

Supplementary Information

Tunable Self-Assembly Structure of Graphene Oxide/Cellulose Nanocrystal Hybrid Films Fabricated by Vacuum Filtration

Technique

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Table S1. The zeta potential of the GO/CNC solutions, which are prepared by directly dispersing GO powder into CNC solution with various pH values.

pH value	2.1	3.2	8.2	9.9	11.5
Zeta potential / mV	-30.1	-34.8	-38	-40.9	-47.1

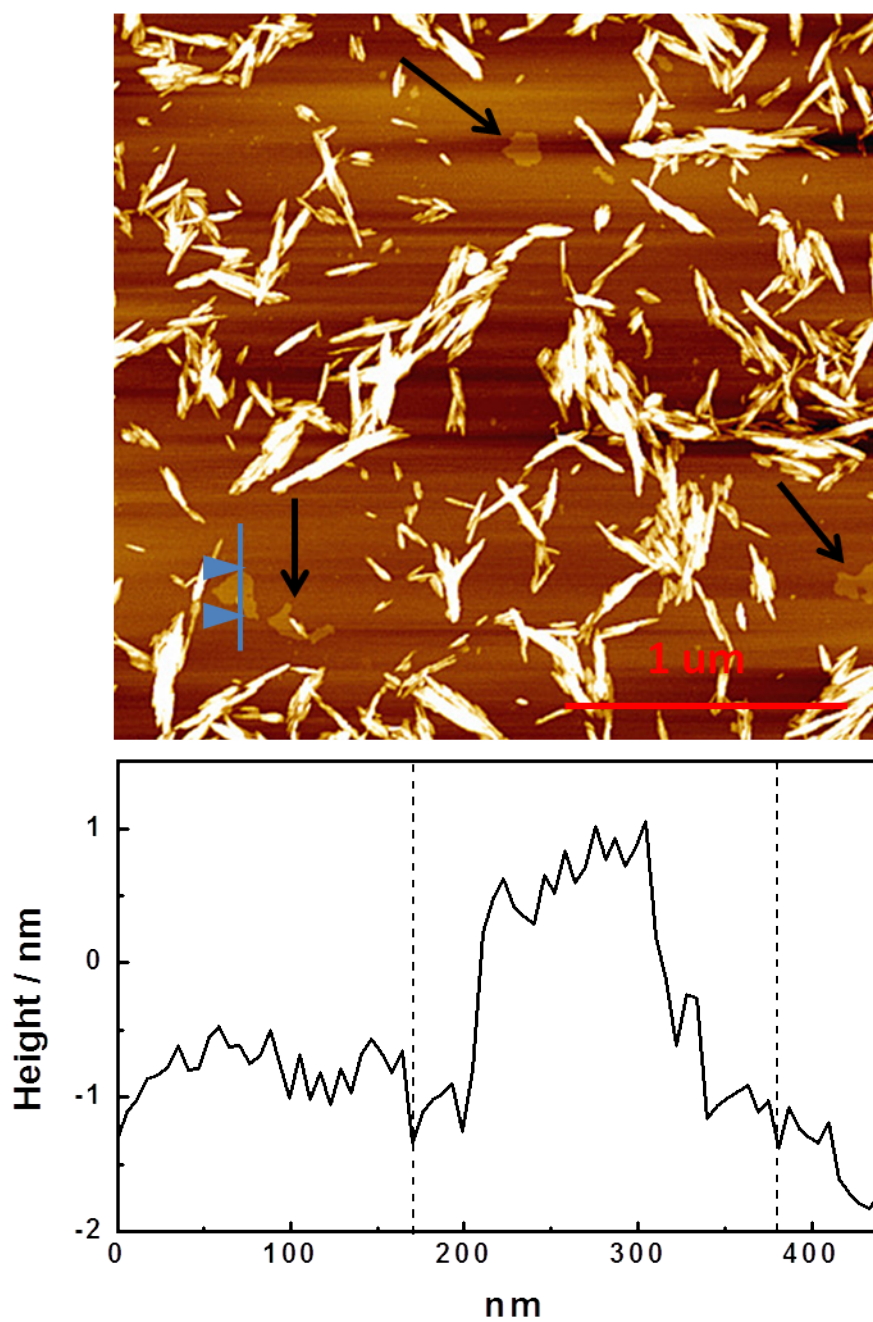


Figure S1. AFM image (top) and corresponding height profile (bottom) of GO/CNC stable solution (S1) spin-coated on a fresh mica substrate. The GO sheets are indicated by the black arrow.

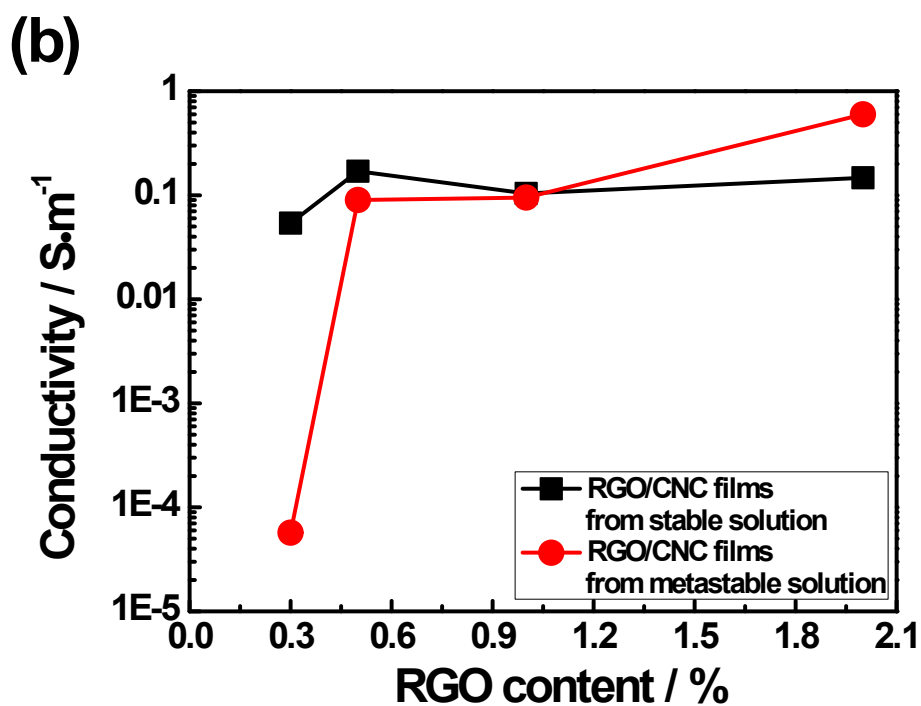
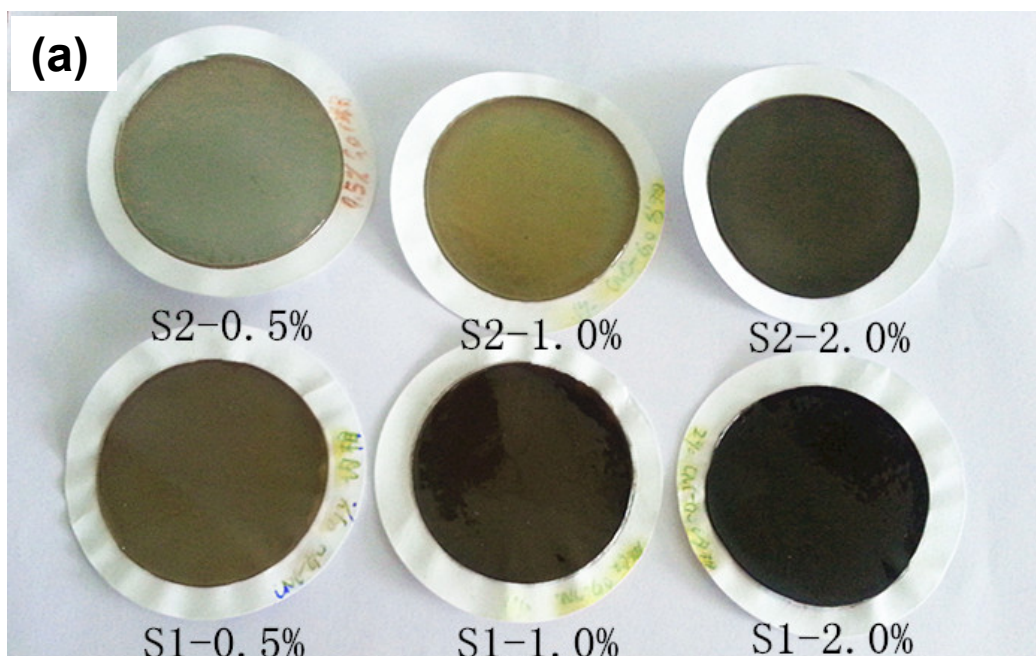


Figure S2. Effect of RGO content on optical (a) and conductivity (b) properties of the RGO/CNC films prepared from stable solution (the samples are denoted as S1-0.5%, S1-1% and S1-2%) and metastable solution (the samples are denoted as S2-0.5%, S2-

1% and S2-2%).