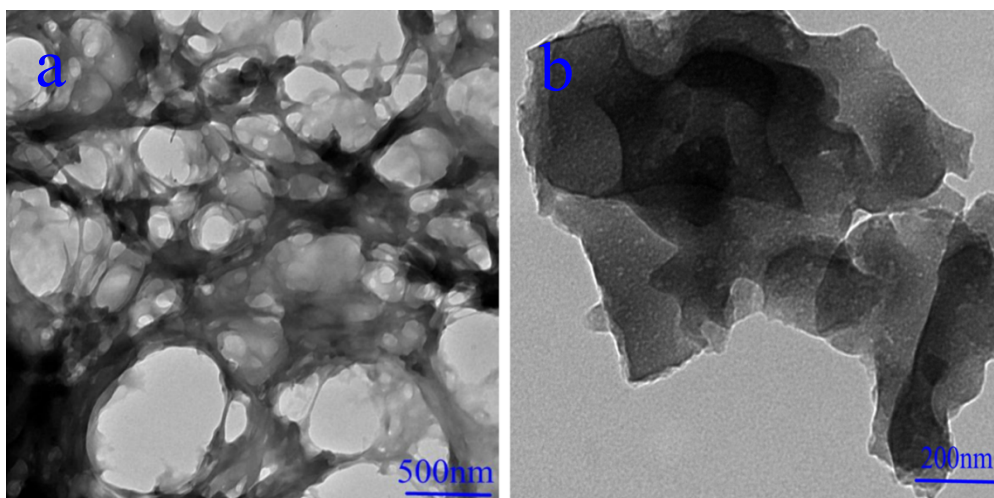


Figure S1. TEM images of the cellulose aerogel (a) after freeze-drying, and the carbon aerogel (b) after carbonization of the corresponding cellulose aerogel.

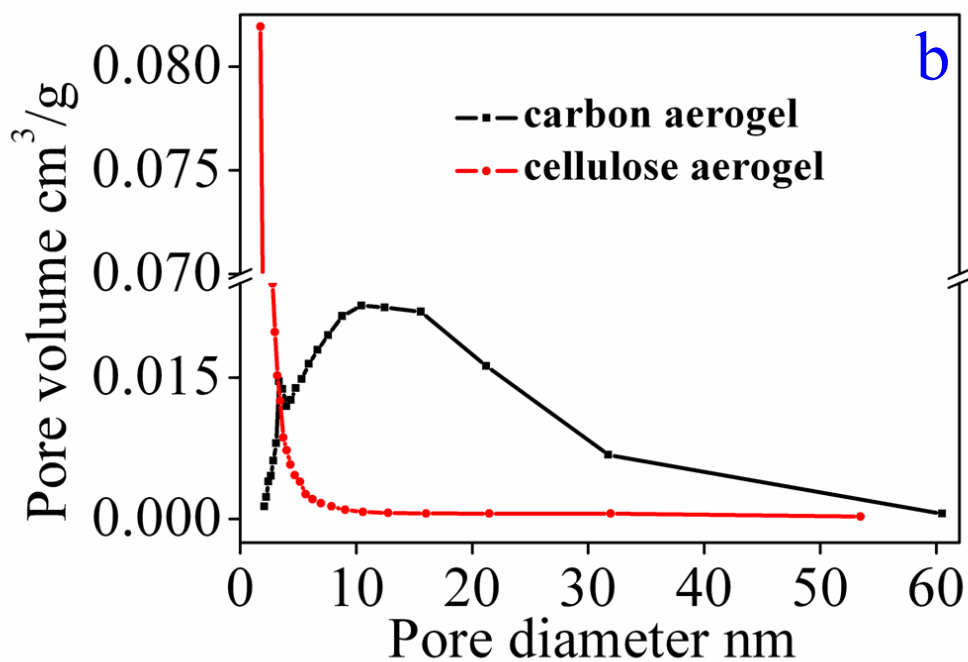
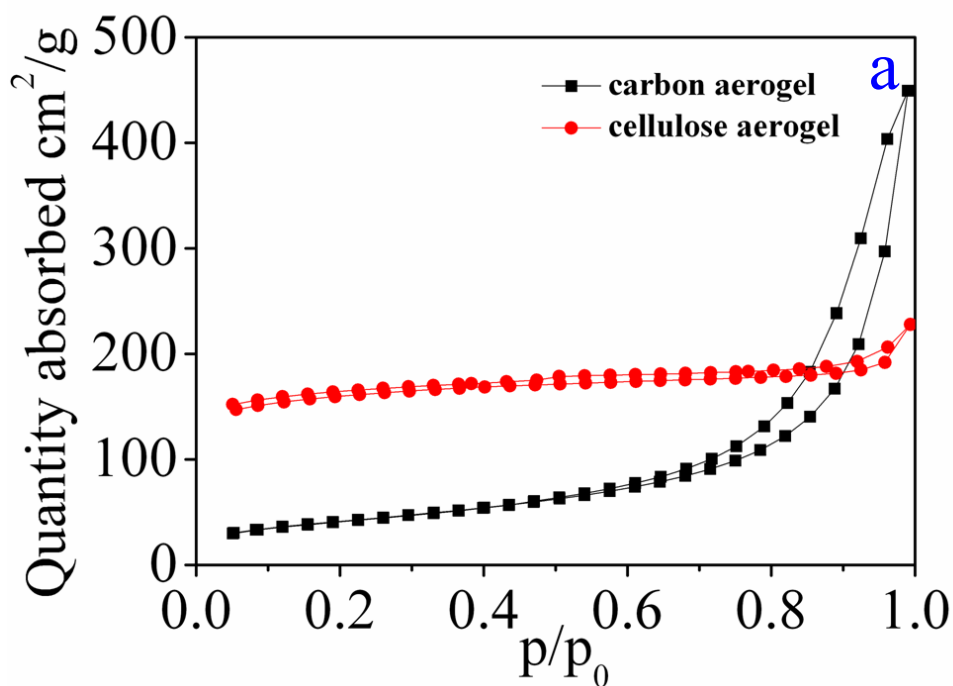


Figure S2. N₂ adsorption/desorption isotherms of the cellulose aerogel and carbon aerogel (a) and Pore size distributions of the cellulose aerogel and carbon aerogel (b).

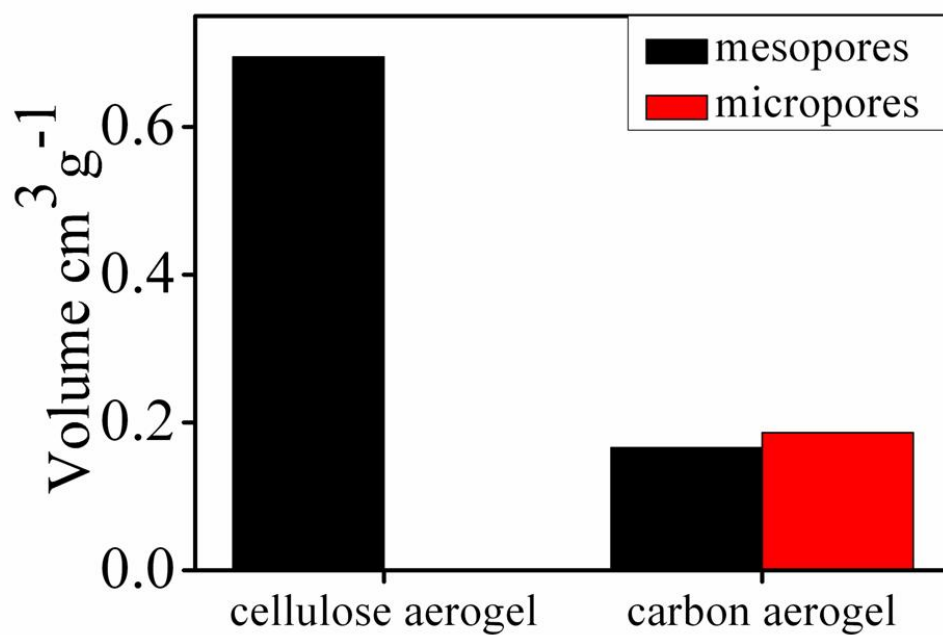


Figure S3. The volumes of meso and micropores in cellulose aerogel and carbon aerogel.

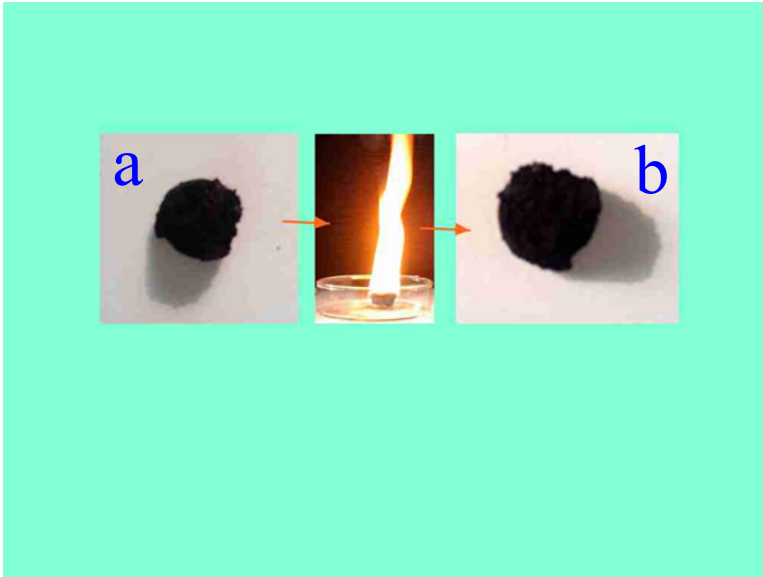


Figure S4. The morphologies of the carbon aerogel before (a) and after (b) burning.

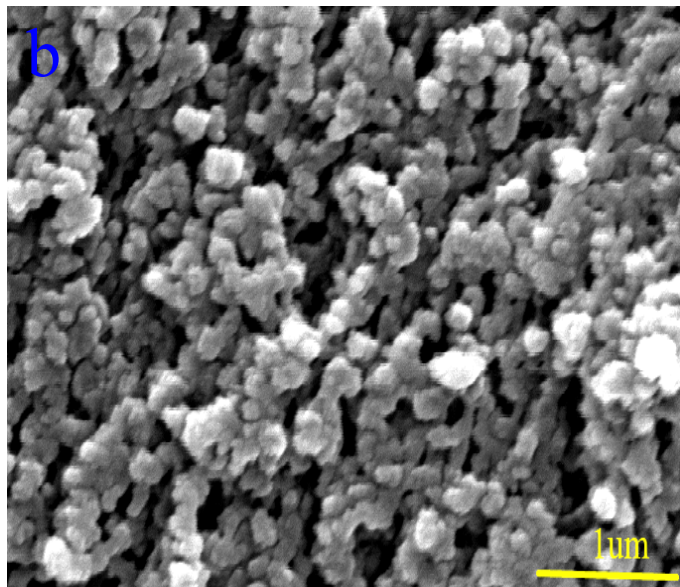
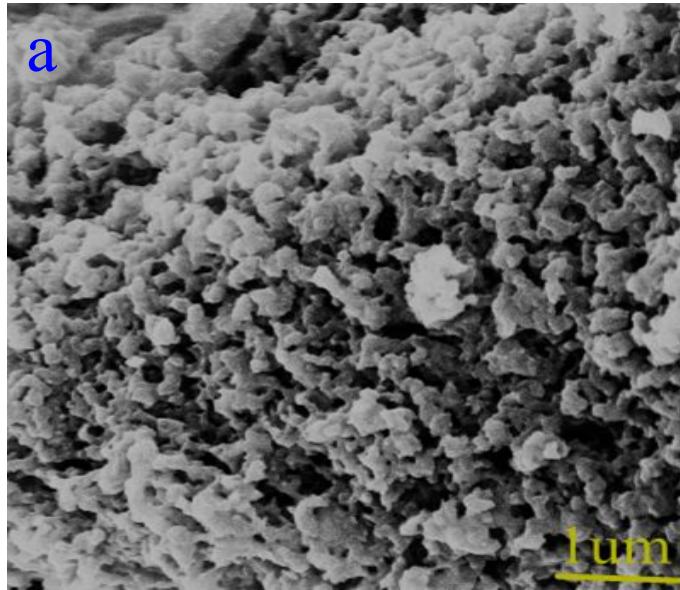


Figure S5. The SEM images of the carbon aerogel before (a) and after (b) burning.