Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Supporting Materials

Polypyrrole Metacomposites with Different Carbon Nano-Structures

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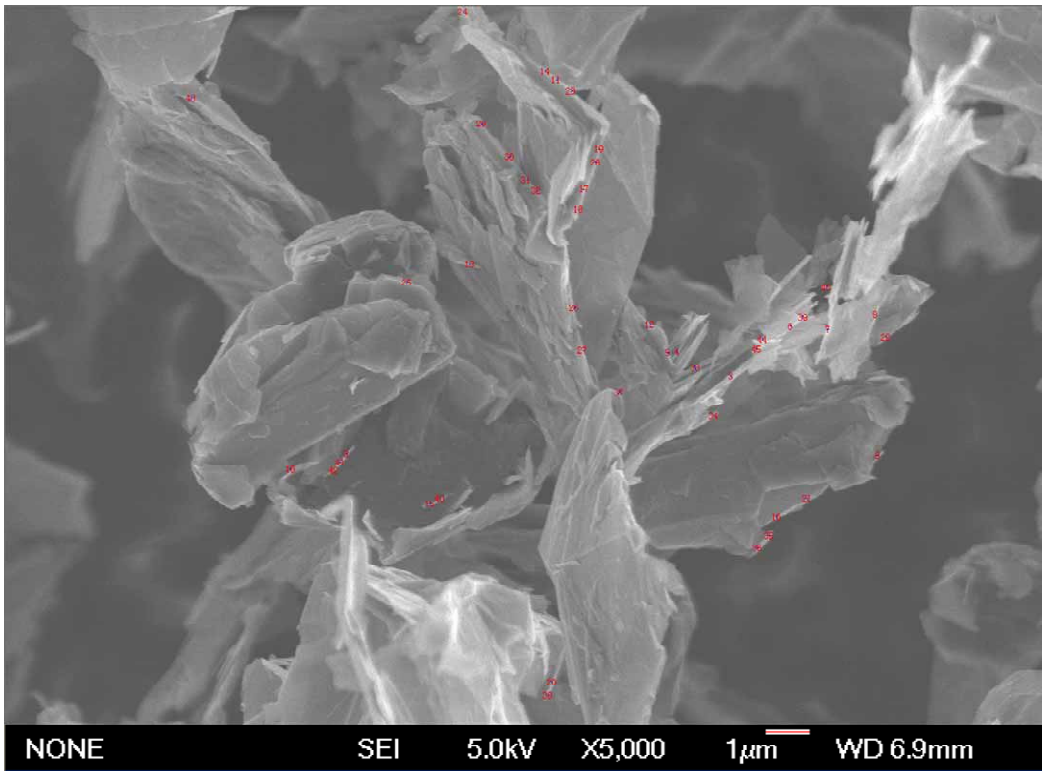

Figure S1. SEM microstructure of Gra-10. Red numbers indicates the location where the thickness measurements were taken.

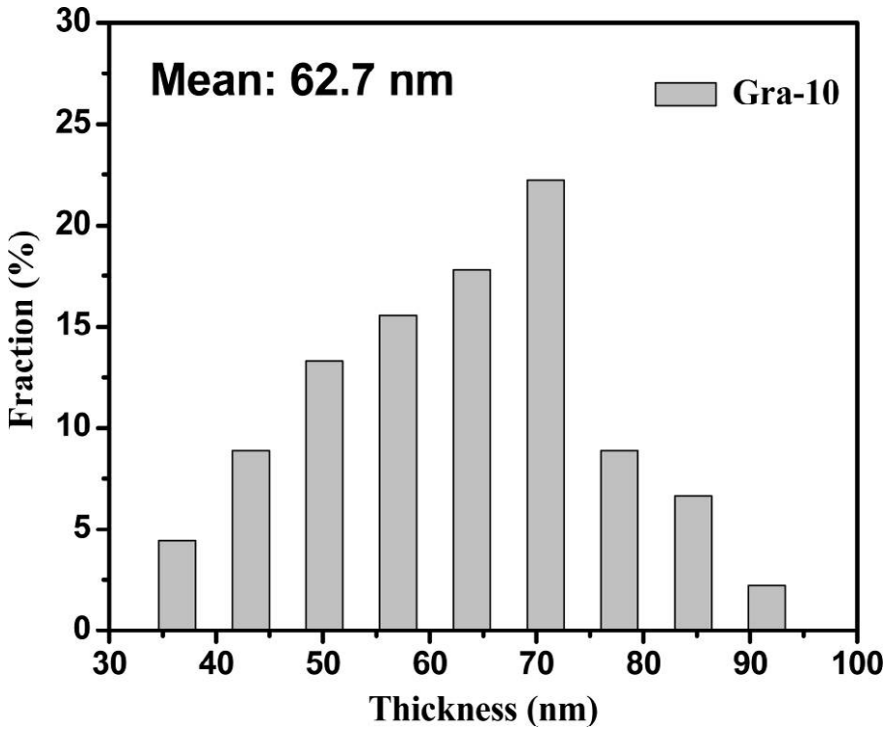

Figure S2. Gra-10 thickness distribution with a mean thickness of 62.7 nm.

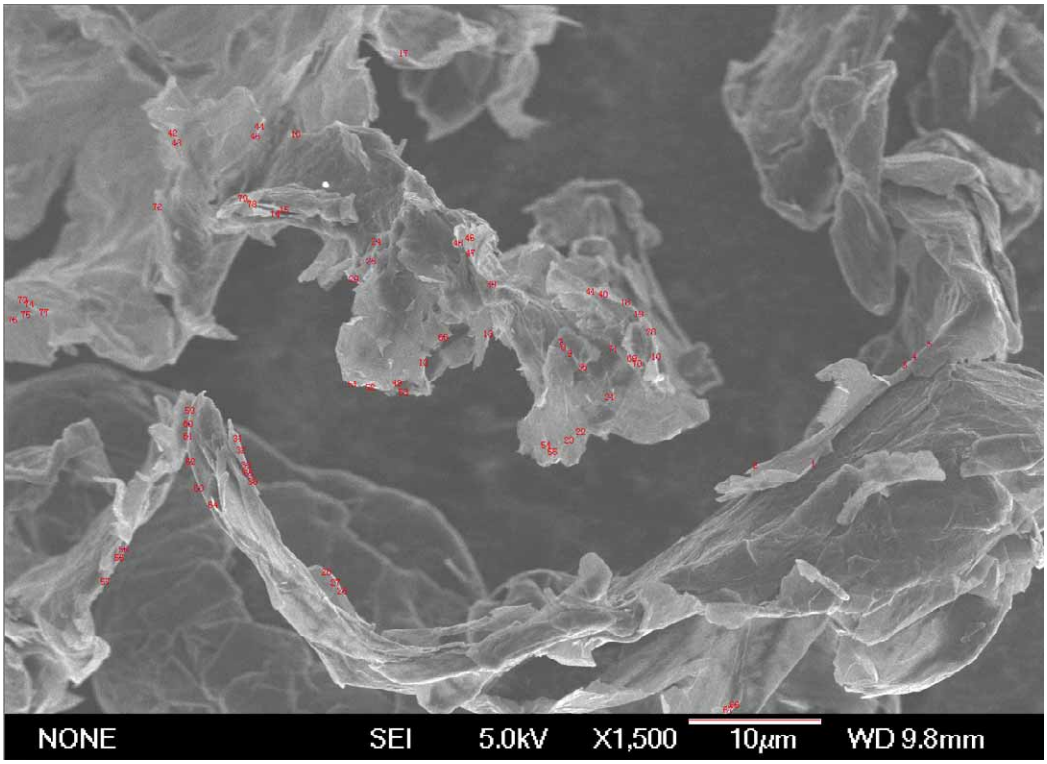

Figure S3. SEM microstructure of Gra-40. Red numbers indicates the location where the thickness measurements were taken.

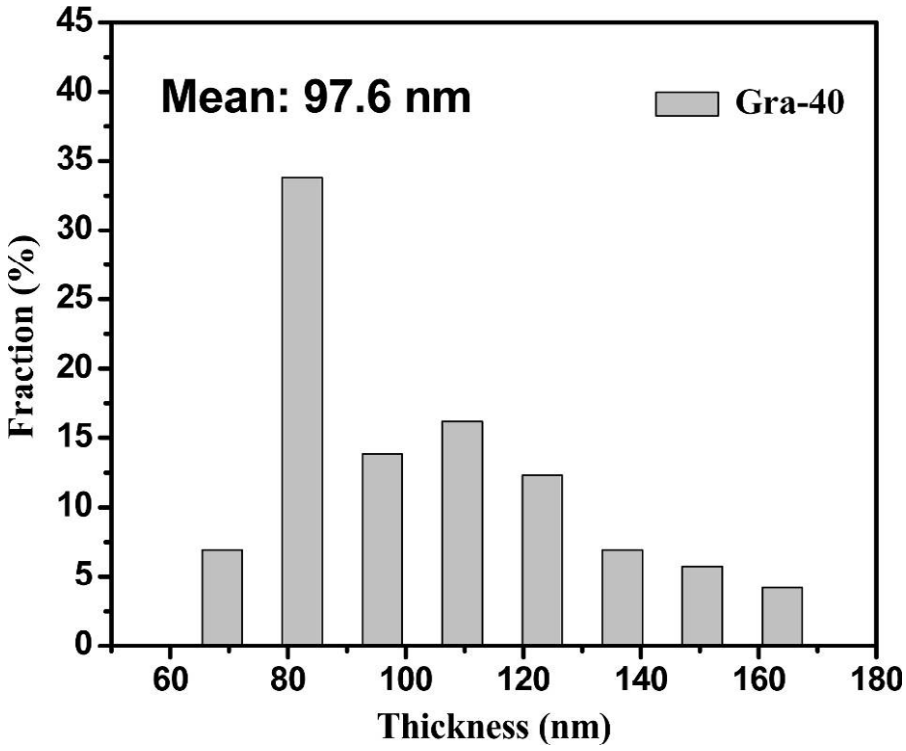

Figure S4. Gra-40 thickness distribution with a mean thickness of 97.6 nm.

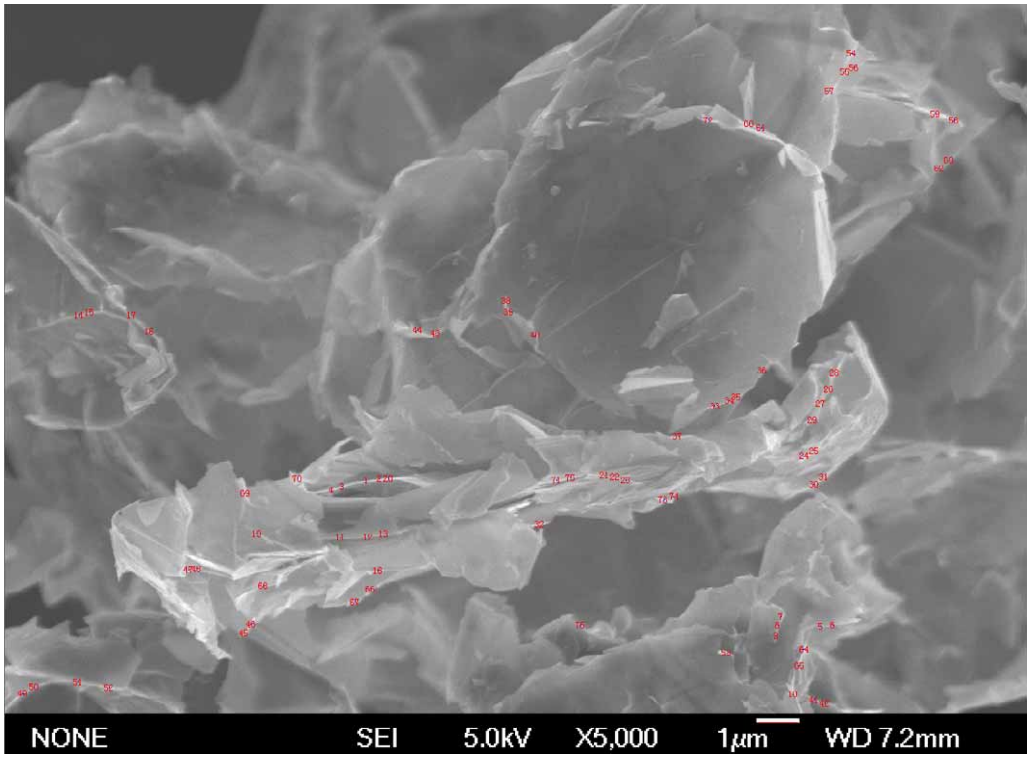

Figure S5. SEM microstructure of Gra-P. Red numbers indicates the location where the thickness measurements were taken.

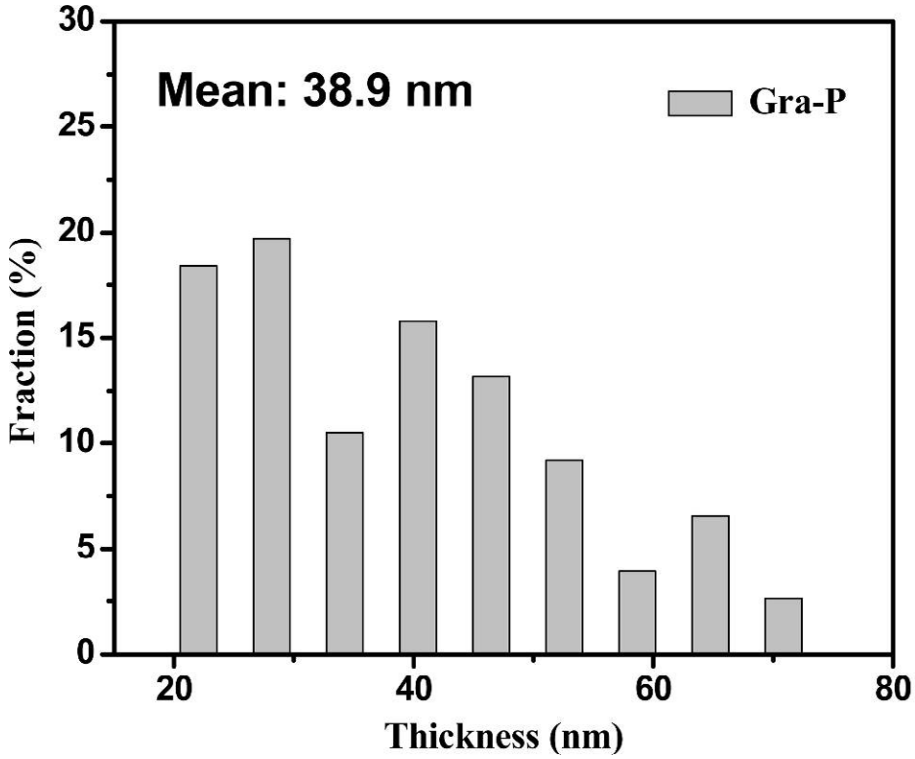

Figure S6. Gra-P thickness distribution with a mean thickness of 38.9 nm.

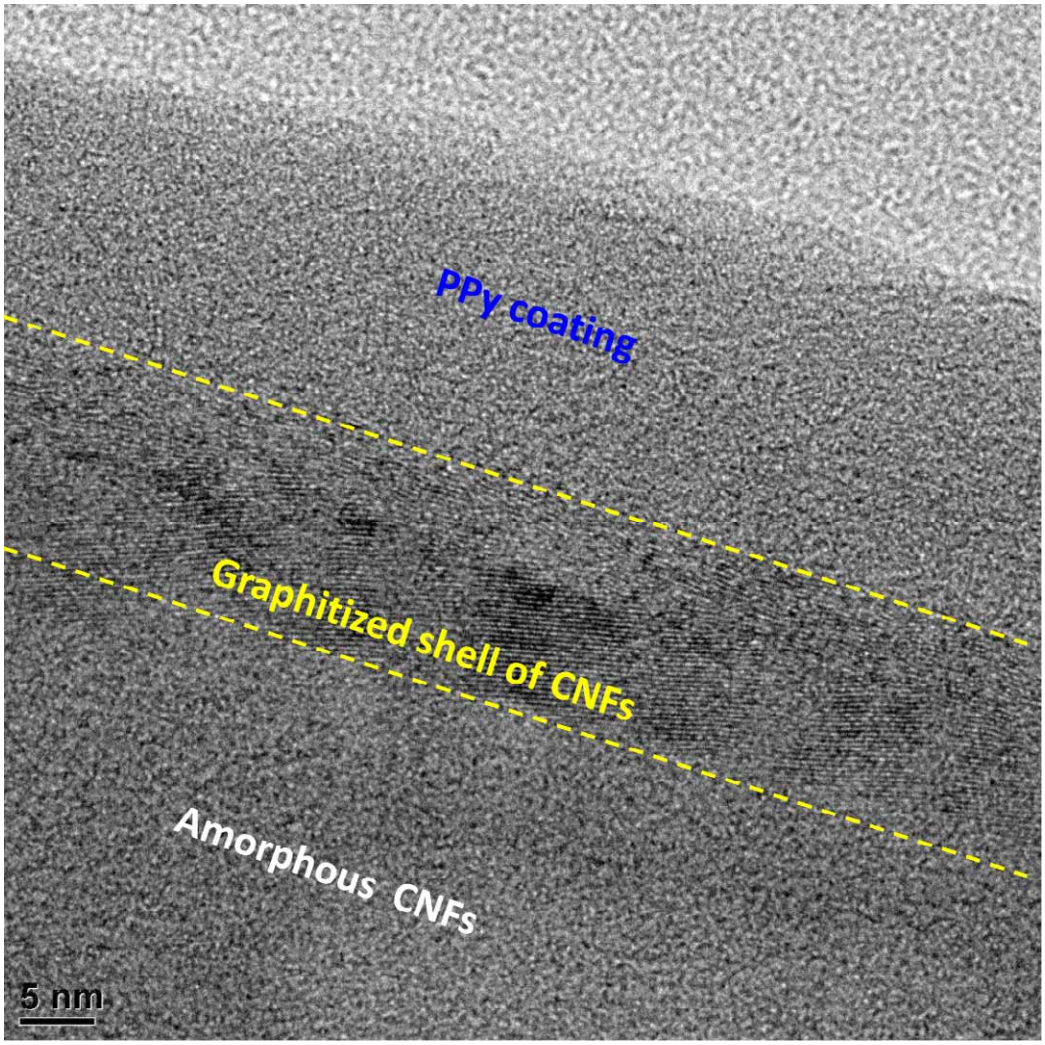

Figure S7. HRTEM of the interfacial structure of the PPy/CNFs nanocomposite. The area between the yellow dash lines indicates the graphitized carbon on the CNFs surface. The bottom part is the amorphous carbon core of the CNFs while the top part is the PPy coating layer.