

# Supporting Information for

## Superhydrophobic Hierarchically-Assembled Films of Diblock Copolymer

### Hollow Nanospheres and Nanotubes

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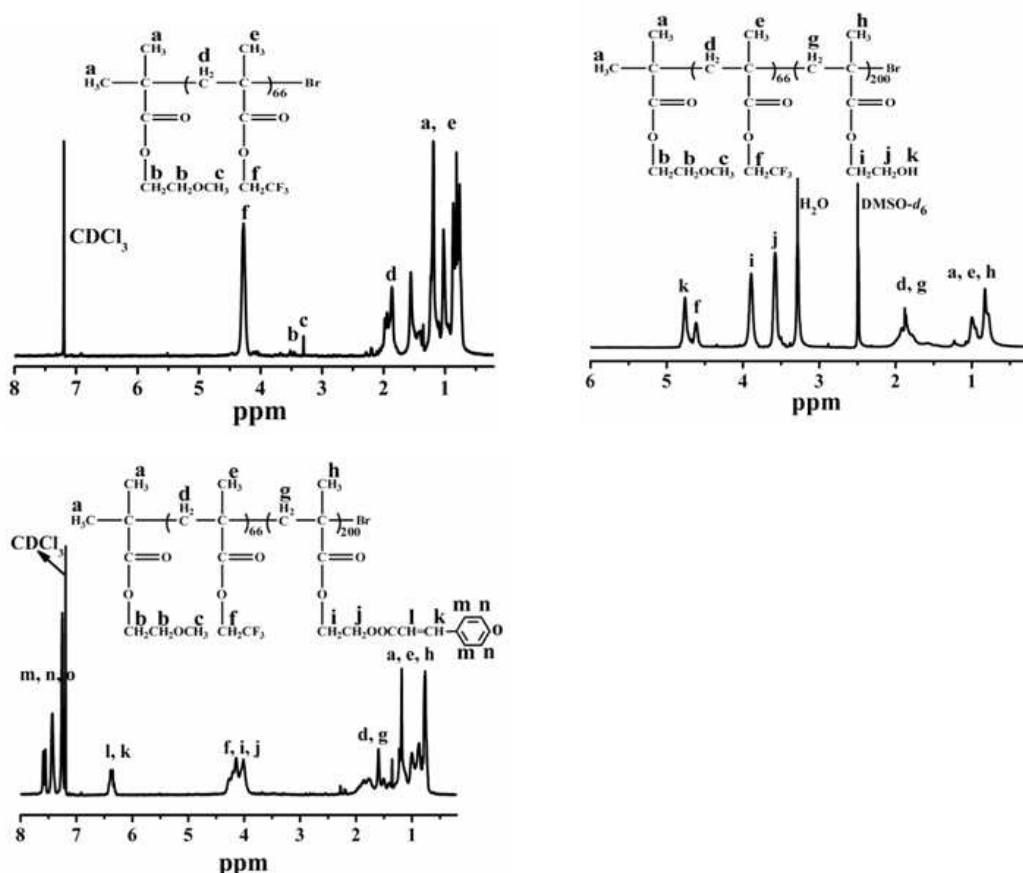


Figure S1. <sup>1</sup>H NMR spectra of  $F_{66}$ ,  $PFEMA_{66}$ - $b$ - $PHEMA_{200}$  and  $F_{66}M_{200}$ .

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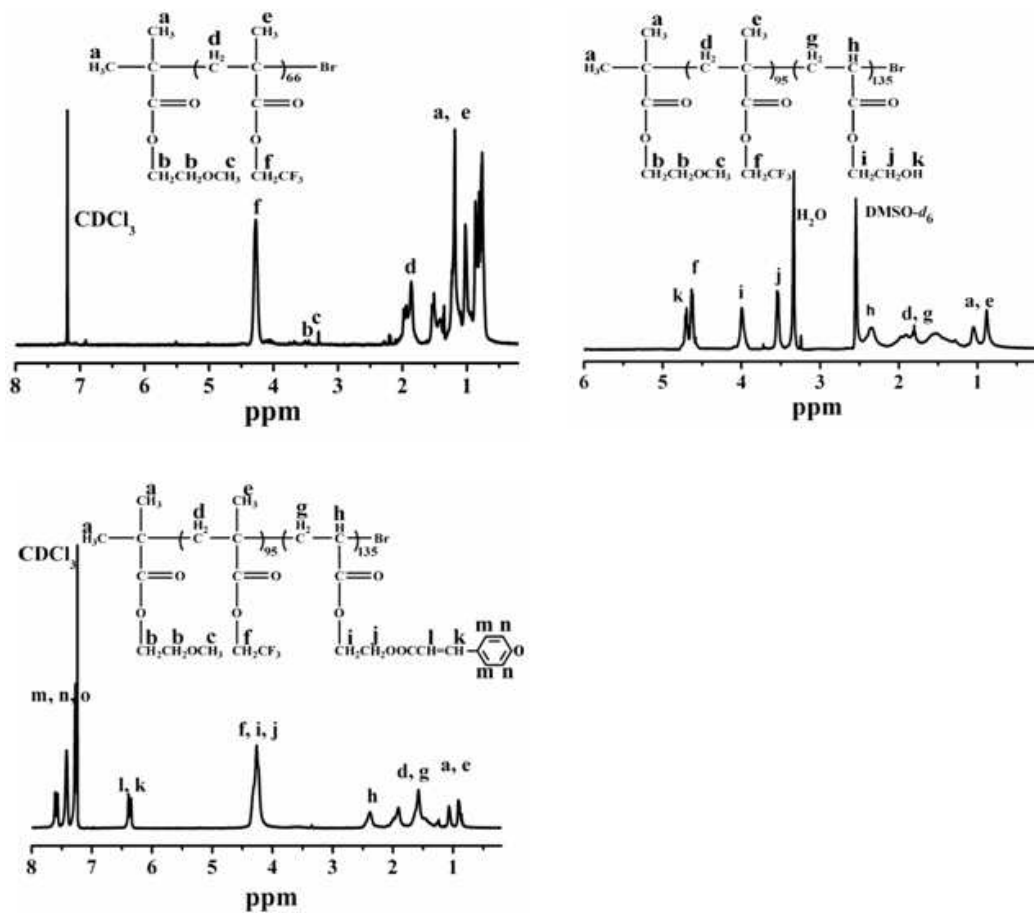


Figure S2.  $^1\text{H}$  NMR spectra of  $\text{F}_{95}$ ,  $\text{PFEMA}_{95}\text{-}b\text{-PHEA}_{135}$  and  $\text{F}_{95}\text{A}_{135}$ .

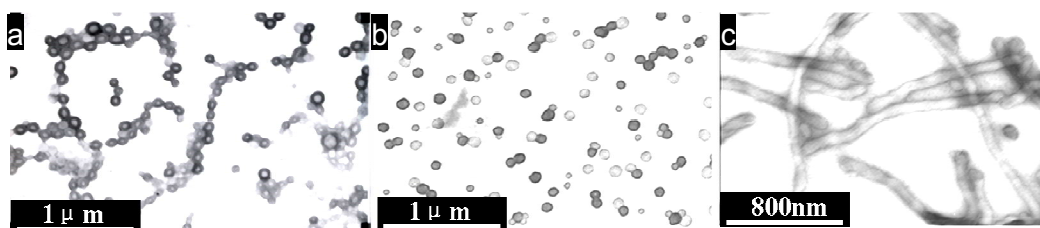


Figure S3. TEM images of vesicular  $F_{66}M_{200}$  aggregates (before (a) and after (b) crosslinking), and tubular  $F_{95}A_{135}$  micelles after (c) crosslinking. The samples for TEM observation were aero-sprayed from FEMA before stained with  $RuO_4$ .

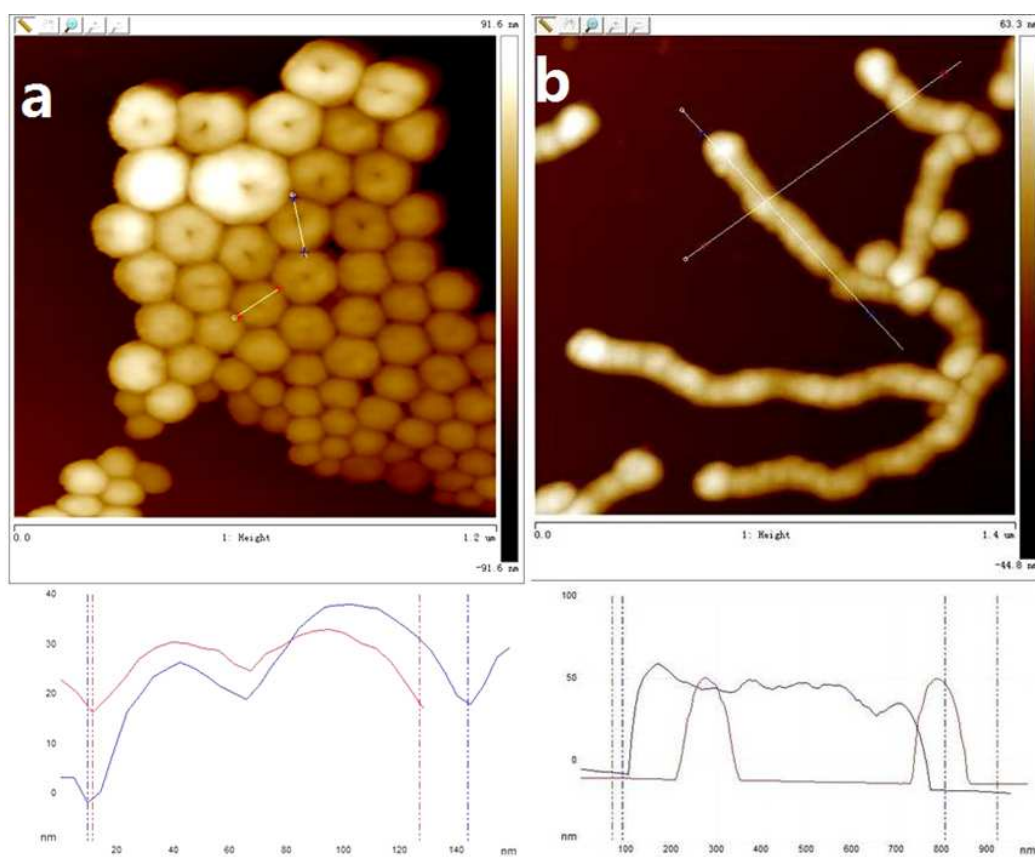


Figure S4. AFM height images with section analysis of vesicular  $F_{66}M_{200}$  aggregates (a) and tubular  $F_{95}A_{135}$  micelles (b).

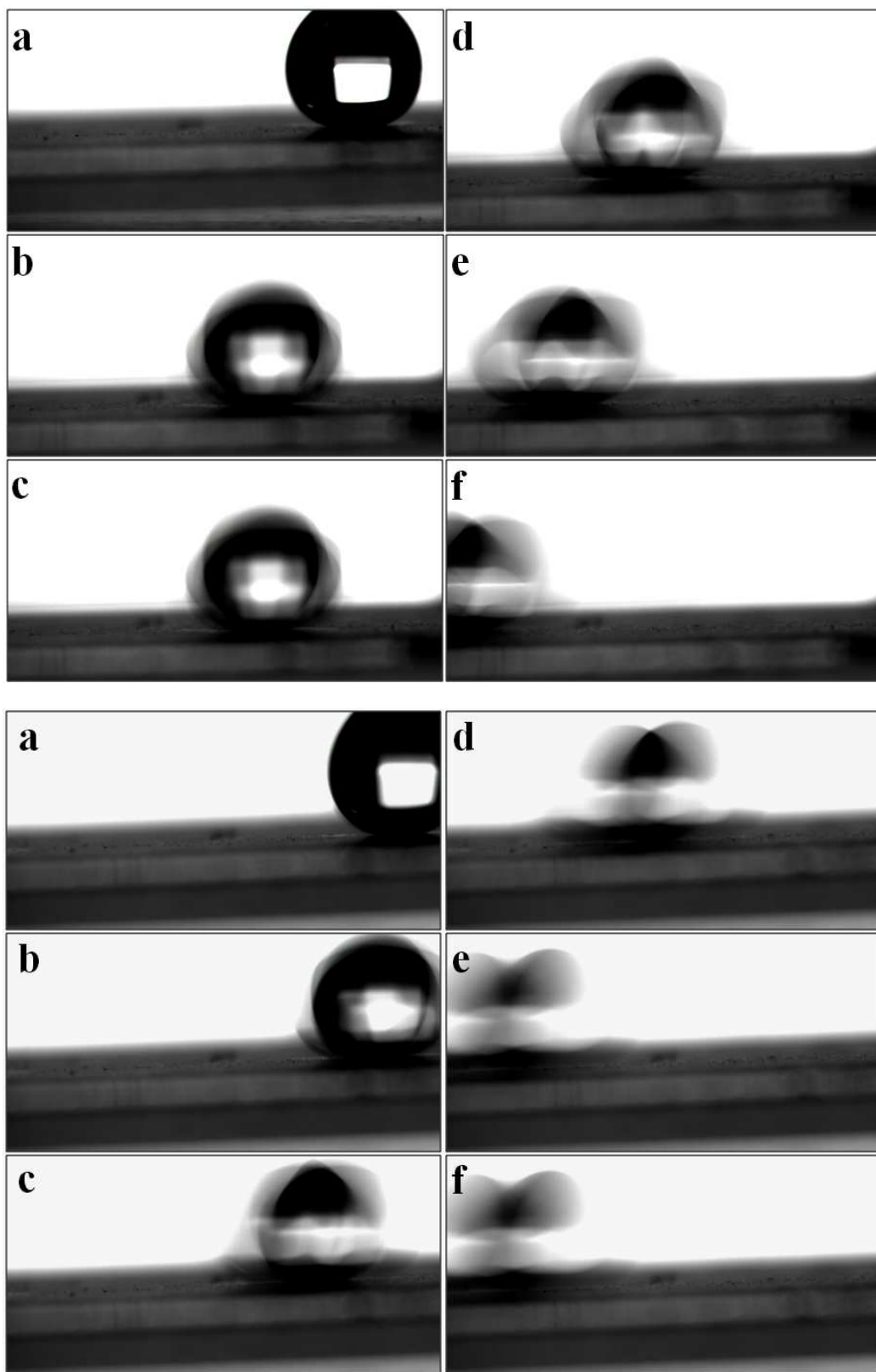


Figure S5. The images of the sliding of a water droplet of 8  $\mu\text{L}$  on the surface with slant angle of  $3^\circ$  (top), and  $5^\circ$  (bottom): (a) beginning; (b)–(f) the sliding process.