

Supplementary material

A facile preparation of superhydrophobic and oleophilic precipitated calcium carbonate sorbent powder for oil spill clean-ups from water and land surface

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Contents	Page
Table 1S Amount of oil recovered (%) from crude oil-THF mixture, obtained after washing the oil-sorbed regenerated/recycled sorbent powder.	2
Fig. 1S Raman spectra of palmitic acid (a), PCC (b), and SHPCC (c).	2
Fig. 2S AFM images of PCC (a) and SHPCC (b).	3
Fig. 3S Nitrogen adsorption-desorption curves of PCC.	3
Fig. 4S Nitrogen adsorption-desorption curves of SHPCC.	4
Fig. 5S Crude oil droplet before addition to SHPCC (a); after 0.5 s (b); after 1 s (c); after 1.5 s (d); after 2 s (e); after 2.5 s (f).	4

Table 1S Amount of oil recovered (%) from crude oil-THF mixture, obtained after washing the oil-sorbed regenerated/recycled sorbent powder.

Sorption cycle	Oil recovered (%)
First	98.5
Second	98.3
Third	99.1
Fourth	98.6
Fifth	98.1

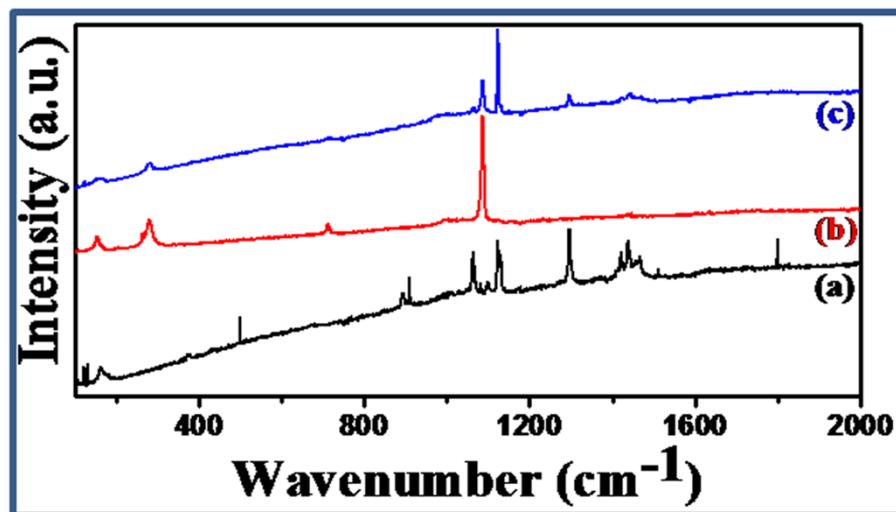


Fig. 1S Raman spectra of palmitic acid (a), PCC (b), and SHPCC (c).

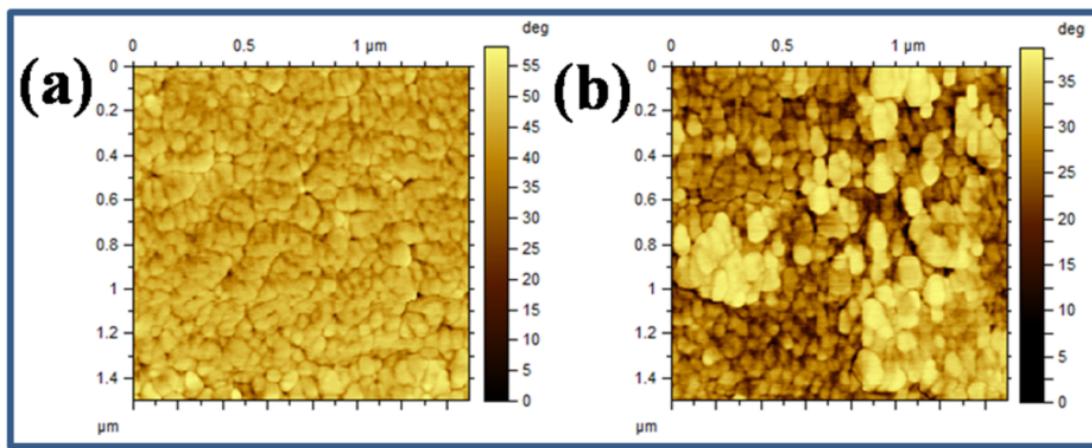


Fig. 2S AFM images of PCC (a) and SHPCC (b).

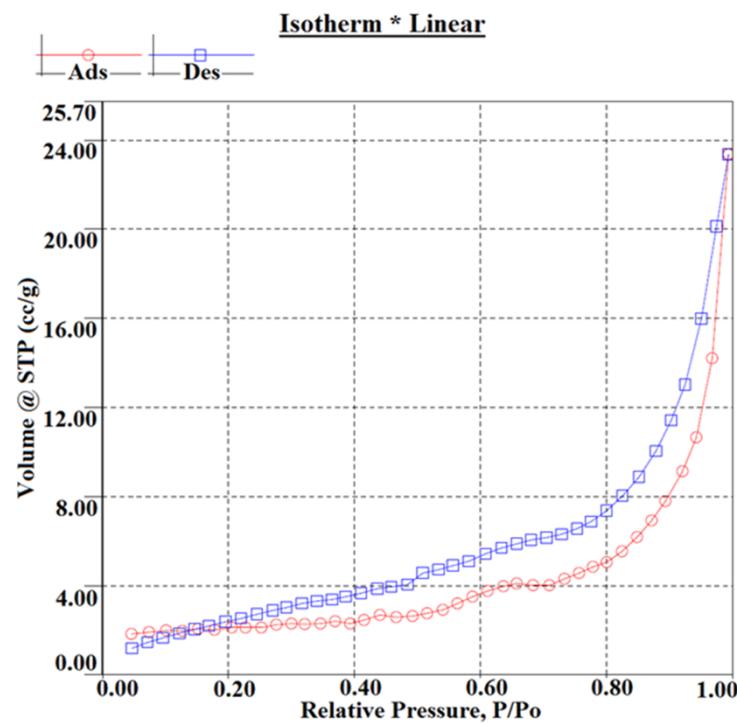


Fig. 3S Nitrogen adsorption-desorption curves of PCC.

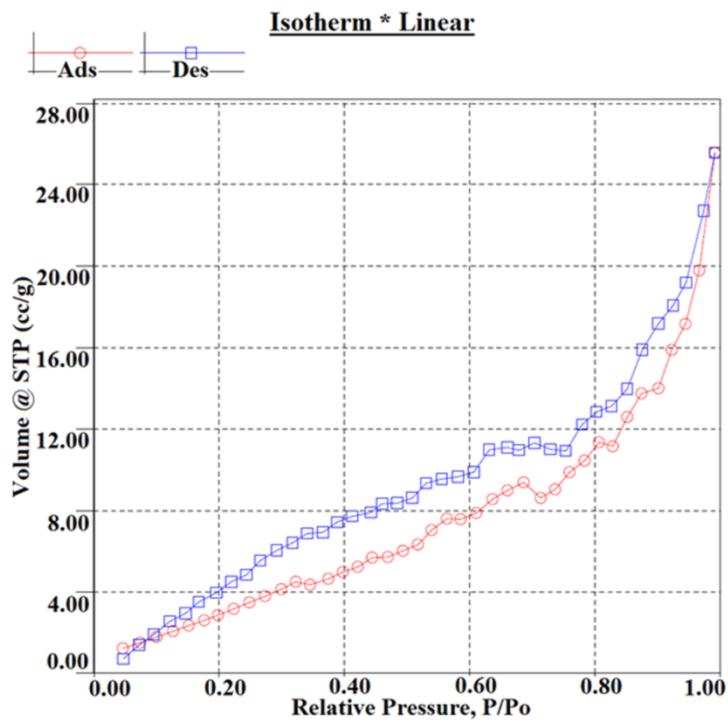


Fig. 4S Nitrogen adsorption-desorption curves of SHPCC.

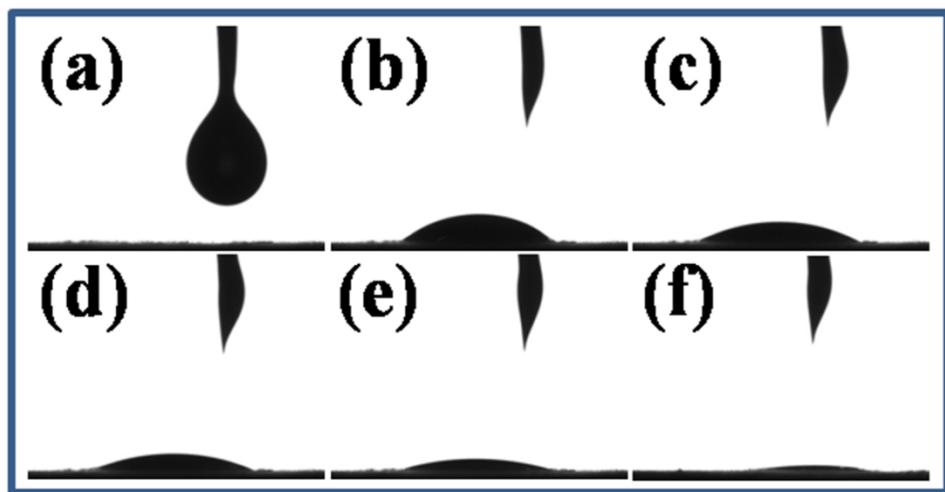


Fig. 5S Crude oil droplet before addition to SHPCC (a); after 0.5 s (b); after 1 s (c); after 1.5 s (d); after 2 s (e); after 2.5 s (f).