Electronic supplementary information

Preparation and characterization of a composite hydrogel with graphene oxide as an acid catalyst

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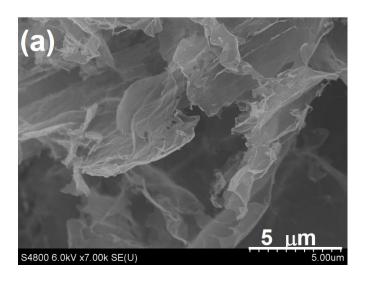
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Fig. S1 Formation mechanism of PF.



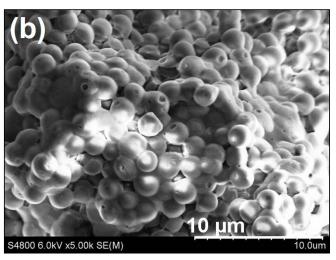


Fig. S2 SEM image of GO (a) and PF (b).

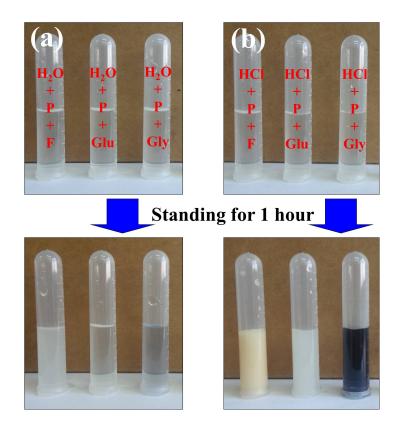


Fig. S3 Comparison of polymerization process of pyrrole and three different aldehydes in (a) water and (b) HCl (pH=4).

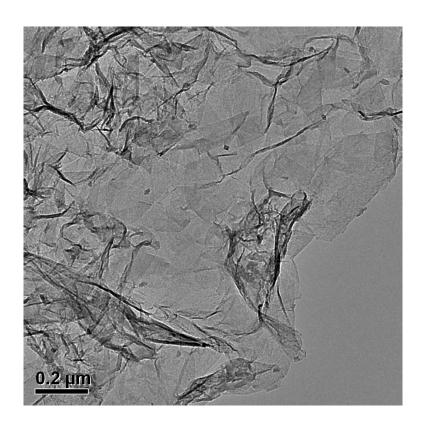


Fig. S4 TEM image of GOP-1.

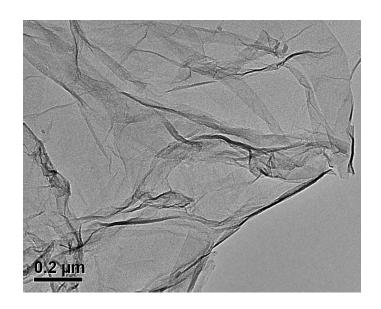


Fig. S5 TEM image of GO.

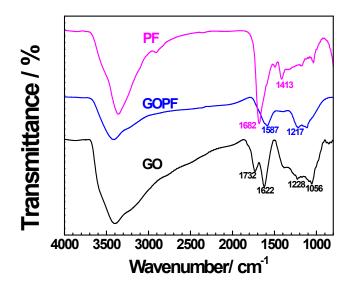


Fig. S6 IR spectra of GO, GOP-1, and PF.