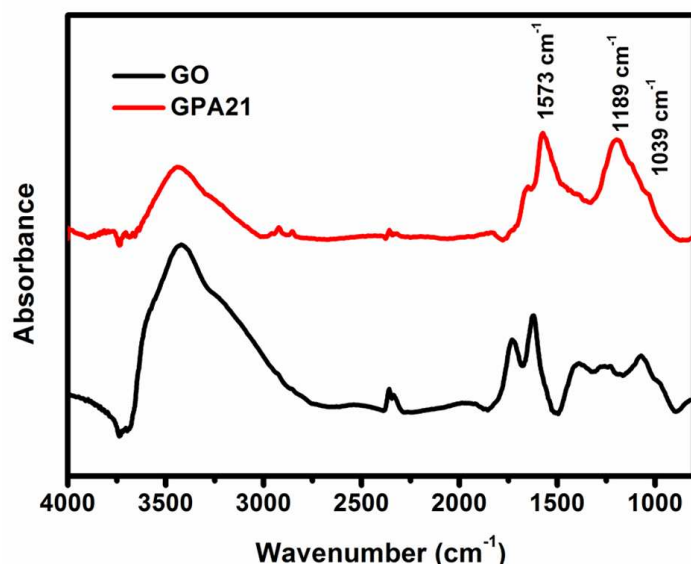


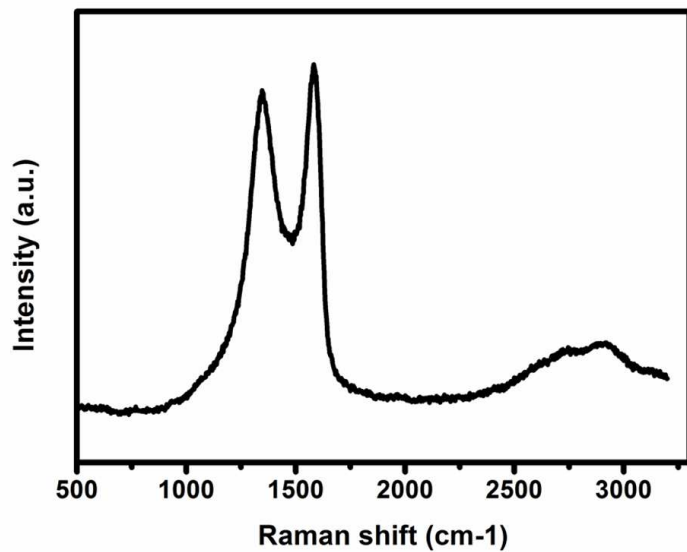
# Self-Assembled Three-Dimensional Hierarchical Graphene/Polypyrrole Nanotube Hybrid Aerogel and Its Application for Supercapacitors

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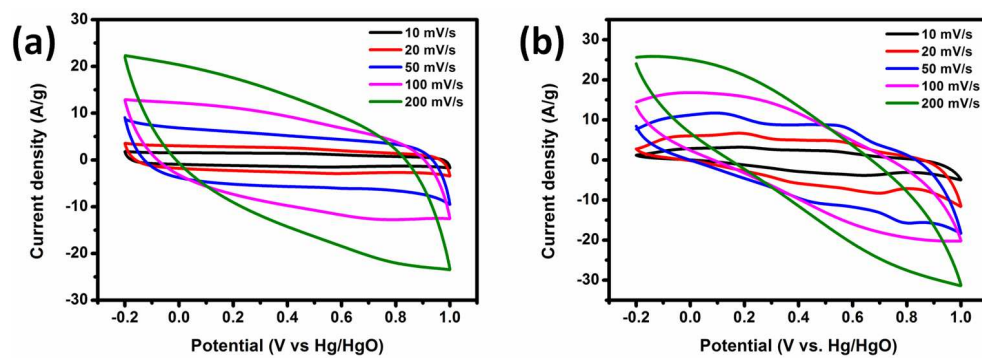
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**Figure S1.** FTIR spectra of GO and GPA21.



**Figure S2.** Raman spectrum of GO.



**Figure S3.** CV curves of GA (a) and PNT (b) at different scan rates of 10, 20, 50, 100, and 200 mV/s.