

Electronnic Supplementary Material

WO₃-EDA hybrid nanoplates and nanowires: Synthesis, characterization, thermal decomposition and application as catalyst

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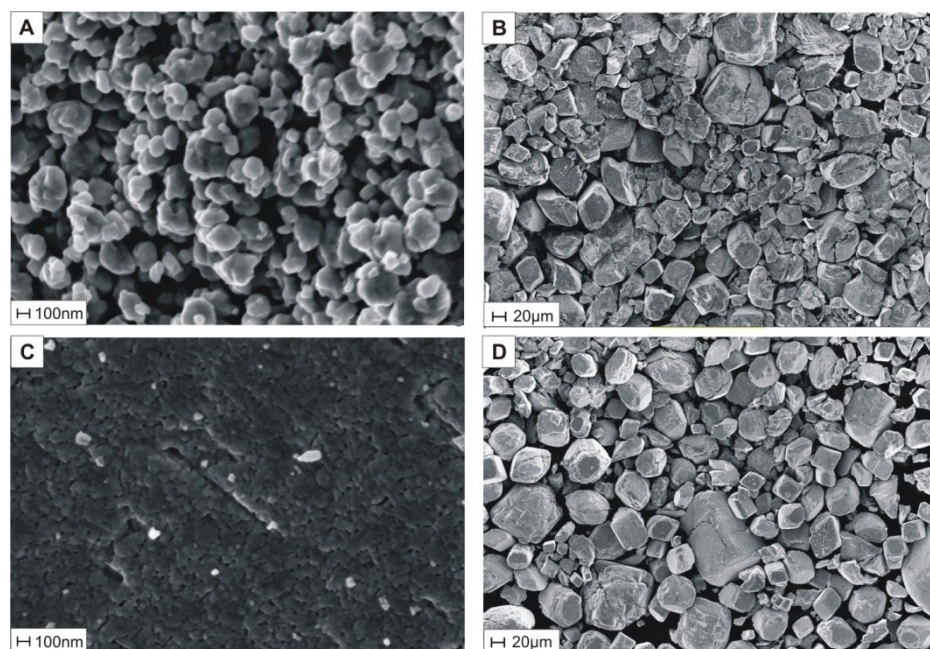


Figure S1. SEM images of the WO₃ precursors produced from APT (a-b) and HATB (c-d).

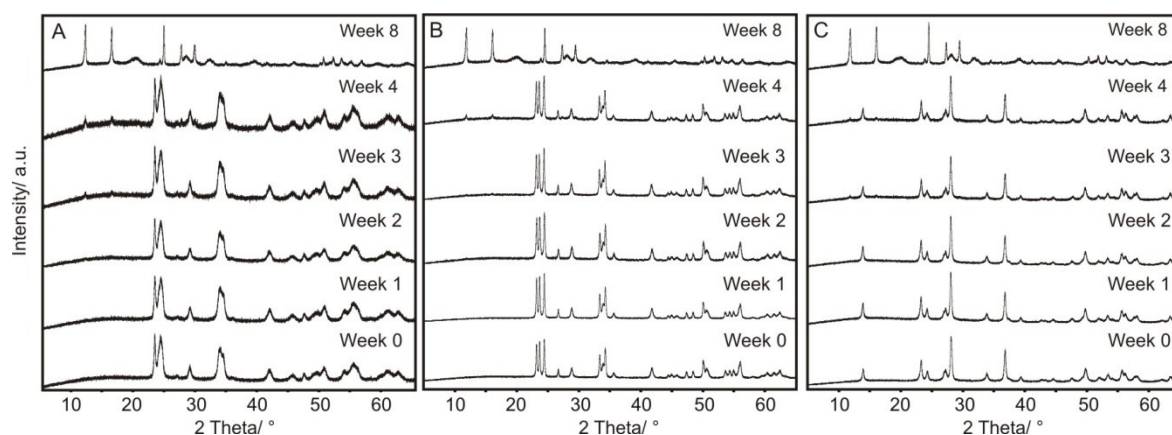


Figure S2. XRD patterns of intermediate samples obtained from precursor **2** (a), **3** (b) and **4** (c) at different reaction times.

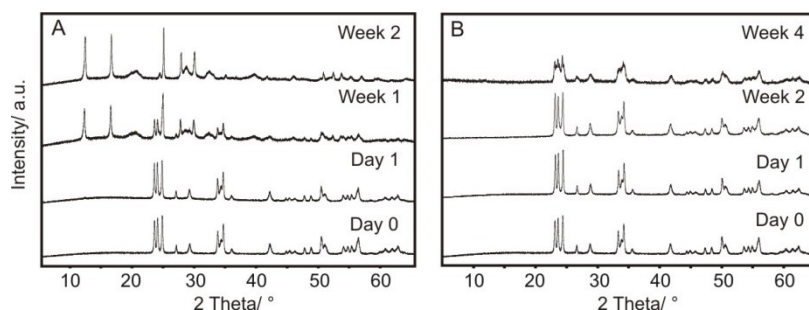


Figure S3. XRD patterns of intermediate samples obtained from the reaction in the presence (a) and absence (b) of H_2O vapor at different reaction times.

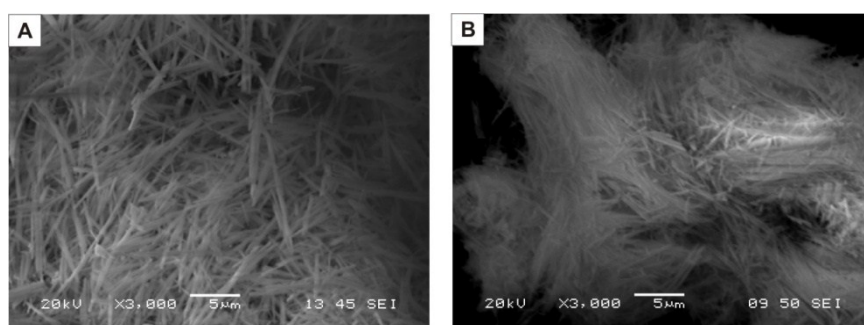


Figure S4. SEM images of the WO_3 -EDA hybrid, obtained from the wet chemical process using ethanol (a) and acetone (b) solvents.

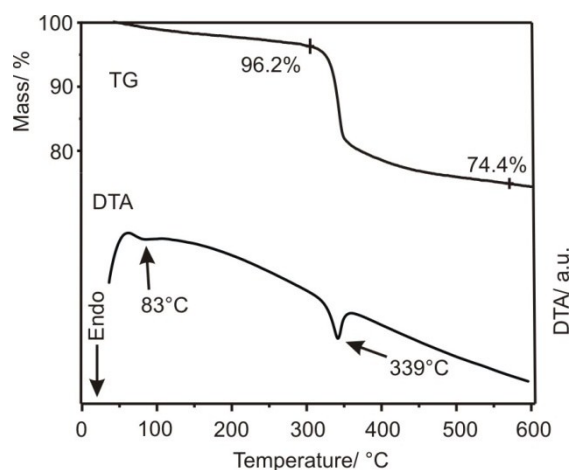


Figure S5. TG/DTA curves of the WO_3 -EDA hybrid obtained from the solid-gas phase reaction in nitrogen.

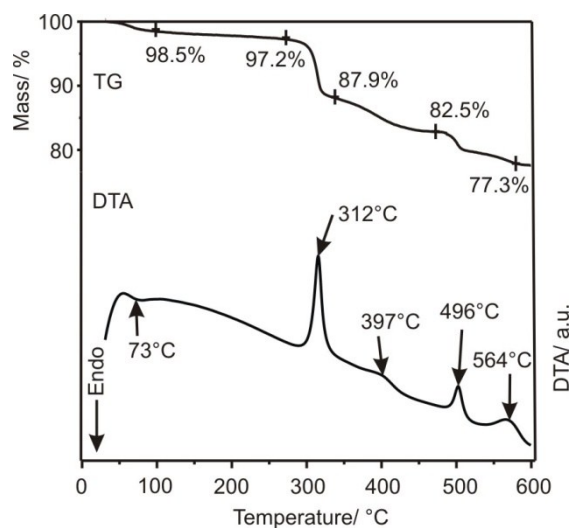


Figure S6. TG/DTA curves of the WO_3 -EDA hybrid obtained from the solid-gas phase reaction in air.

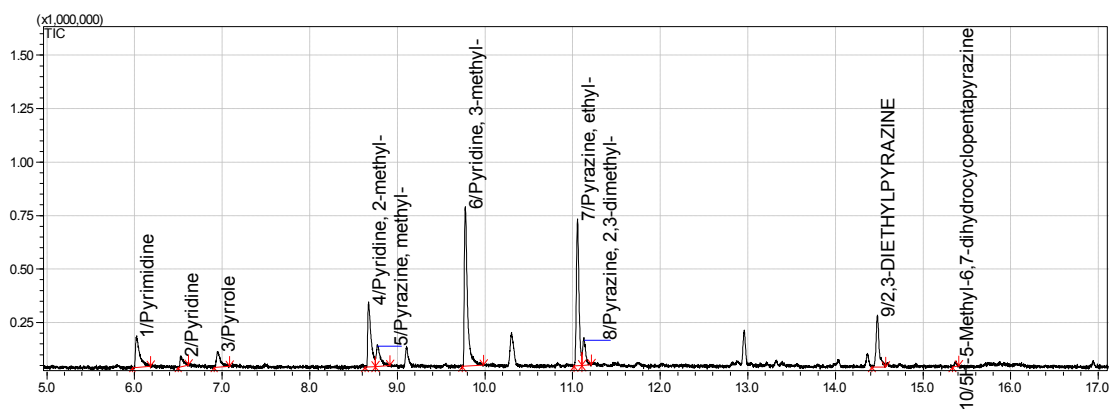


Figure S7. GC-MS results of the evolved gases in nitrogen.

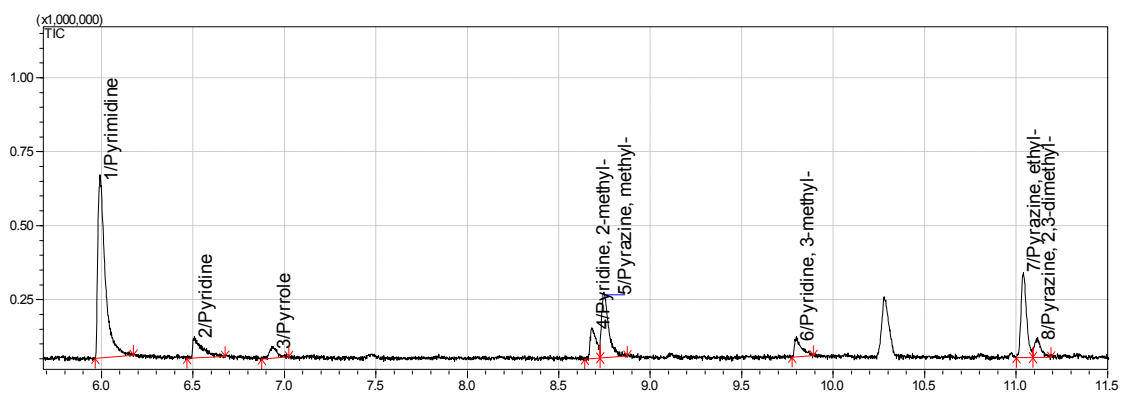


Figure S8. GC-MS results of the evolved gases in air.

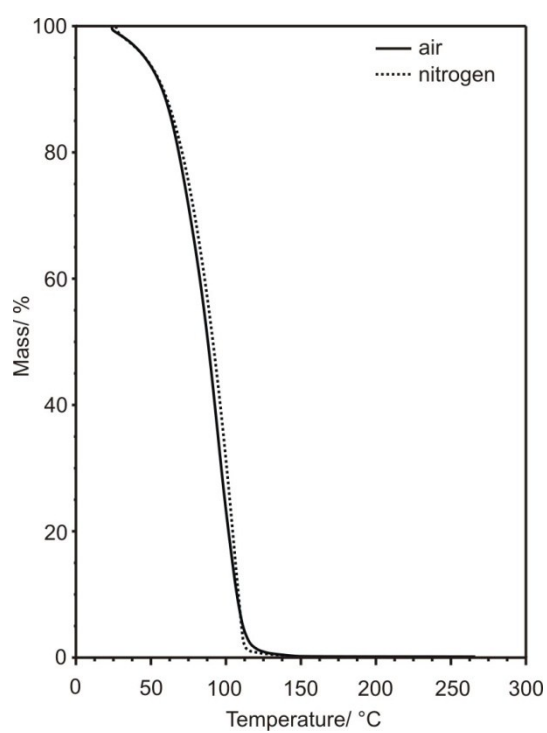


Figure S9. TG curves of EDA in air and nitrogen.