Electronic Supplementary Information (ESI)

Superhydrophobic and superoleophilic graphene aerogel prepared by facile chemical reduction
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Fig. S1 Video snapshots of the absorption process of a drop of hexadecane on the surface of GA

0 s  0.04 s  0.08 s

0.12 s  0.16 s

Fig. S2 Optical image of GA immersed in water by an external force.

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Fig. S3 Raman spectra of GO (a) and GA (b).

Fig. S4 Absorption Capacity as a function of the density of solvents.
(Order of the solvents according to the density: hexane, dodecane, cyclohexane, acetone, ethanol, methanol, kerosene, paraffin oil, toluene, pump oil, THF, dioxane, chloroform, CCl₄)
**Fig. S5** FT-IR spectra of three kinds of the recovered solvents from GA: a) acetone, b) dodecane, c) hexane.