## **Supporting Information**

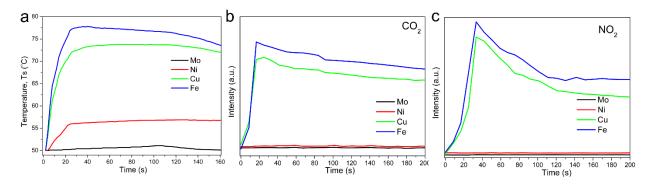
## Tuning Thermal and Graphitization Behaviors of Lignin via Complexation with Transition Metal Ions for the Synthesis of Multilayer Graphene-based Materials

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Number of figures: 3



**Figure S1**. Temperature profiles and gaseous byproducts generated during the M-Lignin complex preparation processes.

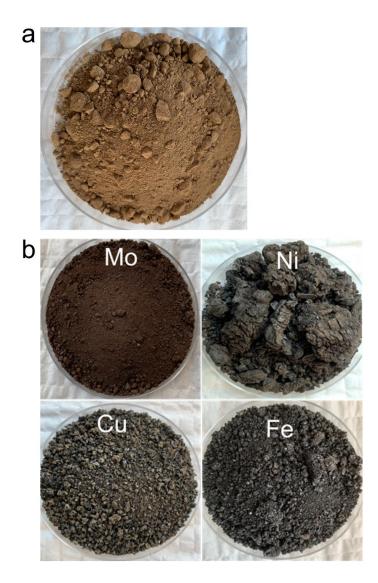


Figure S2. Photos of (a) kraft lignin and (b) M-Lignin complexes.

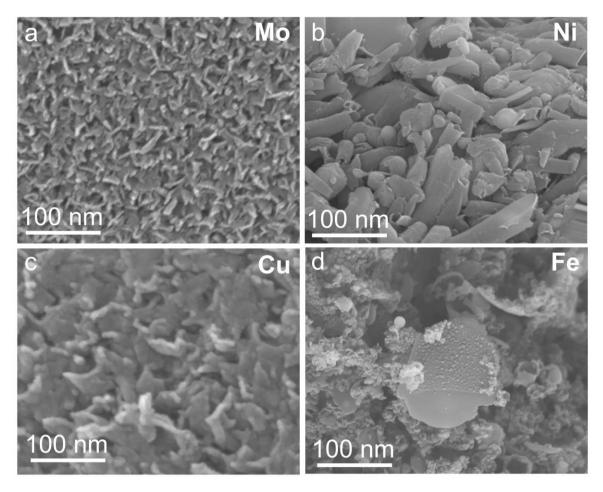


Figure S3. SEM images of microstructure of the products resulting from MCW.