

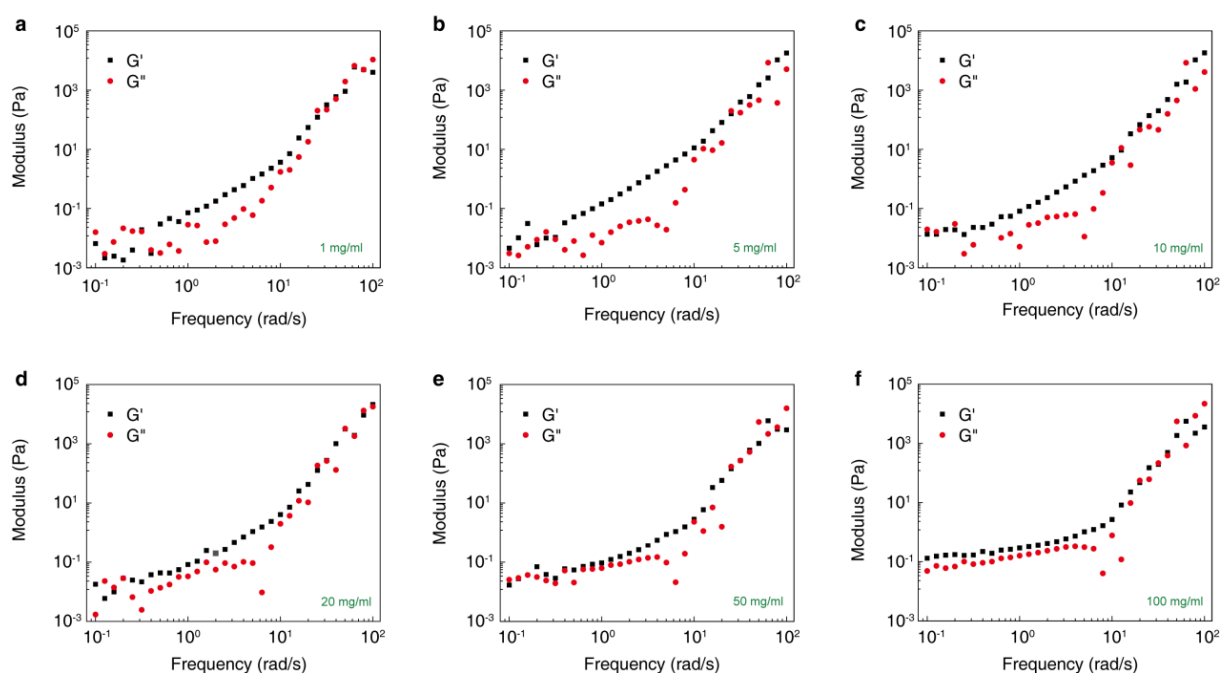
## Supporting Information

# Inkjet Printing of Long-Range Ordering Two-Dimensional Magnetic $\text{Ti}_{0.8}\text{Co}_{0.2}\text{O}_2$ Film

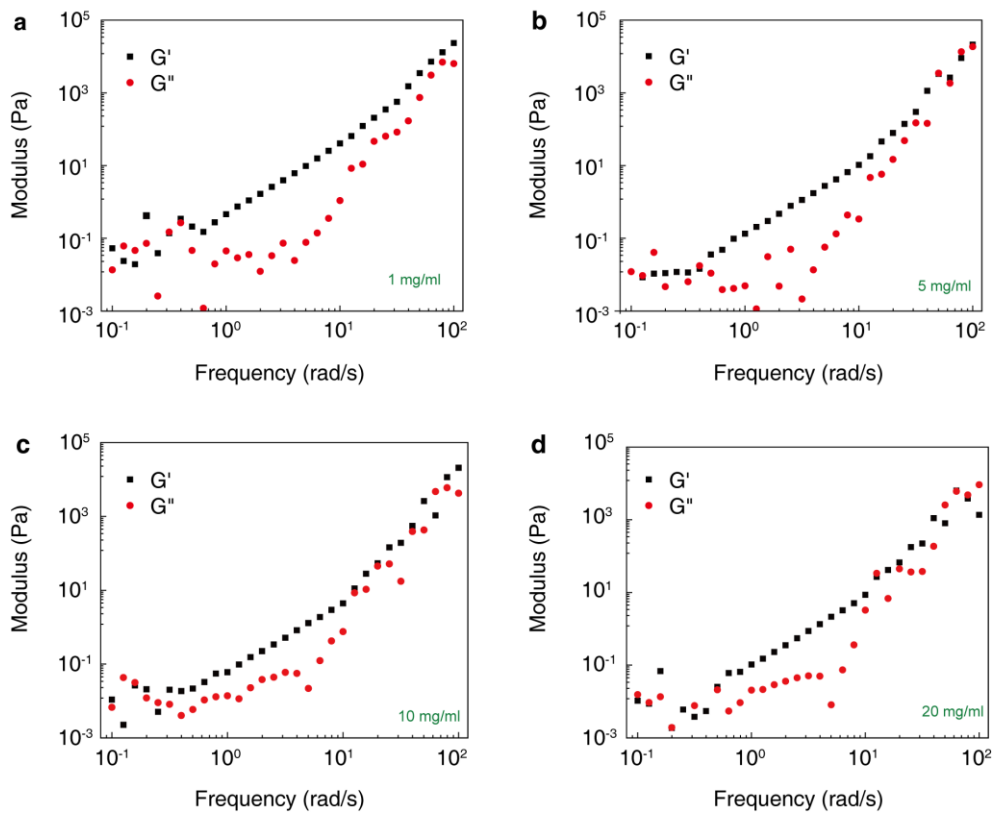
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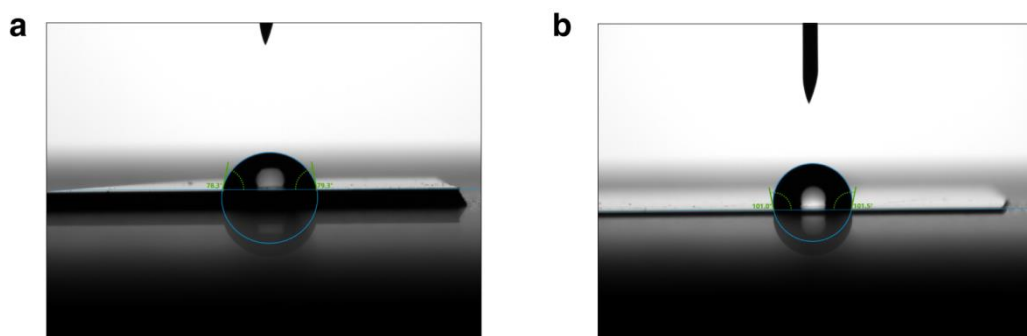
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**Figure S1.** Elastic( $G'$ ) and viscous( $G''$ ) moduli of small-sized  $\text{Ti}_{0.8}\text{Co}_{0.2}\text{O}_2$  nanosheet ink with different concentrations as a function of frequency. (a) 1 mg/mL, (b) 5 mg/mL, (c) 10 mg/mL, (d) 20 mg/mL, (e) 50 mg/mL, and (f) 100 mg/mL.



**Figure S2.** Elastic( $G'$ ) and viscous( $G''$ ) moduli of large-sized  $\text{Ti}_{0.8}\text{Co}_{0.2}\text{O}_2$  nanosheet ink with different concentrations as a function of frequency. (a) 1 mg/mL, (b) 5 mg/mL, (c) 10 mg/mL, and (d) 20 mg/mL.



**Figure S3.** Contact angle of aqueous solution on (a)  $\text{SiO}_2$  and (b) PET substrate.