

Electronic Supplementary Information

Novel dextran-graphene oxide composite material as a sorbent for solid-phase microextraction of polar aromatic compounds

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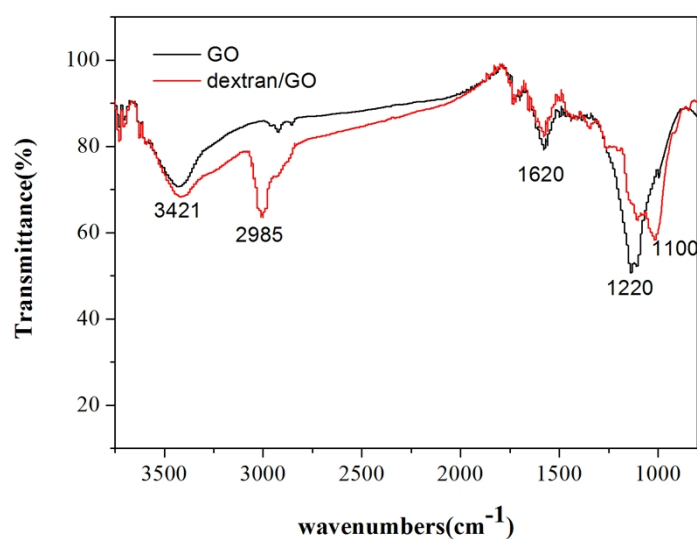
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3.2 Characterization of dextran/GO-coated fiber

The unmodified fiber (Fig. S-1) was obtained by scraping the dextran/GO coating from external force. From the image, we see that the less amount of modified coating is existing, which also demonstrates the strong force of coating and fiber substrate.

Fig. S-1 Scanning electron micrograph of a unmodified fiber.

Fig. S-2 The IR spectrum of GO and dextran/GO



3.3 Stability and lifetime of the dextran/GO fiber

Fig. S-3 Comparison of GC peak areas of analytes before and after immersing the tip of the dextran/GO-coated fiber into three different solutions for 12 h and heating treatment.

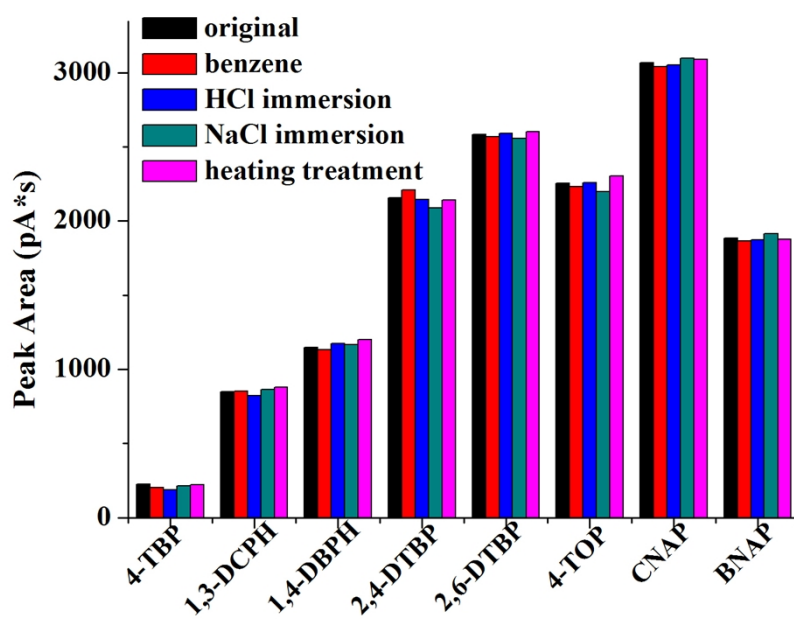


Fig. S-4 Thermogravimetric curve of the dextran/GO composite in air gas atmosphere;

heating rate: 5 °C min⁻¹.

