

Converting waste textiles into highly effective sorbent materials

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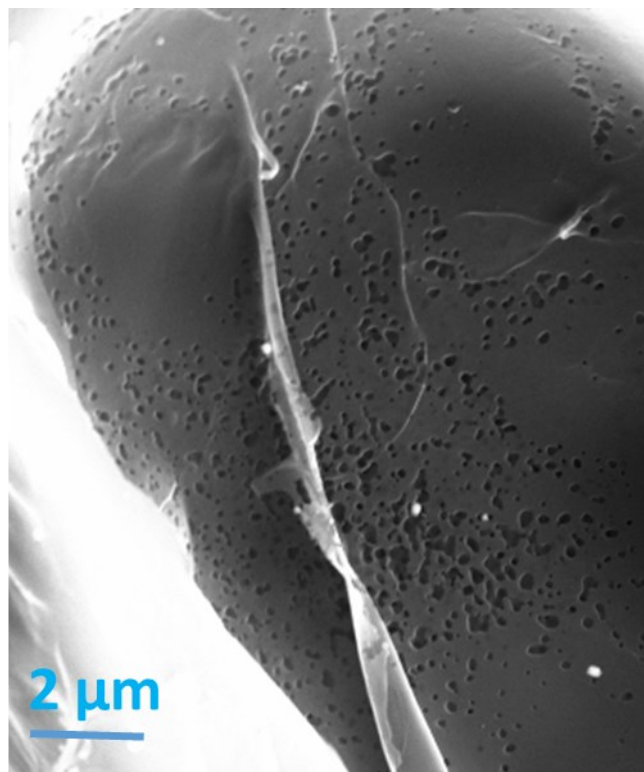


Fig. S1 SEM image of the activated freeze dried carbon fibre (inner surface area).

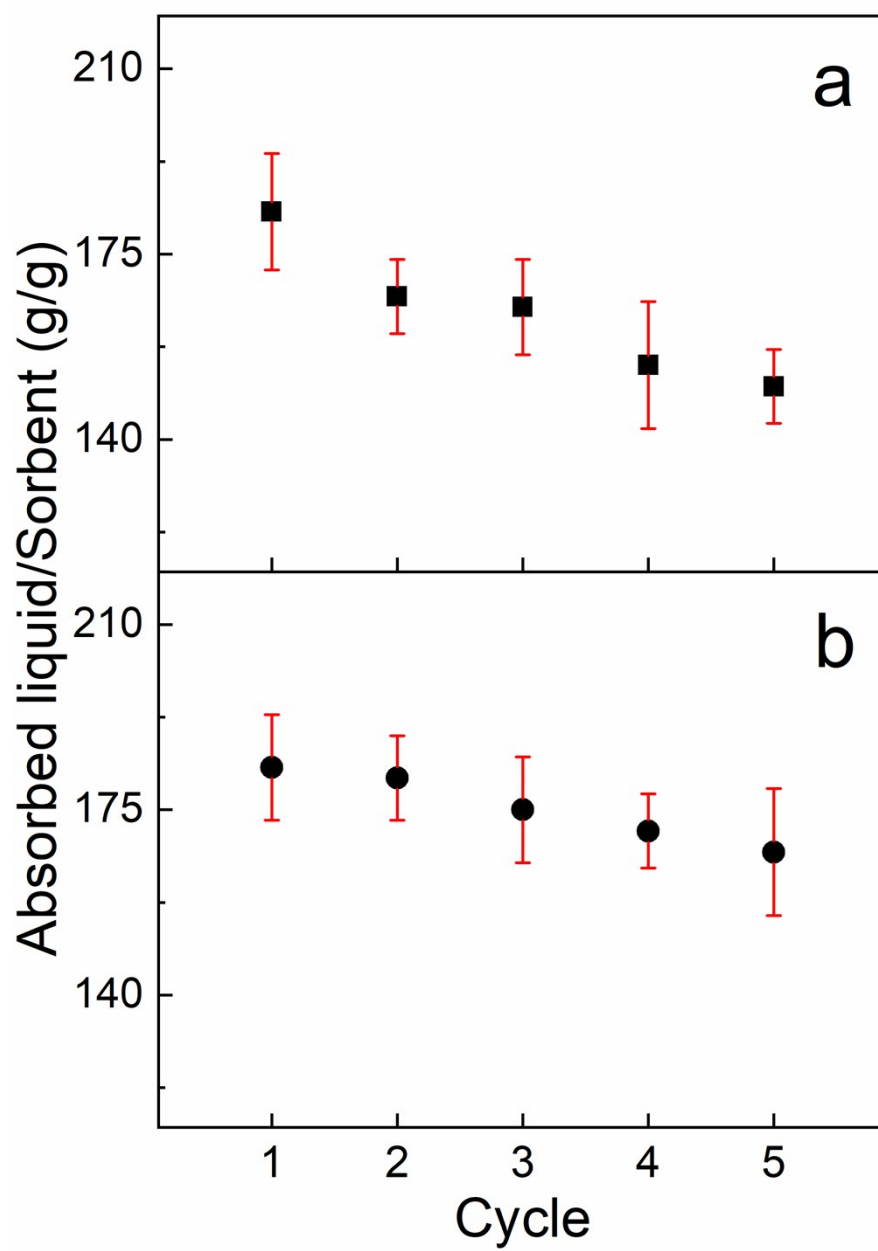


Fig. S2 (a) Absorption/combustion recyclability of the AFDCF with gasoline. (b) Absorption/distillation recyclability of the AFDCF with gasoline.

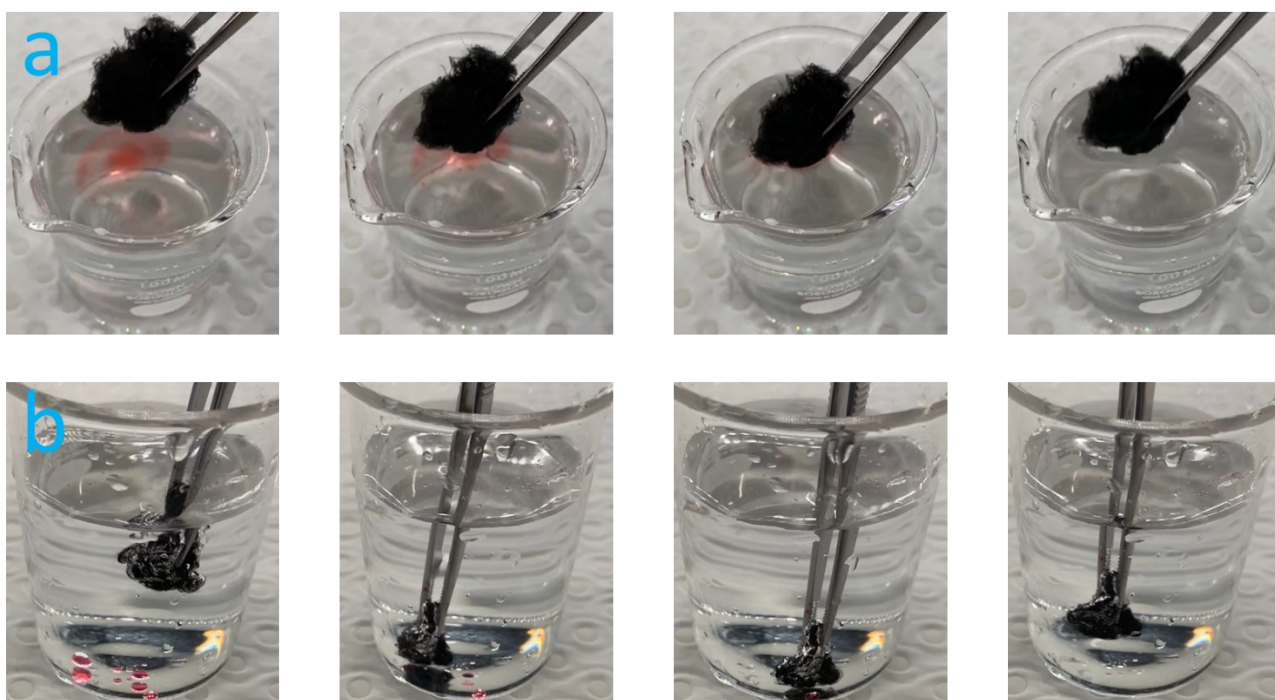


Figure S3. FDFCA1100 sample absorption of **A)** heptane (stained red) from water surface and **b)** chloroform (stained red) from water showing instant absorption on contact.

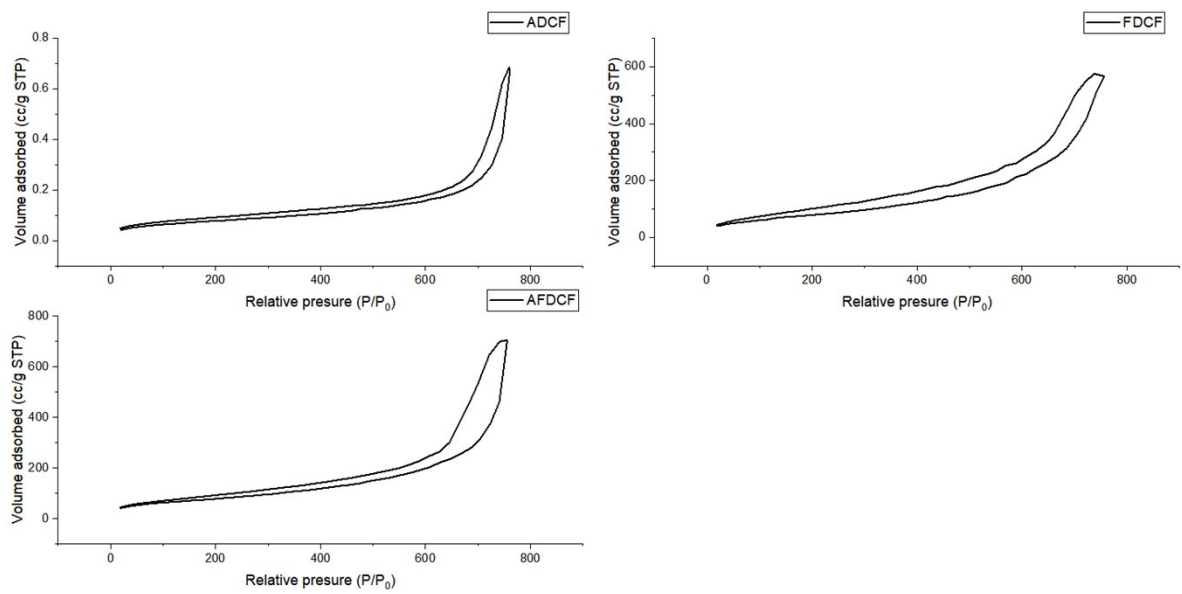


Figure S4. Nitrogen adsorption isotherms of carbon fibres.

ADCF: Air dried carbon fibres, FDCF: Freeze dried carbon fibres, and AFDCF: CO₂-Activated freeze dried carbon fibres.