

Supplementary Data

A Versatile and Cost-Effective Reduced Graphene Oxide Crosslinked Polyurethane Sponge for Highly Effective Wastewater Treatment

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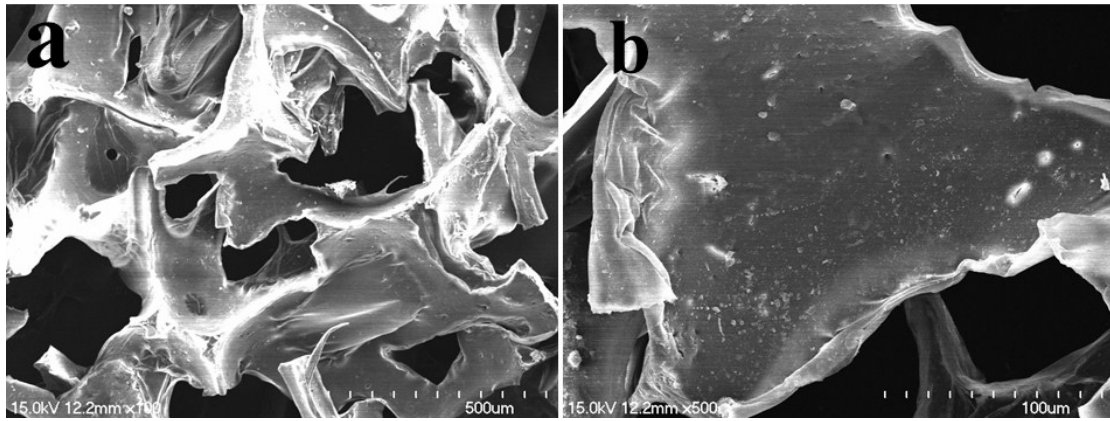


Fig. S1. The morphology of porous PU@rGO after 20 cycle's stress-strain tests, showing that the porous structure with interconnect pores (a) and rGO coated skeletons (b).

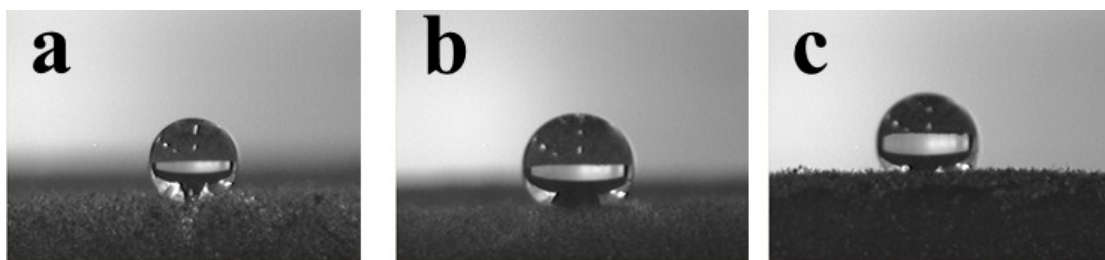


Fig. S2. The CA measurement of porous PU@rGO after immersion in acid solution (a), base solution (b) and hexane (c). The CA value was 142.5° , 138.0° and 130.5° , respectively.

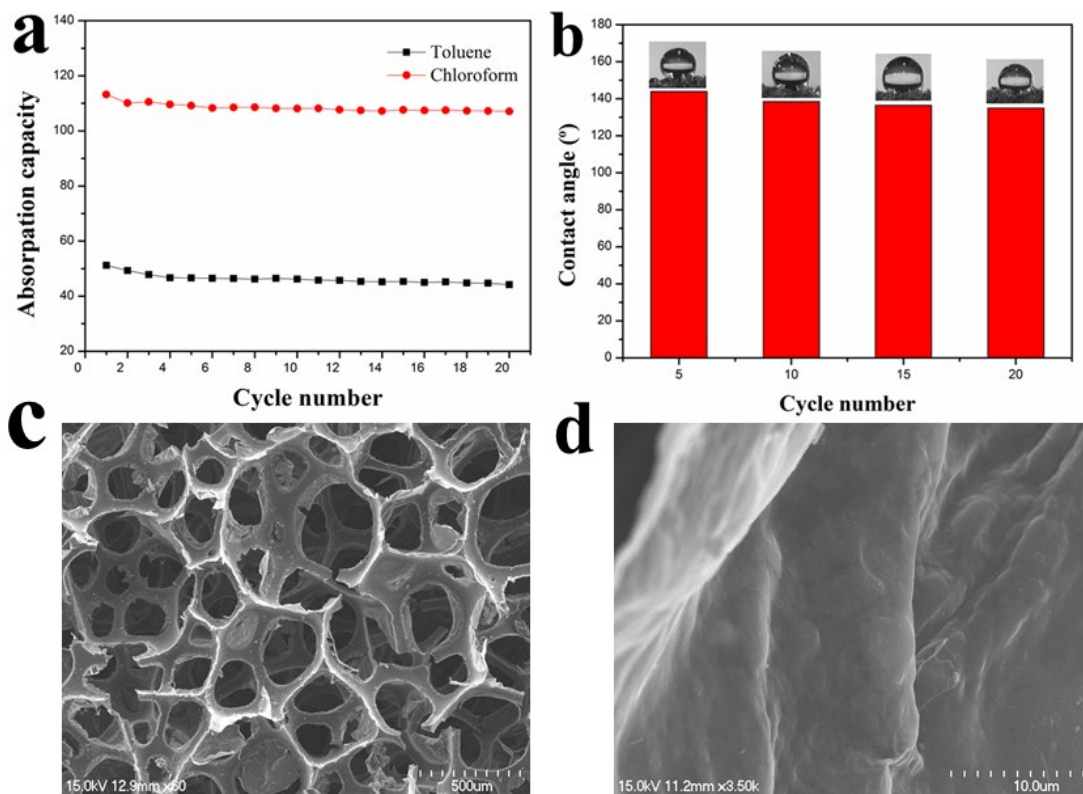


Fig. S3. (a) Absorption recyclability of porous PU@rGO for organic solvents. (b) Water contact angle recorded for porous PU@rGO after each five oil/water separation tests. (c and d) SEM images of PU@rGO material after reusability test, indicating that the rGO sheets were coated on the surface of PU structures.