Supporting Information

Superhydrophobic Cu mesh combined with a superoleophilic polyurethane sponge for oil spill adsorption and collection

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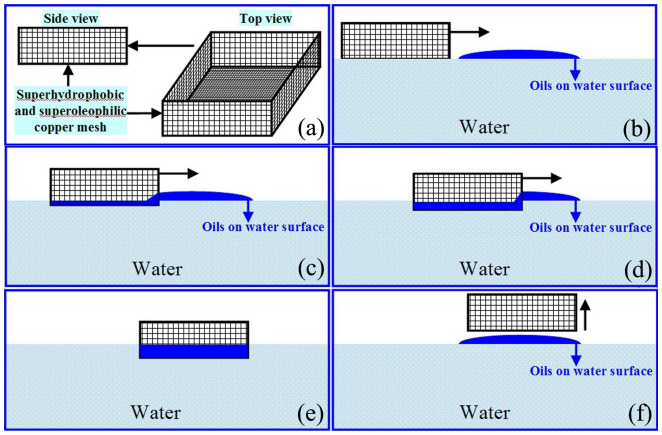

Figure S1. (a)-(f) A schematic illustration of an attempt for the separating of oil from water surface by using the superhydrophobic copper mesh box.

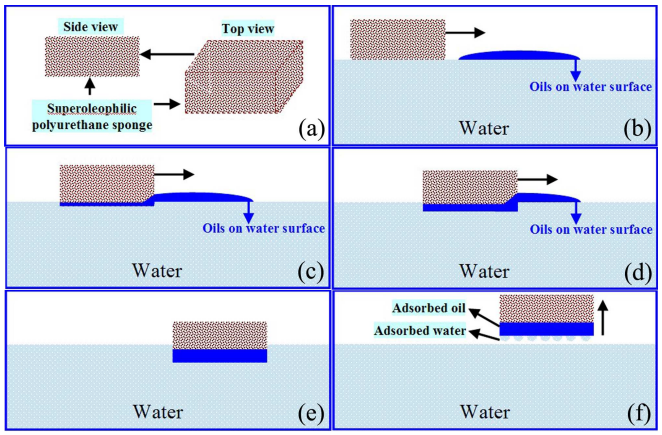

Figure S2. (a)-(f) A schematic illustration of the oil-water separation process from the water surface by using the as-received PU sponge.

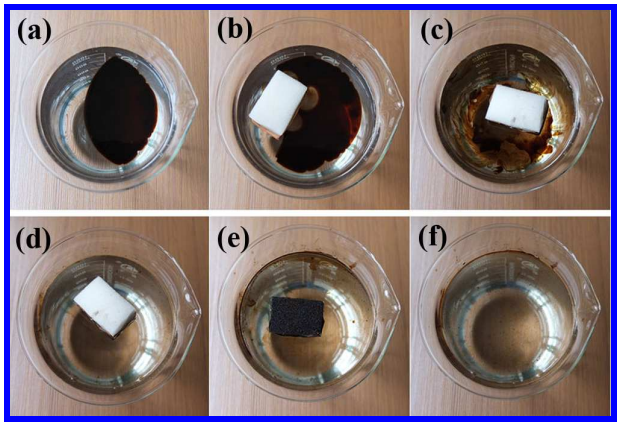

Figure S3. (a)-(f) Process of the separating crude oil from water surface by using the miniature device. (a) Crude oil floated on water surface; (b) the miniature device approached to the crude oil; (c) crude oil was adsorbed by the miniature device gradually; (d) most of the crude oil was adsorbed by the miniature device; (e) after repeating

the adsorption process, the miniature approaches its maximum loading capacity 21 times weight of the blank PU sponge); (f) after removed the miniature device, only a small amount of crude oil remained in water surface.