

Biomass Chitosan-Based Tubular/Sheet Superhydrophobic Aerogels Enable Efficient Oil/Water Separation

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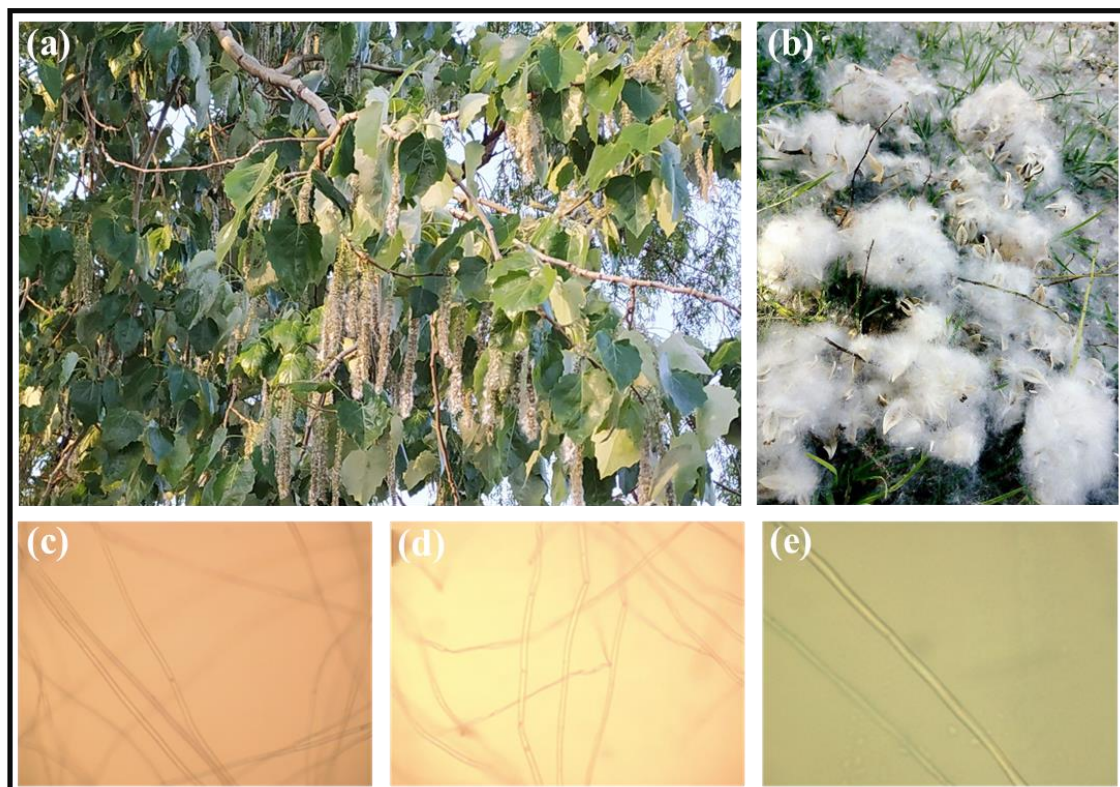


Figure S1. (a,b) Camera photos of PC trees/fibers; (c) microscopic image of PC; (d,e) microscopic image of treated PC.

Table S1. The oil used in experiments.

Oil type	Manufacturer
Diesel	China Petroleum and Chemical Corporation Limited
Soybean	Yihai Jiali Golden Arowana Grain, Oil and Food Co., LTD
Motor Oil 0W-20	Exxon Mobil Corp
Motor Oil 5W-40	Exxon Mobil Corp
Motor Oil 20W-50	Exxon Mobil Corp
Pump Oil	Leybold Optics

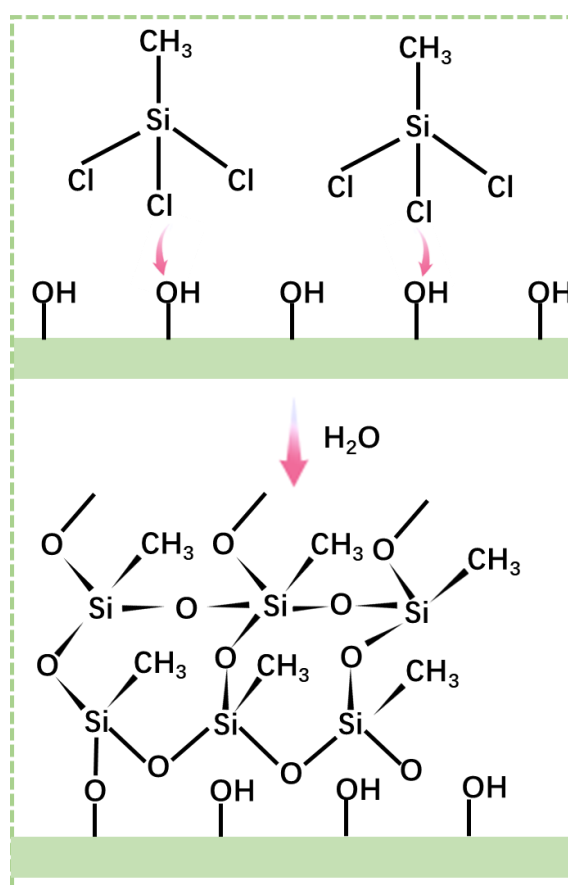


Figure S2. Reaction mechanism of MTCS with the material.

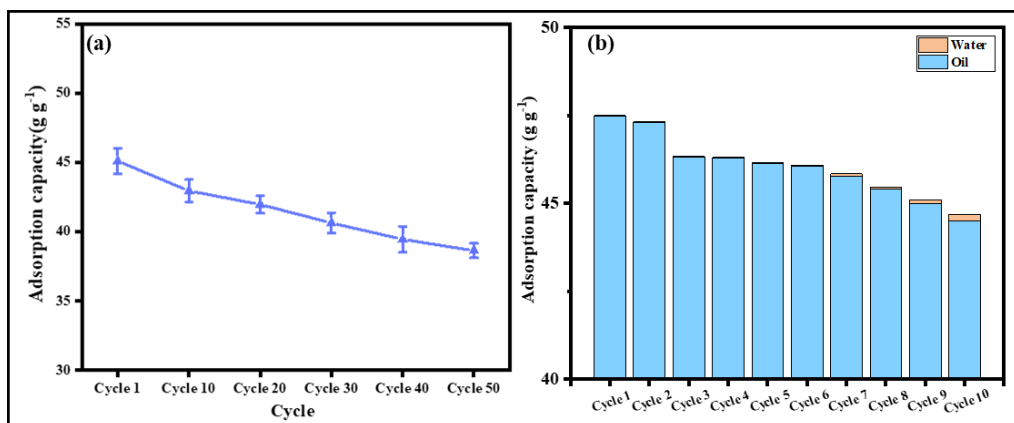


Figure S3. (a) Adsorption capacity of soybean oil for 50 cycles, (b) Oil absorption and water absorption of aerogel in 10 cycles.

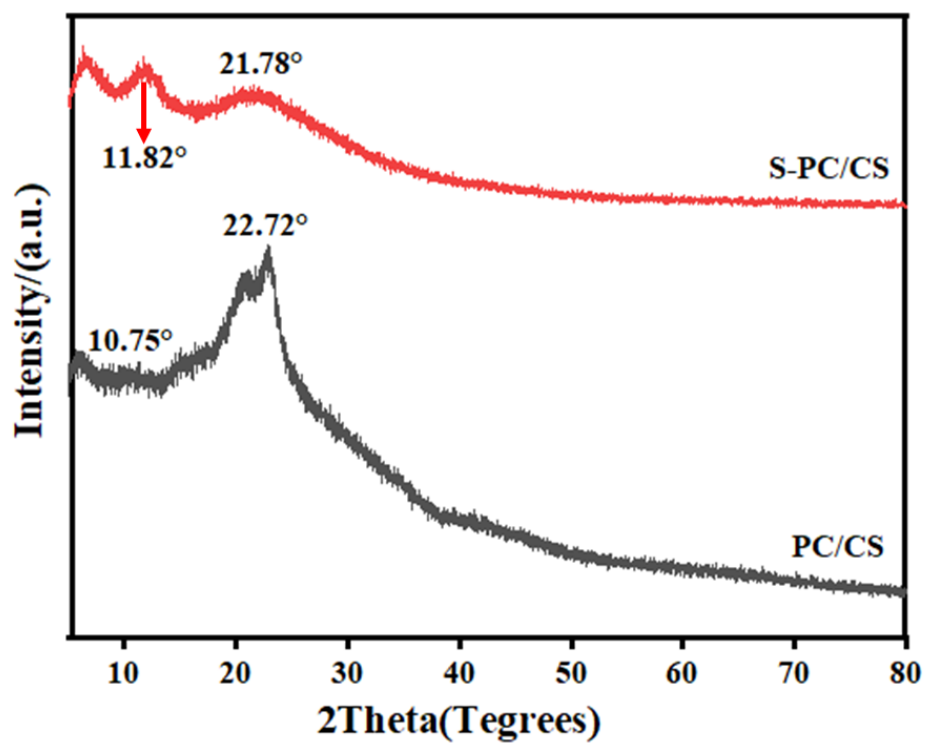


Figure S4. XRD patterns of PC/CS and S-PC/CS.