

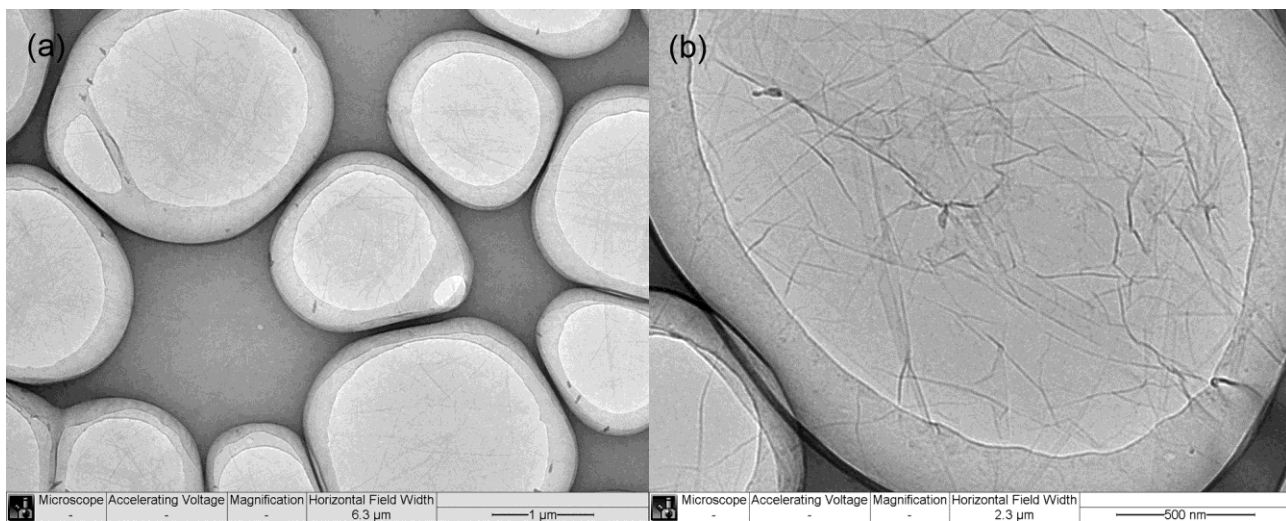
# Supporting Information

## Morphology-controllable graphene-TiO<sub>2</sub>nanorodhybrid nanostructuresforpolymer composites with high dielectric performance

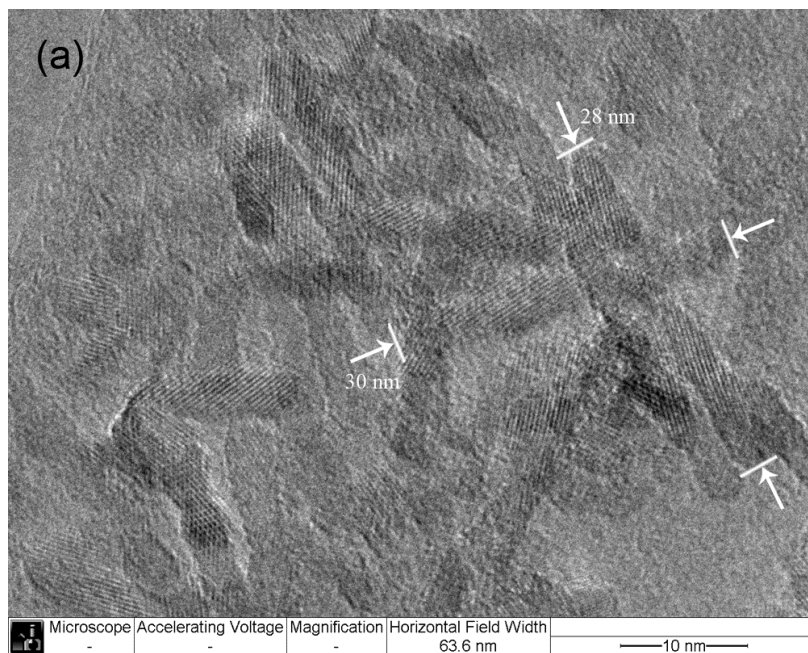
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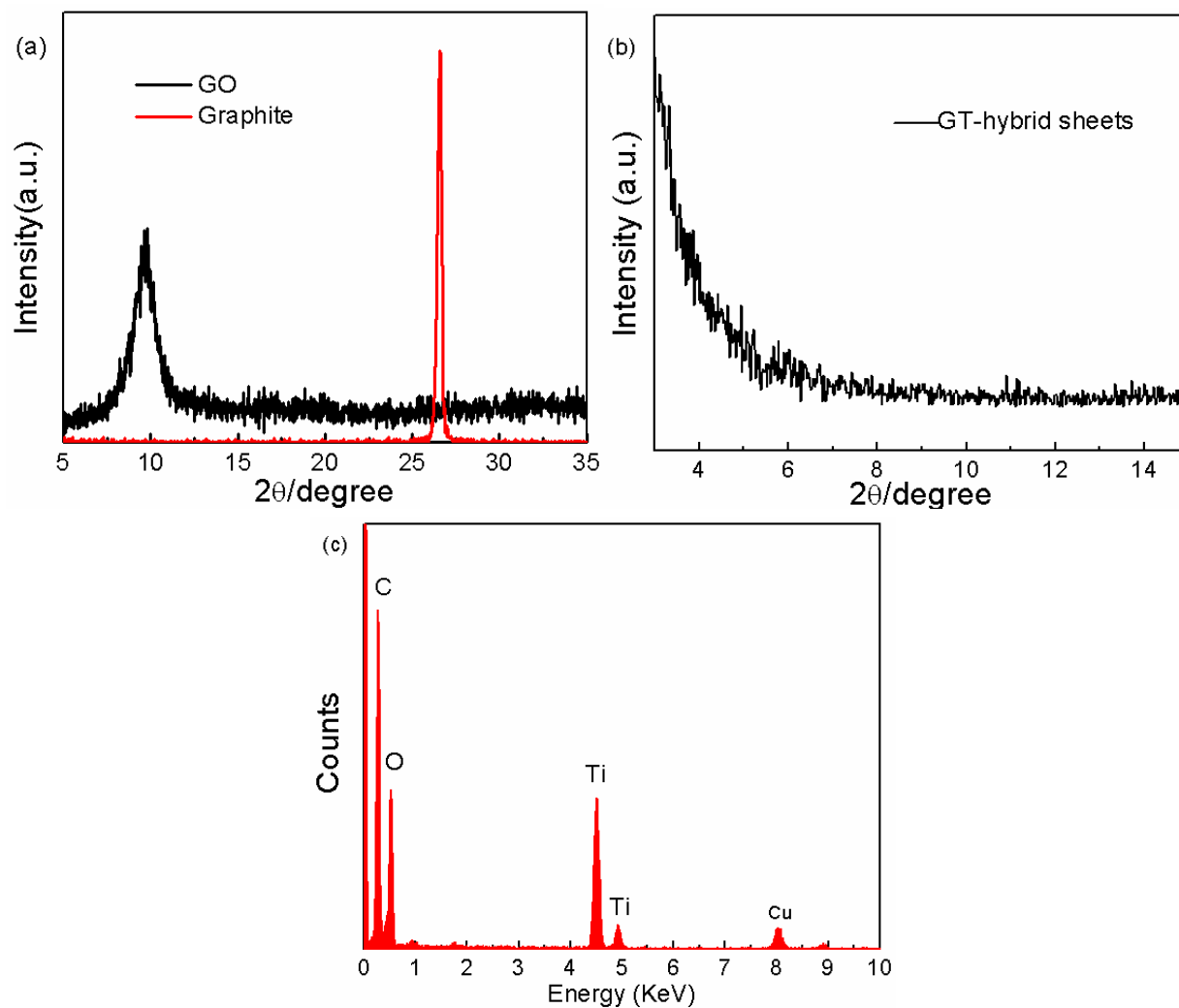
E-mail address: xyhuang@sjtu.edu.cn, pkjiang@sjtu.edu.cn



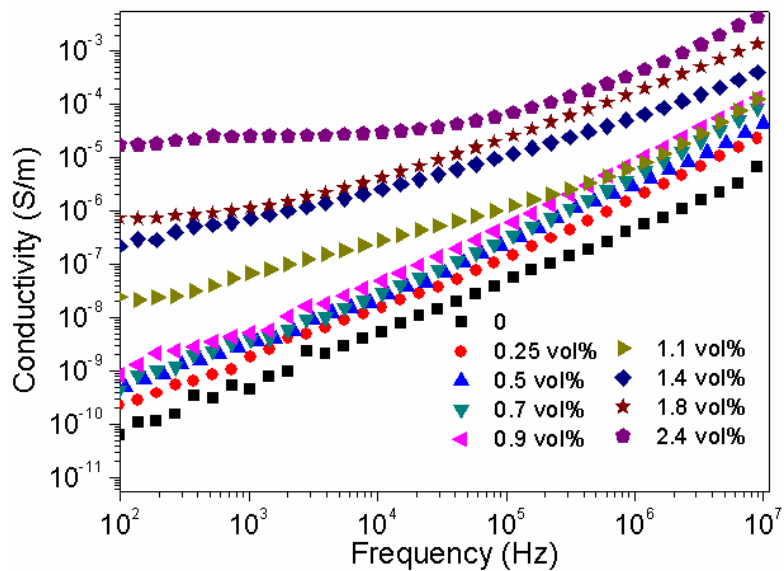
**Figure S1.** Representative TEM image of the GO



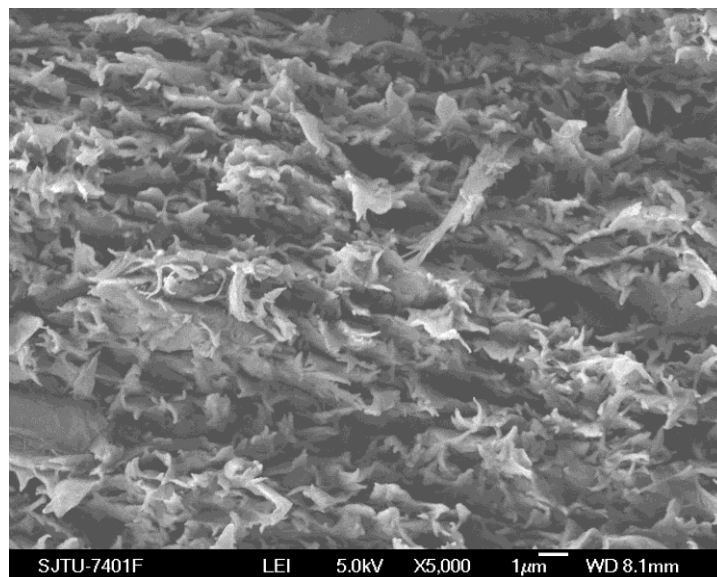
**Figure S2.** High resolution TEM of GT-hybrid sheets



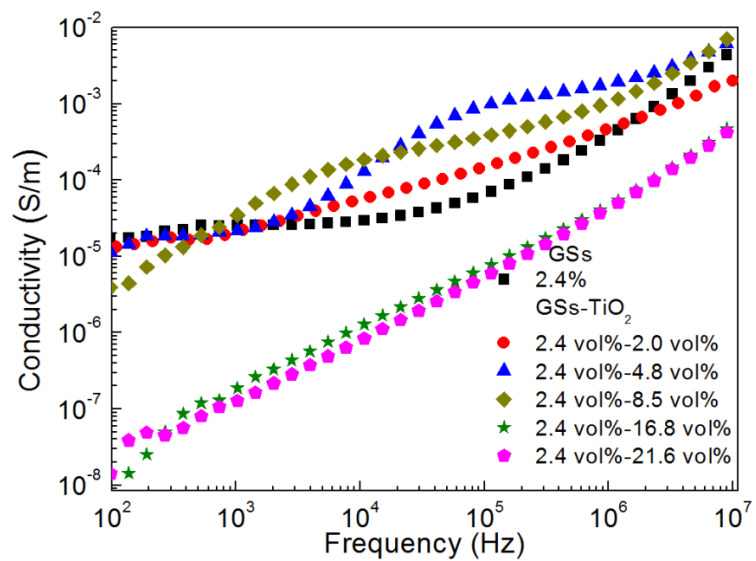
**Figure S3.** a) XRD patterns of GO and Graphite, b) XRD pattern, and c) EDX spectrum of GT-hybrid sheets.



**Figure S4.** Frequency dependence of ac conductivity of the GS/PS composites.



**Figure S5.** A typical SEM image of fractured surface of the PS composite with 10.9 vol% GT-hybrid sheet.



**Figure S6.** Frequency dependence of ac conductivity of the GT-hybrid sheet/PS composites.