Supporting Information

Carbon Nitride Nanosheet/Metal-Organic Framework Nanocomposites with Synergistic Photocatalytic Activities

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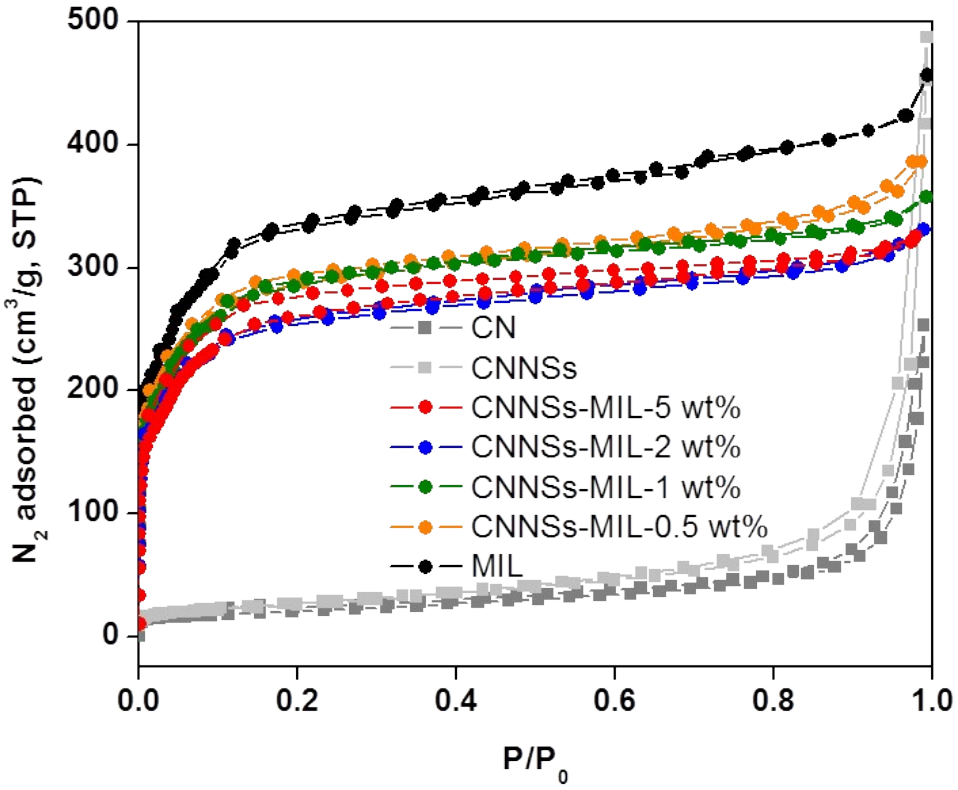


Figure S1. N_2 isotherms of CN, CNNSs, MIL-100(Fe) and the nanocomposites of CNNSs and MIL-100(Fe) with varying contents of CNNSs. The isotherms were obtained at -196 ^{o}C.

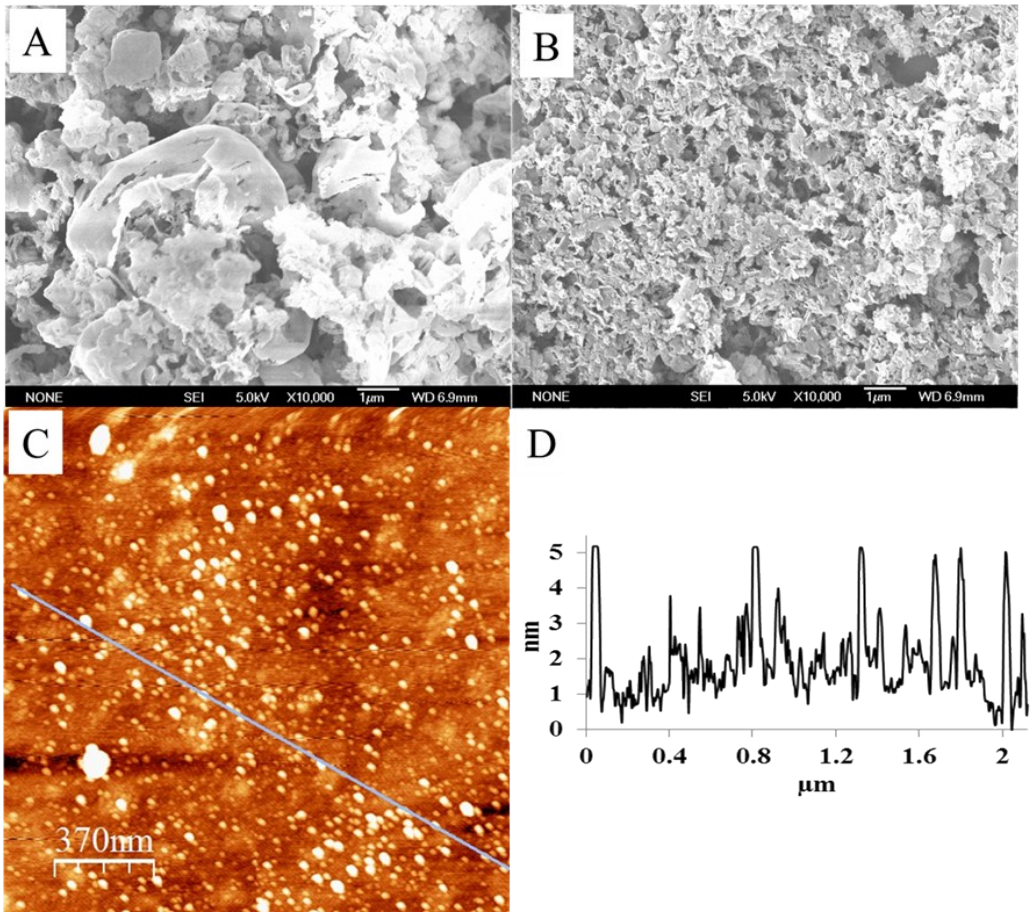
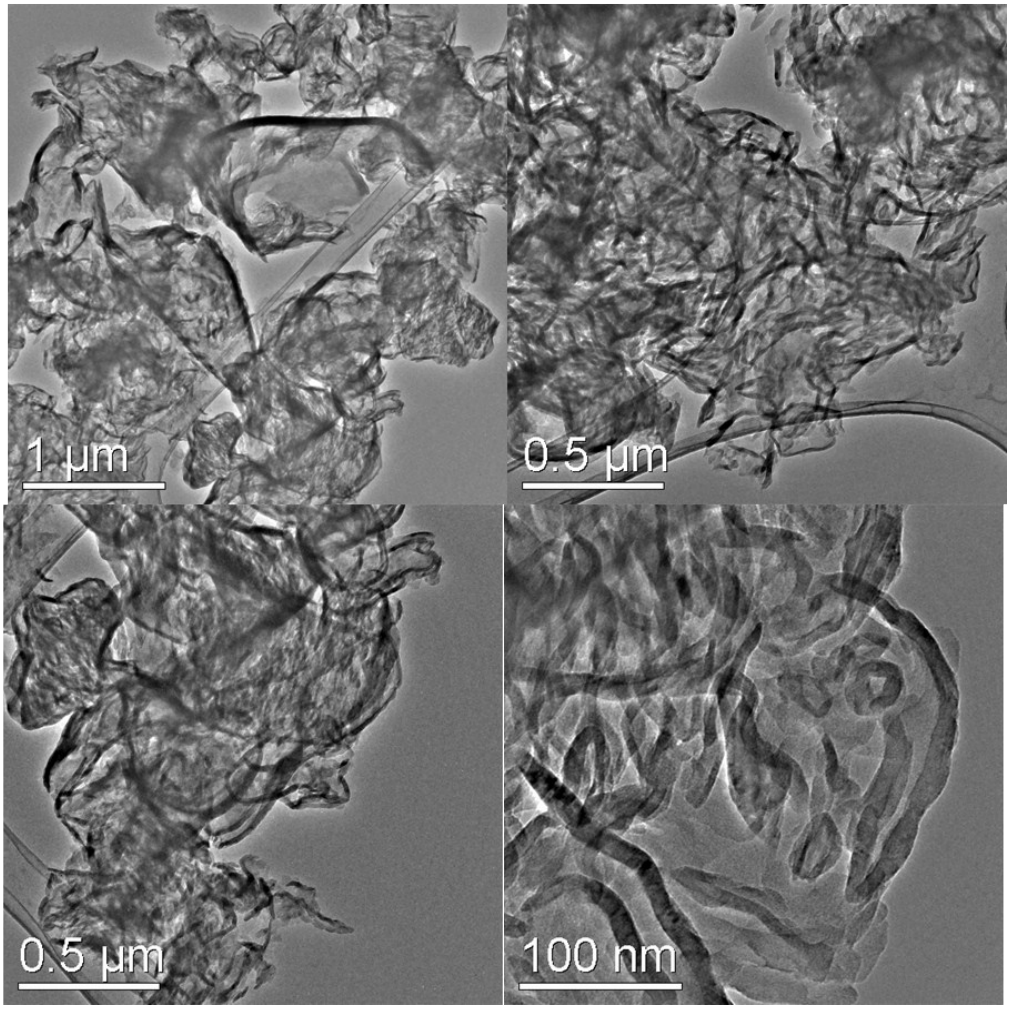
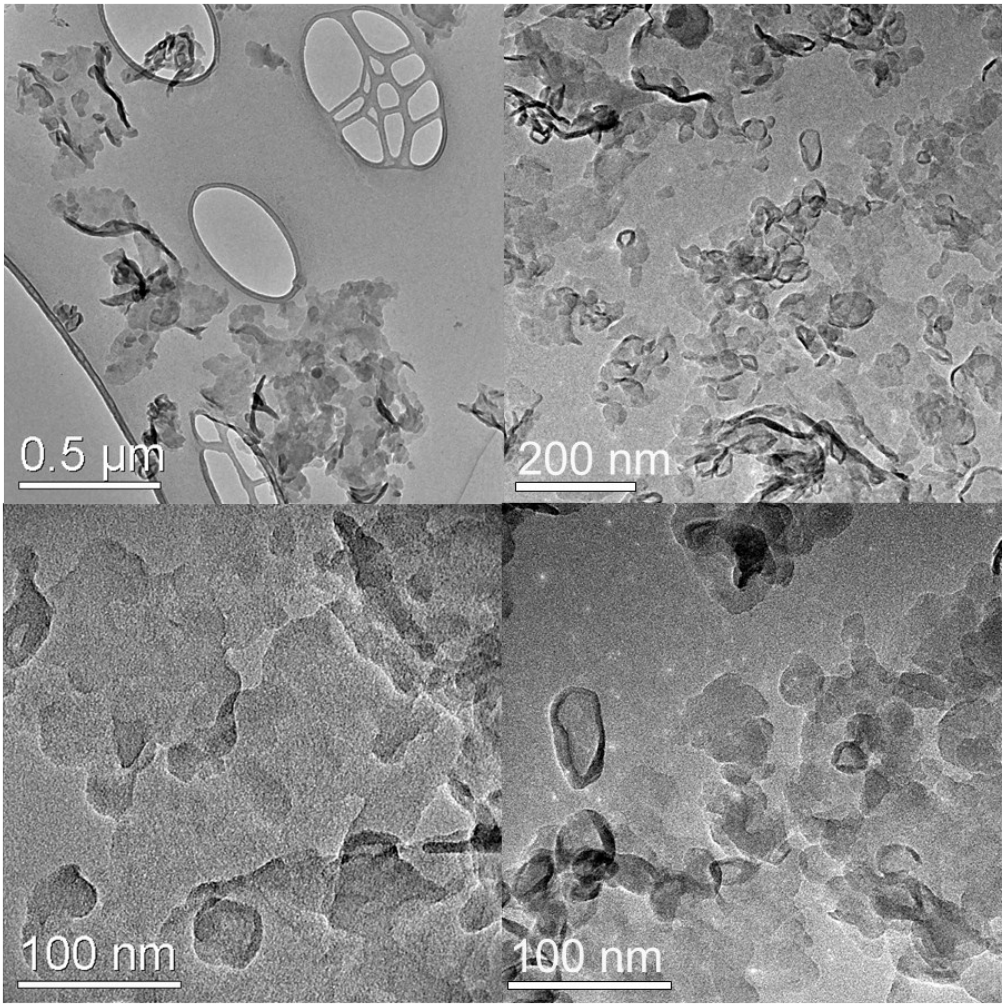


Figure S2. SEM images of: (A) carbon nitride and (B) CNNSs; (C) AFM image of CNNSs and (D) height profile of CNNSs.

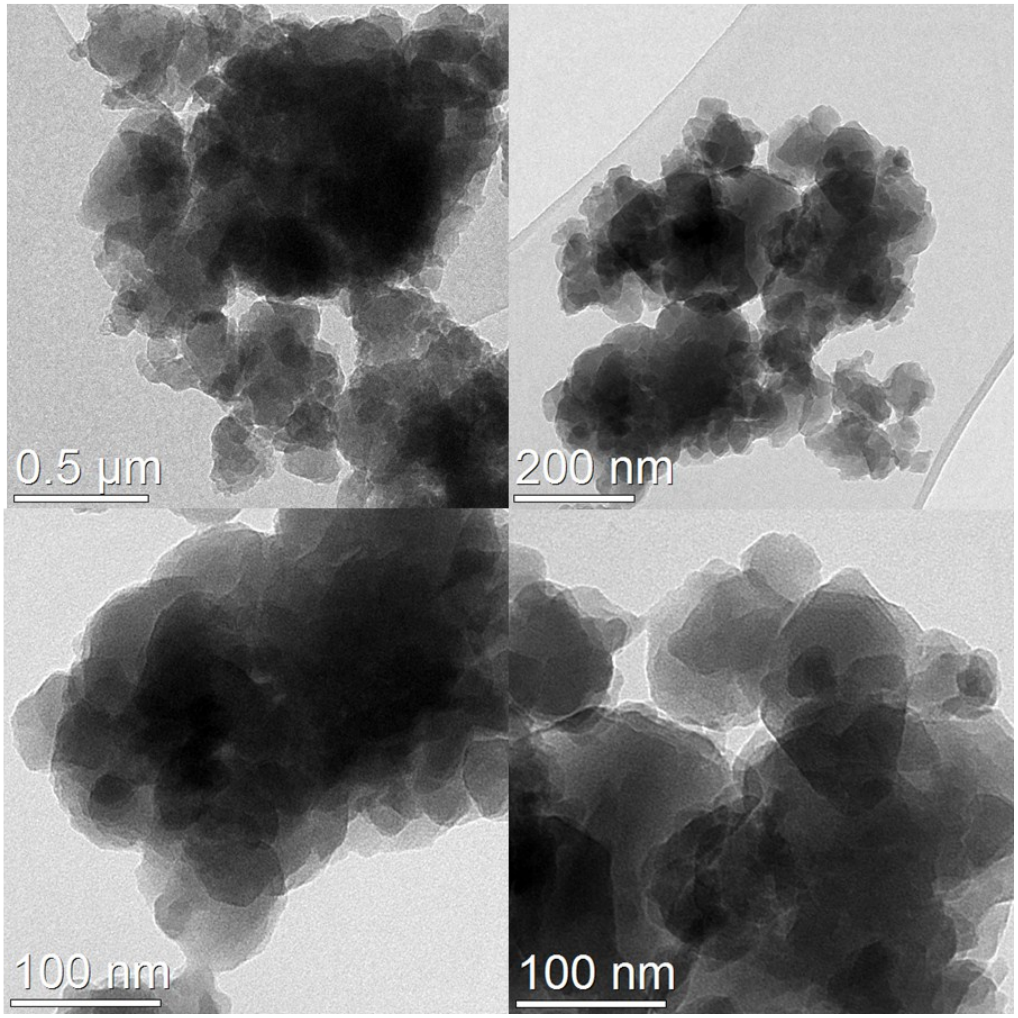
A



B



C



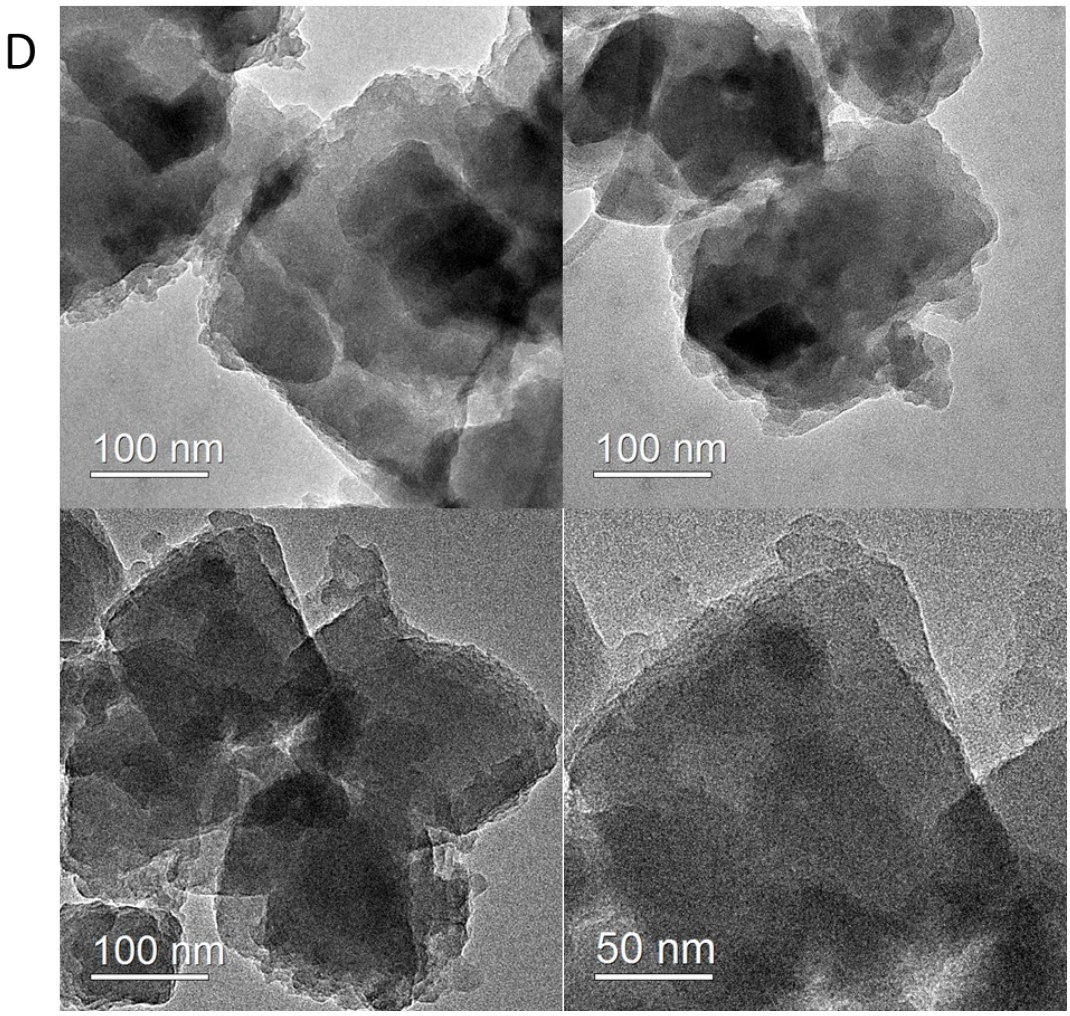


Figure S3. TEM images of: (A) CN, (B) CNNSs, (C) MIL and (D) CNNSs-MIL-1 wt%.

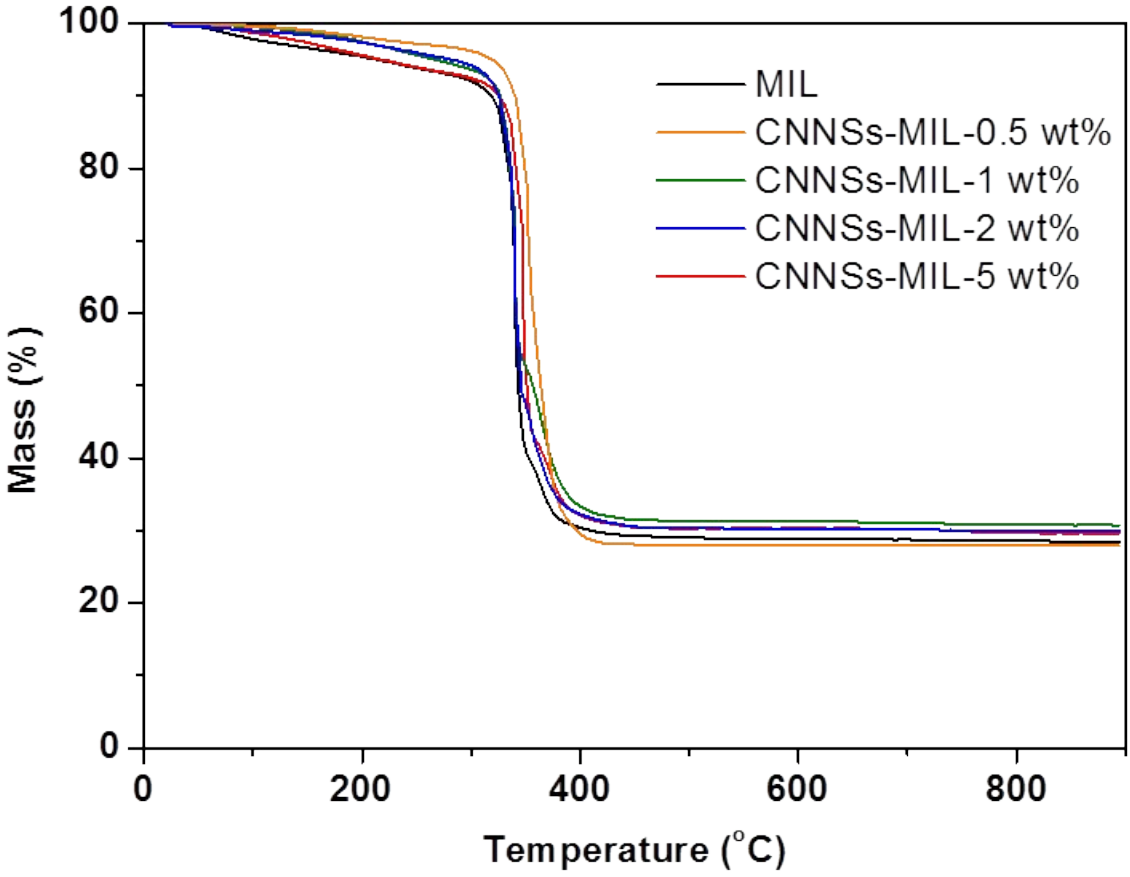


Figure S4. Thermogravinetric curves of MIL-100(Fe) and the nanocomposites of CNNSs and MIL-100(Fe) with varying contents of CNNSs.

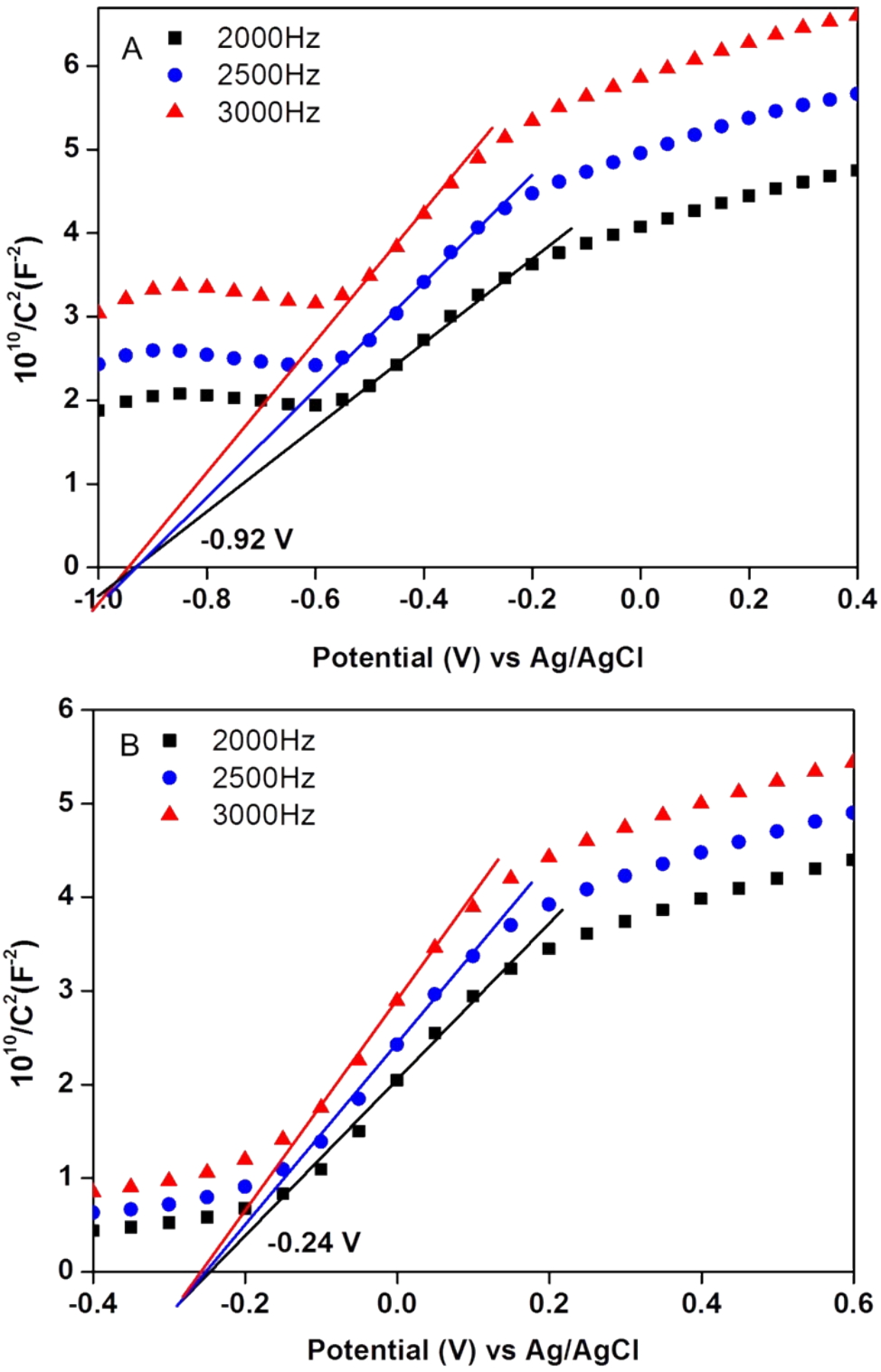


Figure S5. Mott-Schottky plots of (A) CNNSs and (B) MIL-100(Fe) in 0.2 M Na_2SO_4 aqueous solution (pH = 7).