Supplementary Materials

Sustainable, Highly Efficient and Superhydrophobic Fluorinated Silica Functionalized Chitosan Aerogel Gravity-Driven Oil/Water Separation

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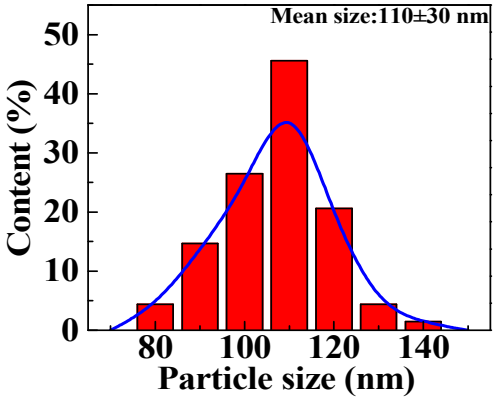

Figure S1. The size distribution of F-silica nanoparticles.

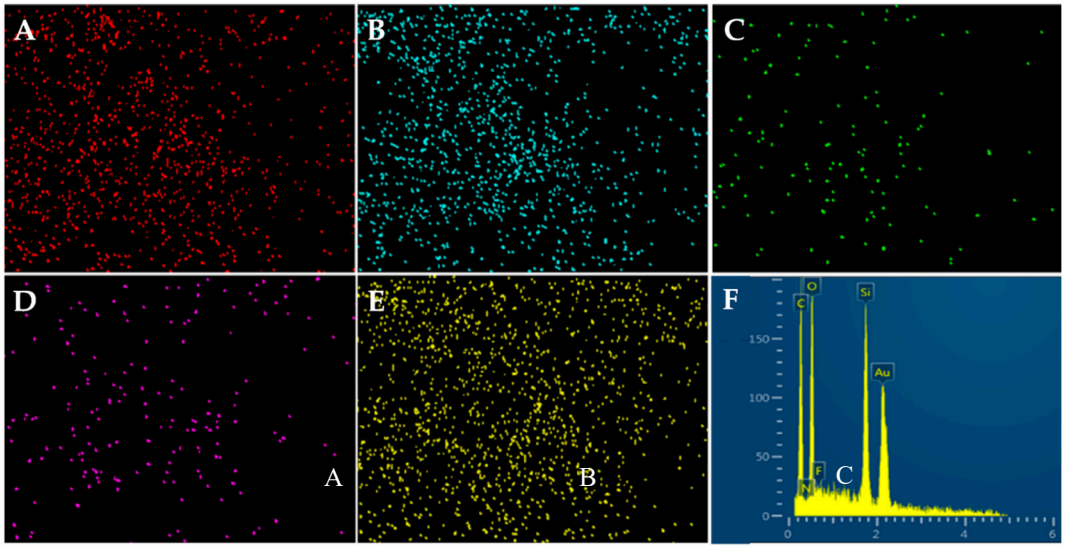

Figure S2. Element mappings of C (A), O (B), N (C), F (D), Si (E) and EDS spectrum (F) of F-CS aerogel.

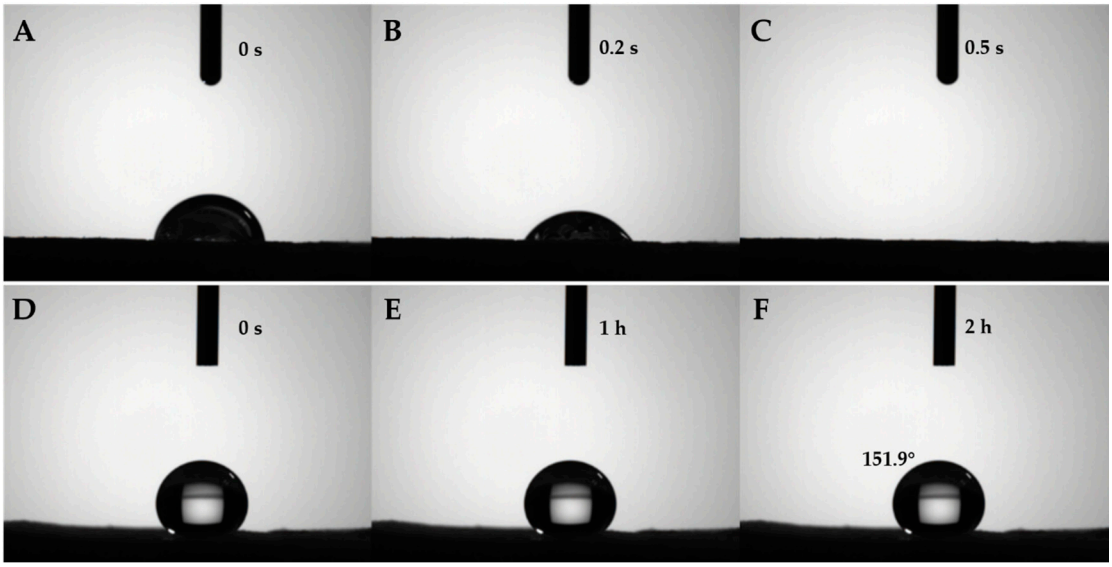

Figure S3. The sequential WCA pictures of CS (A-C) and F-CS (D-F) aerogels.

Figure S4. The collection process of the absorbed oil.

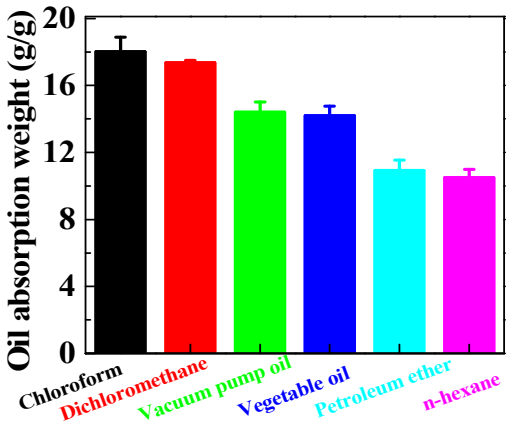

Figure S5. The oil absorption weights of F-CS aerogel.

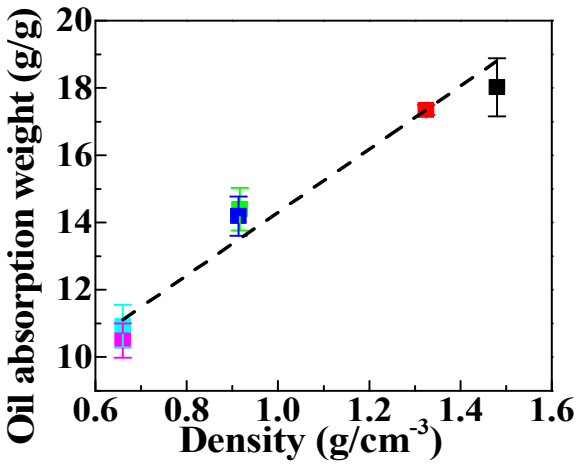

Figure S6. The relationship between the oil density and the absorption weight of F-CS aerogel.