

Supplementary Material

Phthalocyanines and Porphyrins/Polyaniline Composites (PANI/CuPctBu and PANI/TPPH₂) as Sensing Materials for Ammonia Detection

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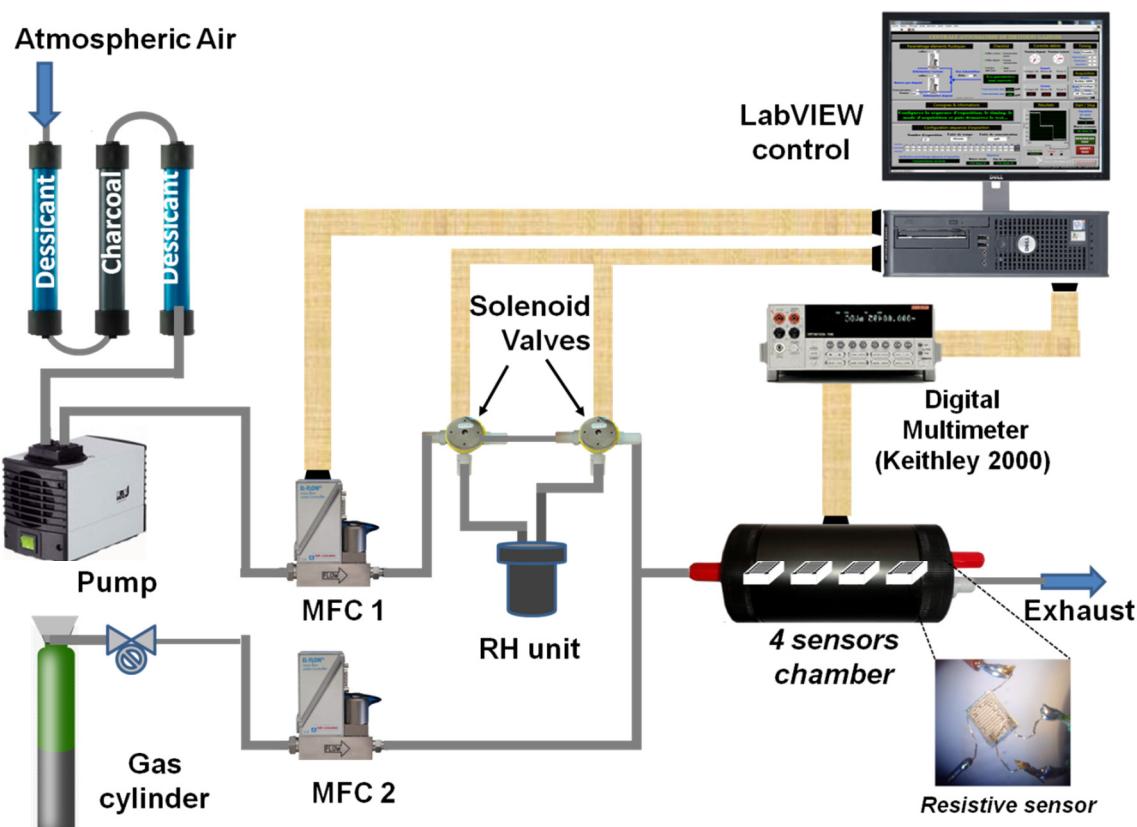


Figure S1. Experimental test bench used for the ammonia sensing experiment.

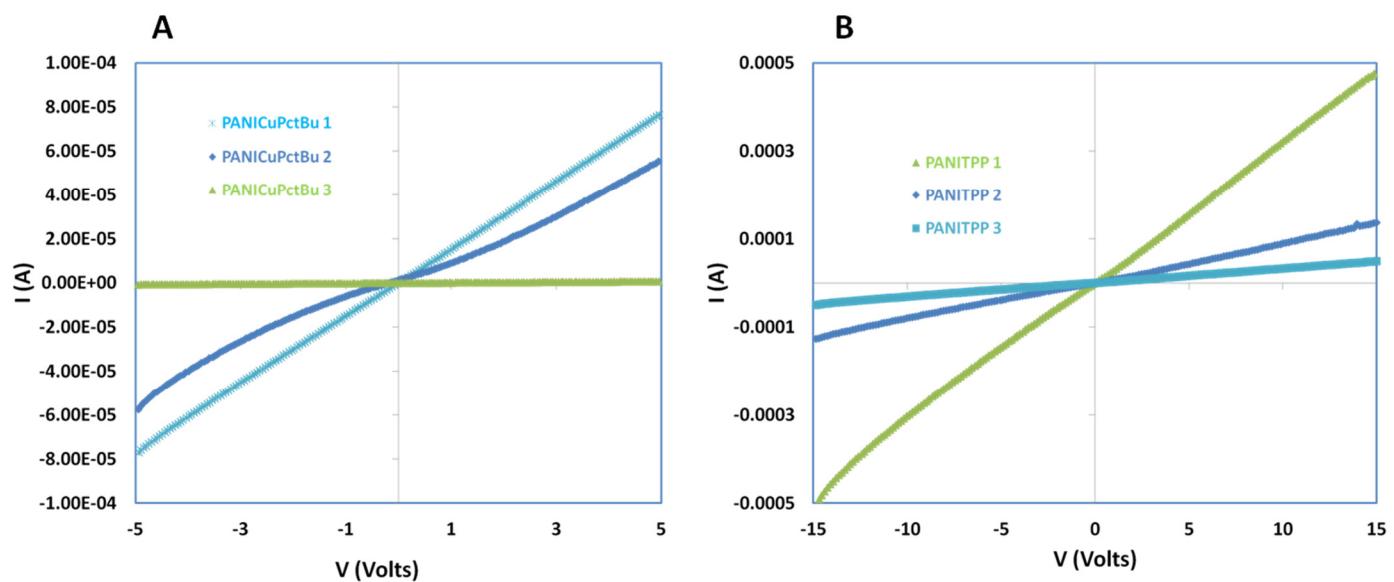


Figure S2. Current-voltage characteristics of the PANI/MCs composites at different MCs concentration and different voltage ranges.

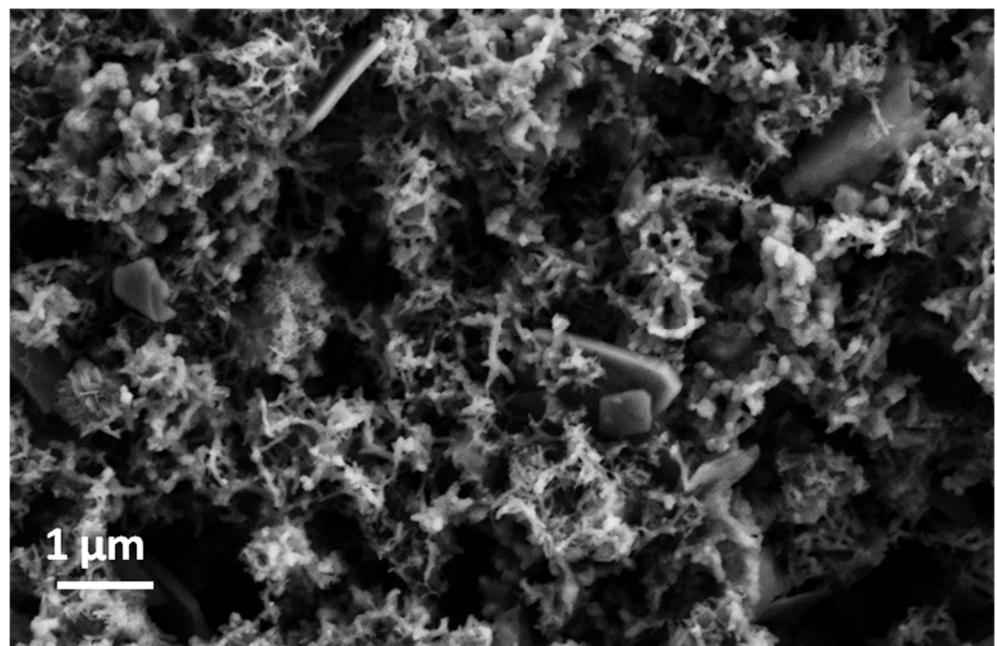


Figure S3. SEM image of the PANI/TTPH₂ showing some aggregates of TPPH₂.

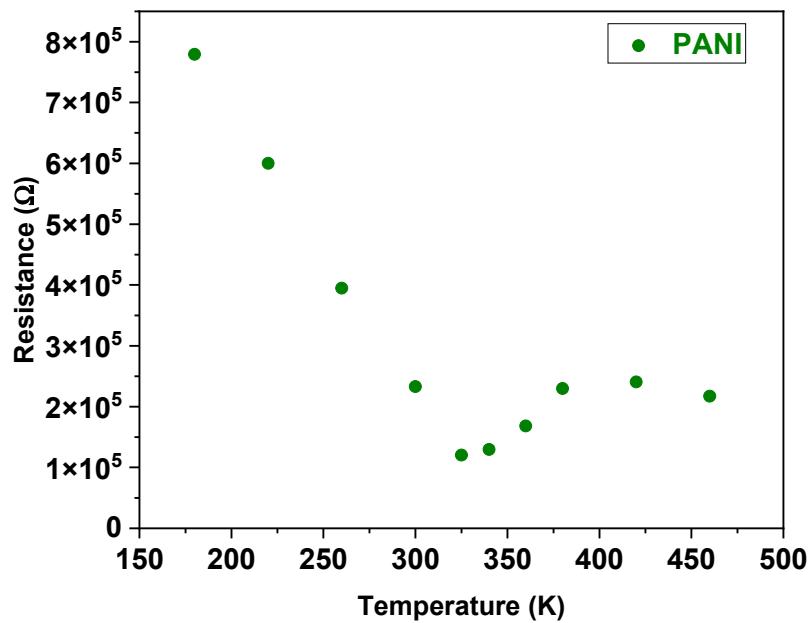


Figure S4. Temperature-dependent resistance variation for PANI. Resistance are calculated from current-voltage measurement at the given temperature.

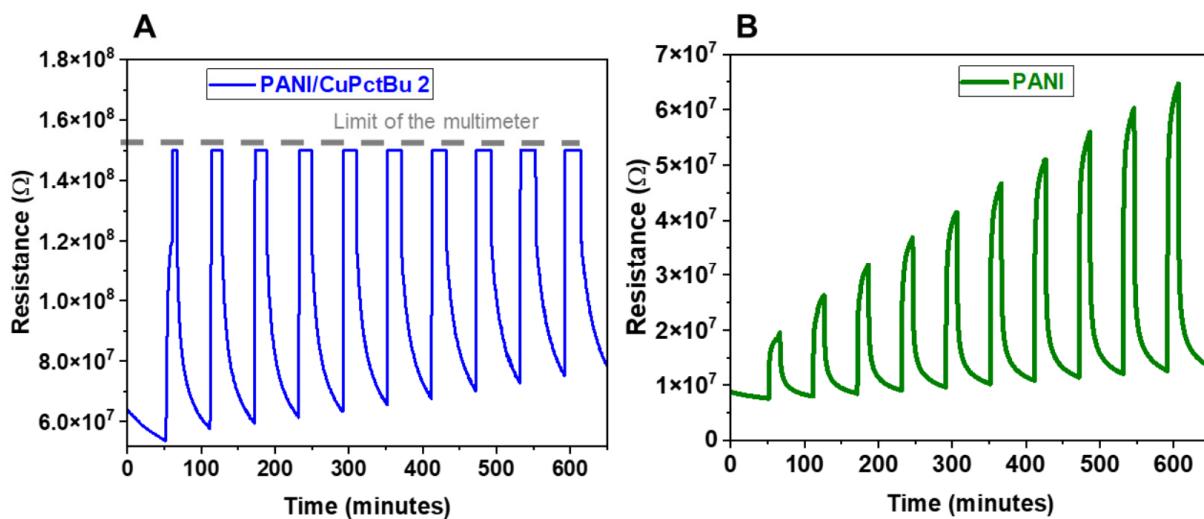


Figure S5. Sensor response of: (A) PANI/CuPctBu (recorded after the first exposure cycles) and PANI (B) exposed to 50–500 ppm ammonia (step of 50 ppm) at lowest humidity level (<1% RH).