

Supporting information

Mechanically Robust and Flexible GO/PI Hybrid Aerogels as Highly Efficient Oil Absorbents

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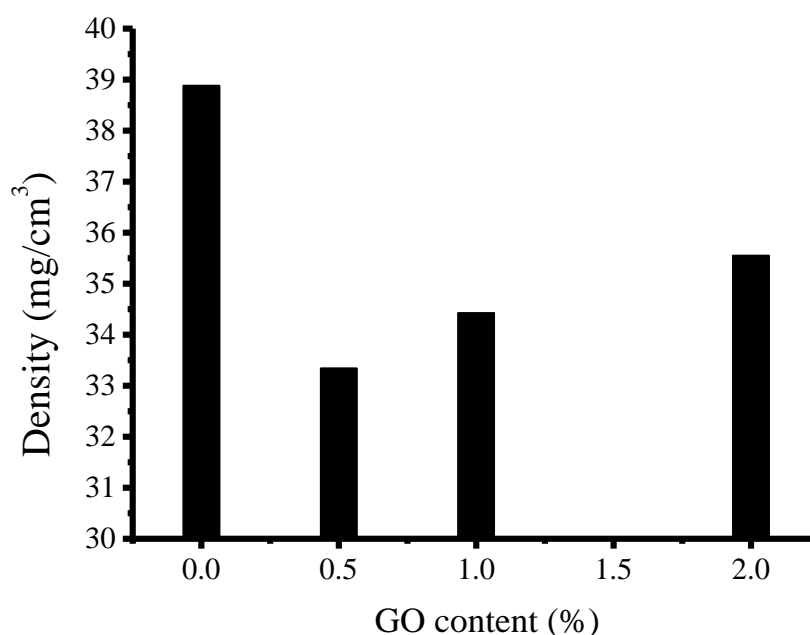


Figure S1. GIAs densities as a function of GO contents.

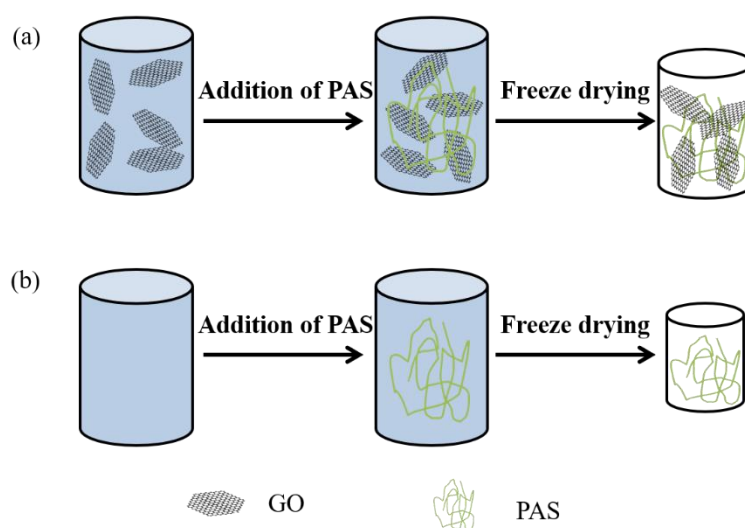


Figure S2. Schematic diagram of the freeze-drying processes of PAS solutions with GO (a) and without GO (b).

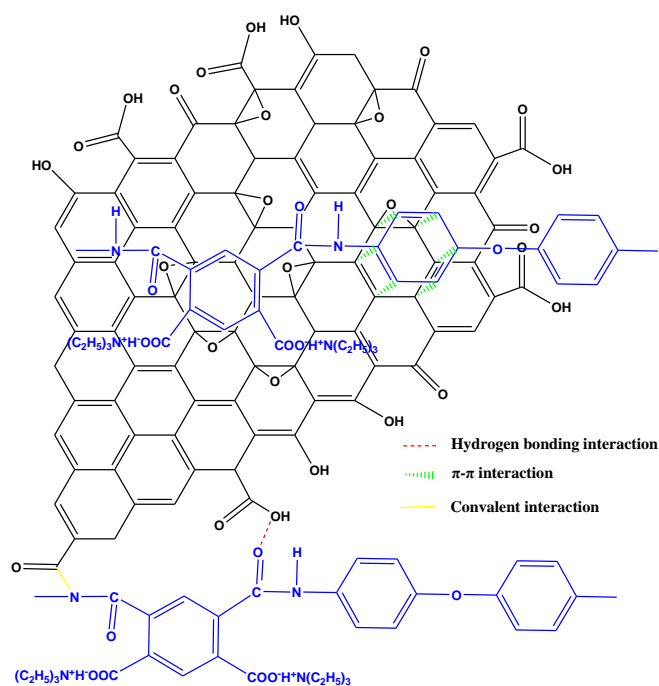


Figure S3. Schematic of the interactions that might exist between GO and PAS.



Figure S4. A GIA₁ with a weight of 6.4 mg (left); the same sample supporting a 200g poise (middle) that is 31250 times its own weight; the same sample after remove of the poise (right).

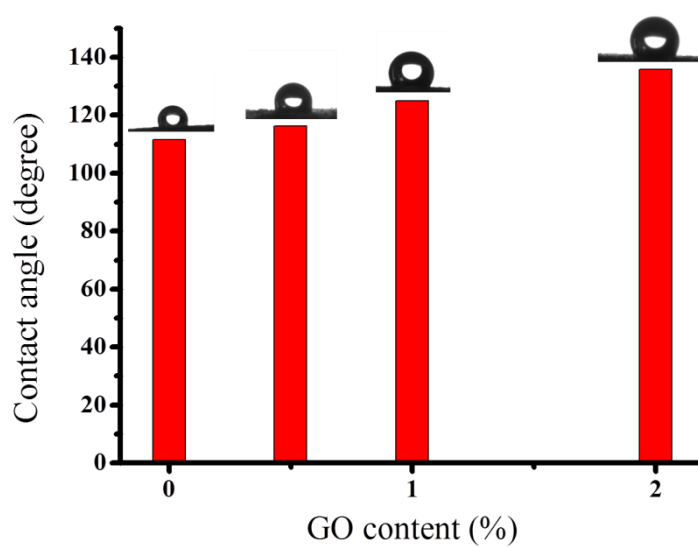


Figure S5. Water contact angles of GIAs as a function of GO contents.

Table S1. Surface tensions of organic liquid/oil absorbed by GIAs.

Organic liquid or oil	Surface tension $\text{mN}\cdot\text{m}^{-1}$	Reference
Ethanol	22.3	89
Toluene	29	89
Cyclohexane	24.3	89
Rapeseed-oil	35	90
Glycerol	63.4	91