

# Heterostructures Based on Cobalt Phthalocyanine Films Decorated with Gold Nanoparticles for the Detection of Low Concentrations of Ammonia and Nitric Oxide

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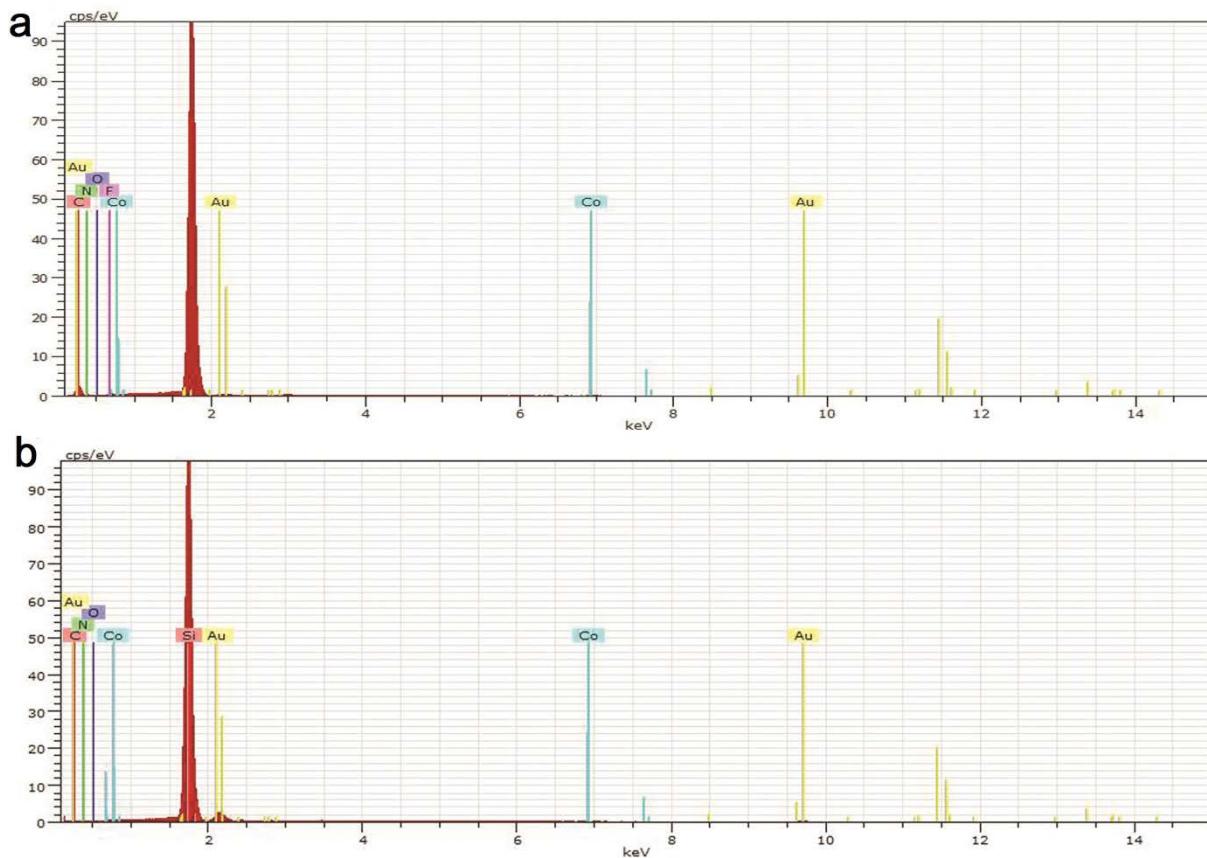
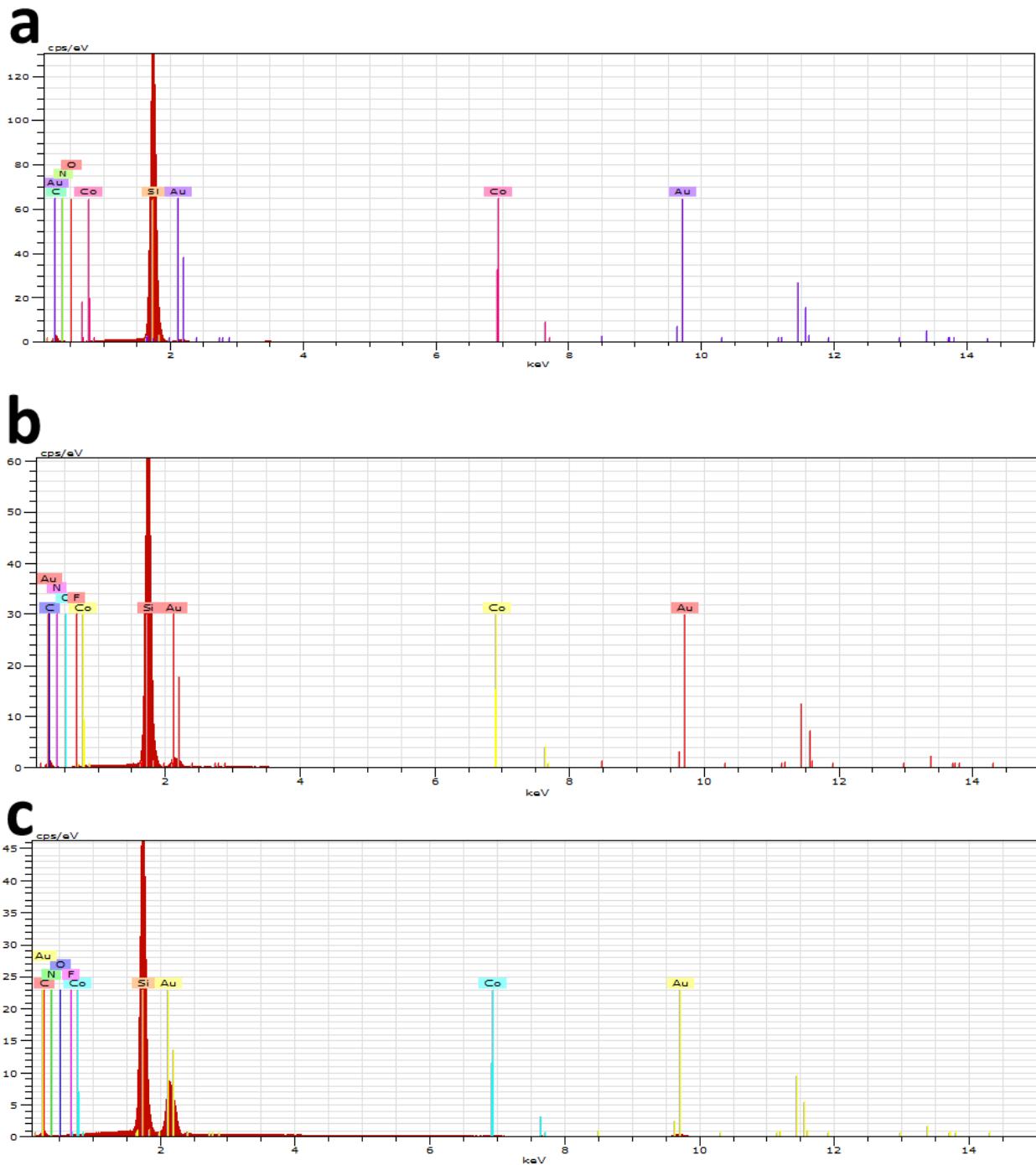
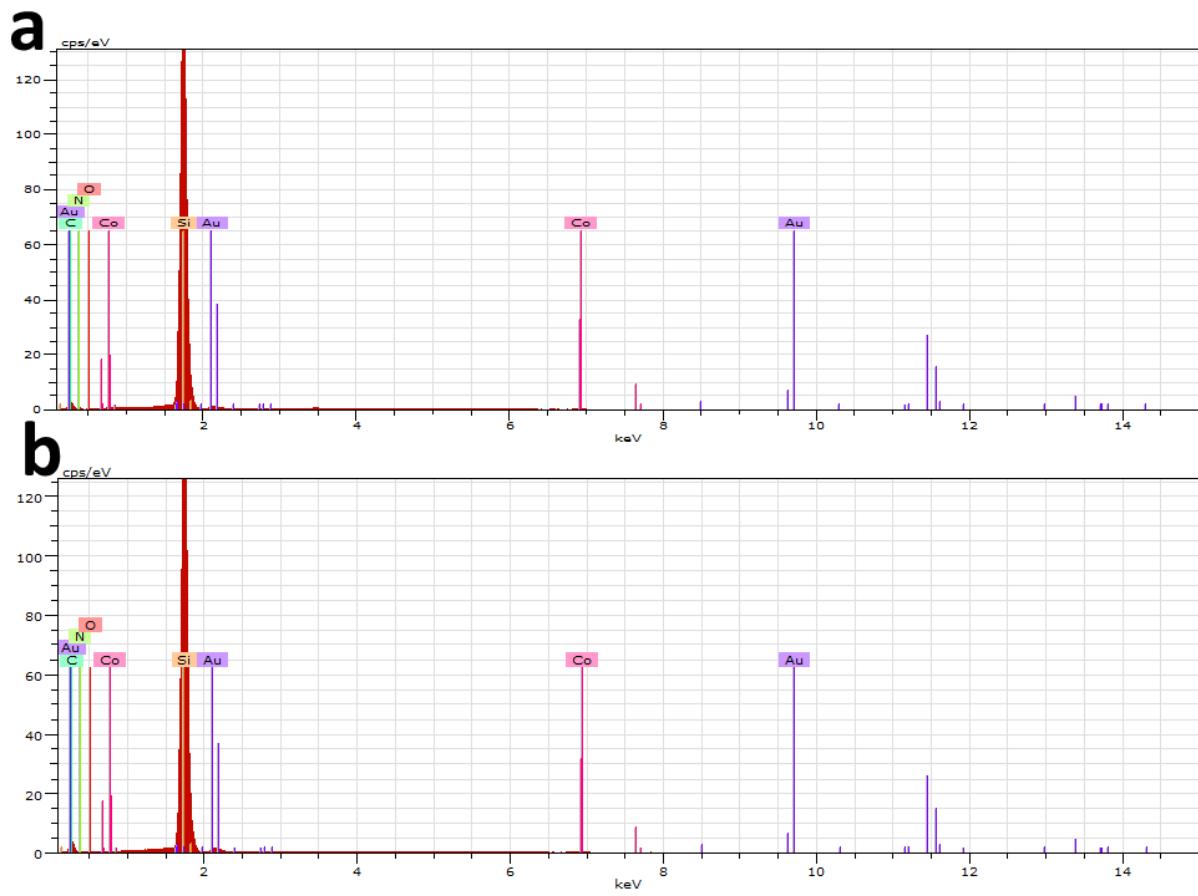


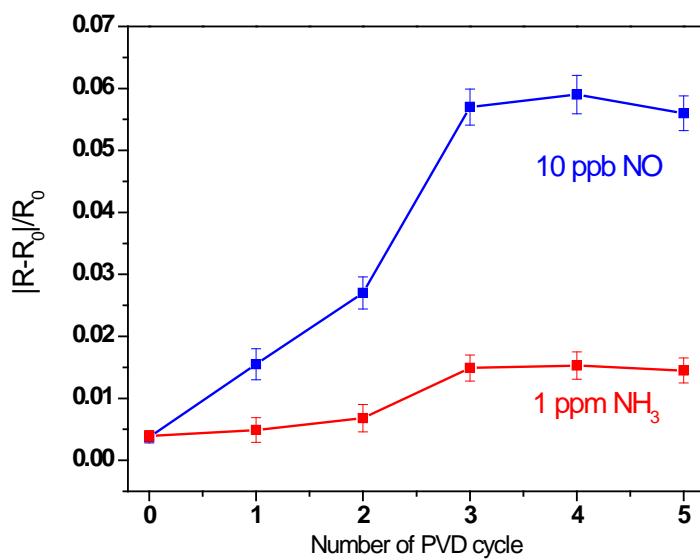
Figure S1. EDX spectra of Au\_CVD2/CoPc (a) and Au\_CVD3/CoPc (b).



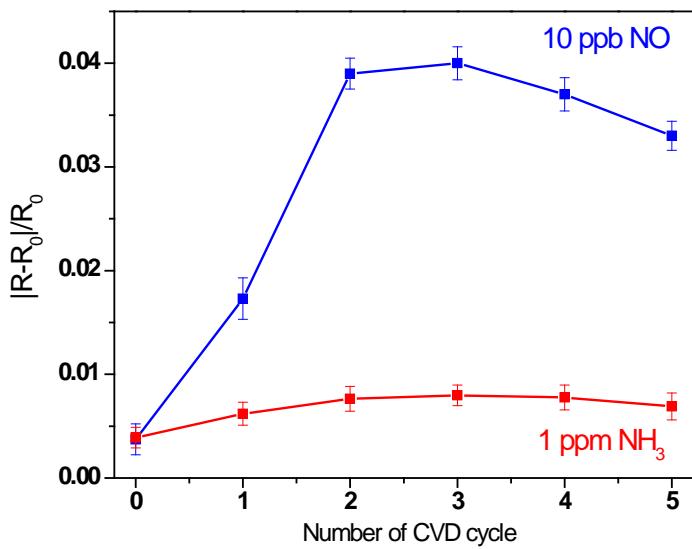
**Figure S2.** EDX spectra of Au\_PVD1/CoPc (a), Au\_PVD2/CoPc (b), and Au\_PVD3/CoPc (c).



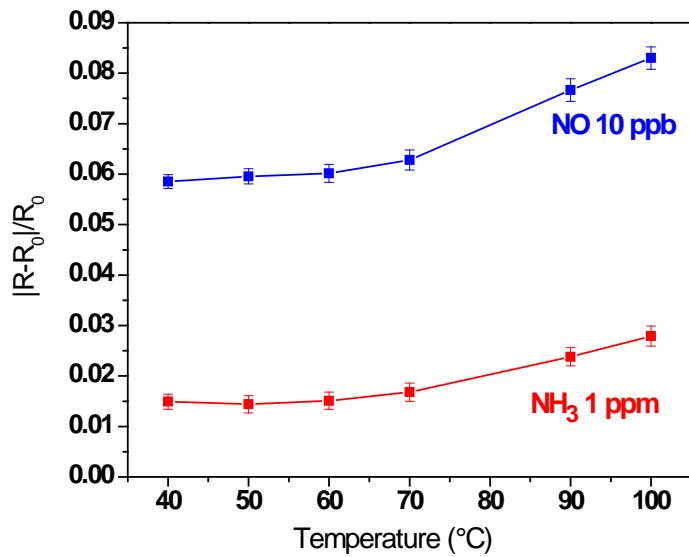
**Figure S3.** EDX spectra of Au\_DC2/CoPc (a) and Au\_DC3/CoPc (b).



**Figure S4.** Dependence of the sensor response of heterostructures, in which Au nanoparticles were deposited by a PVD technique, on the number of PVD cycles.



**Figure S5.** Dependence of the sensor response of heterostructures, in which Au nanoparticles were deposited by a CVD technique, on the number of CVD cycles.



**Figure S6.** Dependence of the response of Au\_PVD3/CoPc sensor on temperature.