Supporting Information

Interaction of copper phthalocyanine with nitrogen dioxide and ammonia investigation using X-ray absorption spectroscopy and chemiresistive gas measurements

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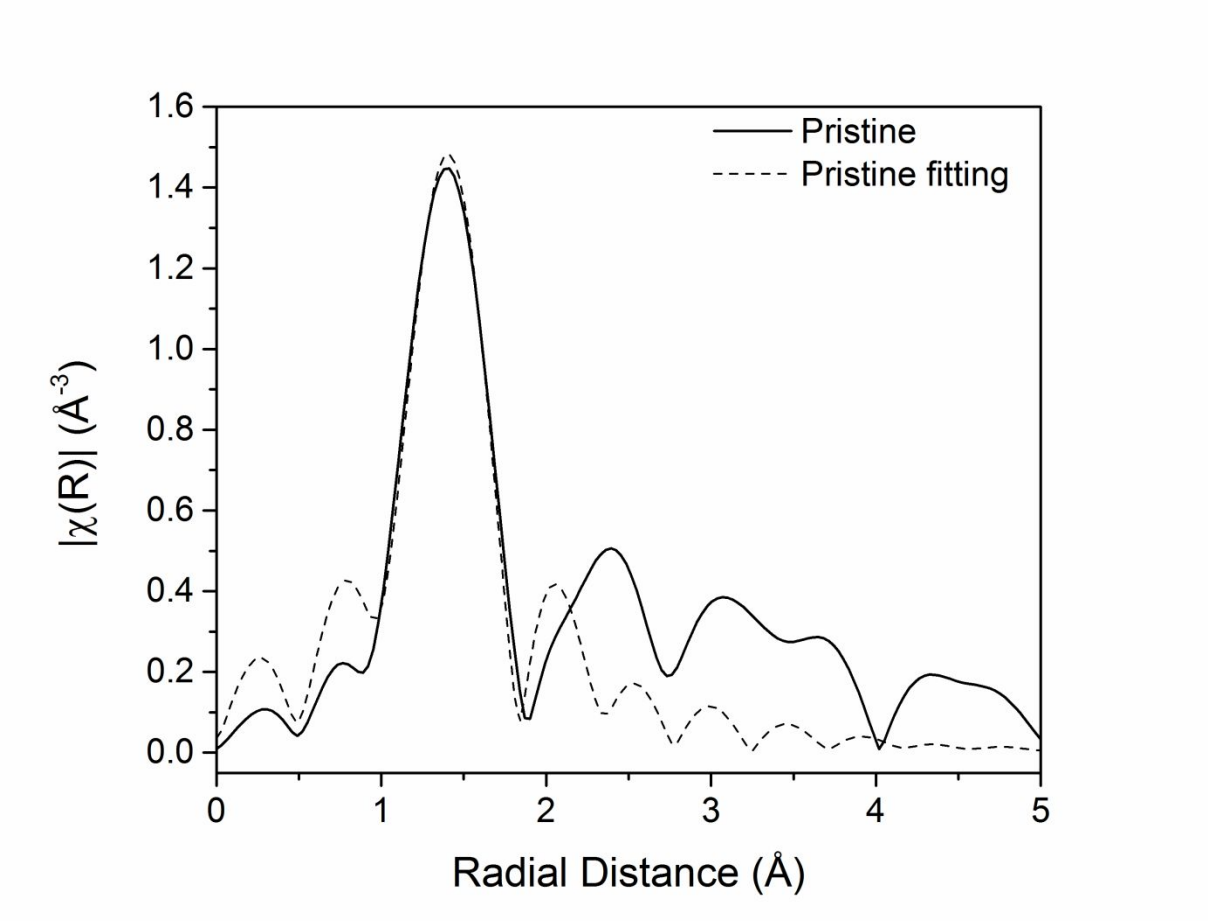

Figure S- 1. Fourier transformed EXAFS of pristine 200 nm CuPc before gas exposure and the respective fitting. Measurements shown here is from a repeated test.

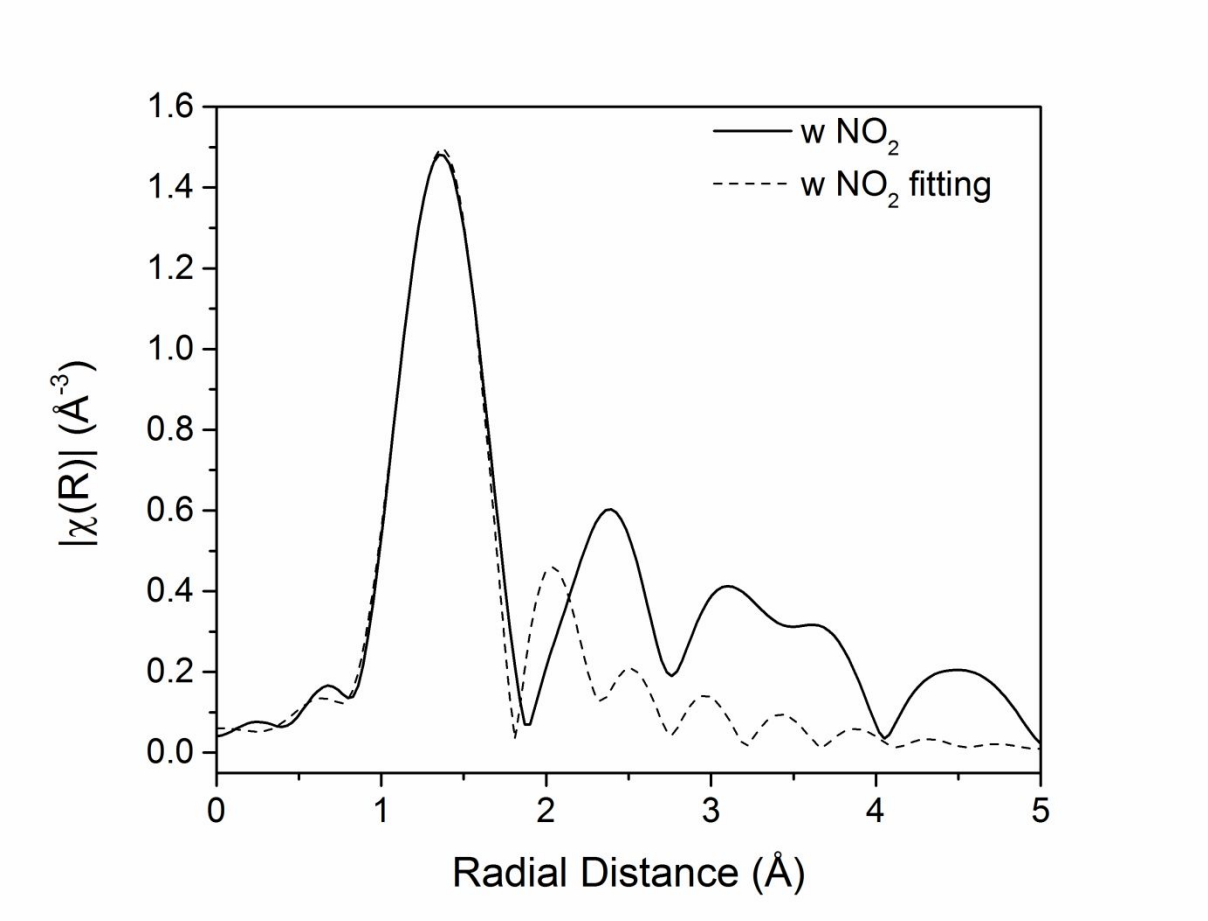

Figure S- 2. Fourier transformed EXAFS of pristine 200 nm CuPc after NO_2 gas exposure and the respective fitting. Measurements shown here is from a repeated test.

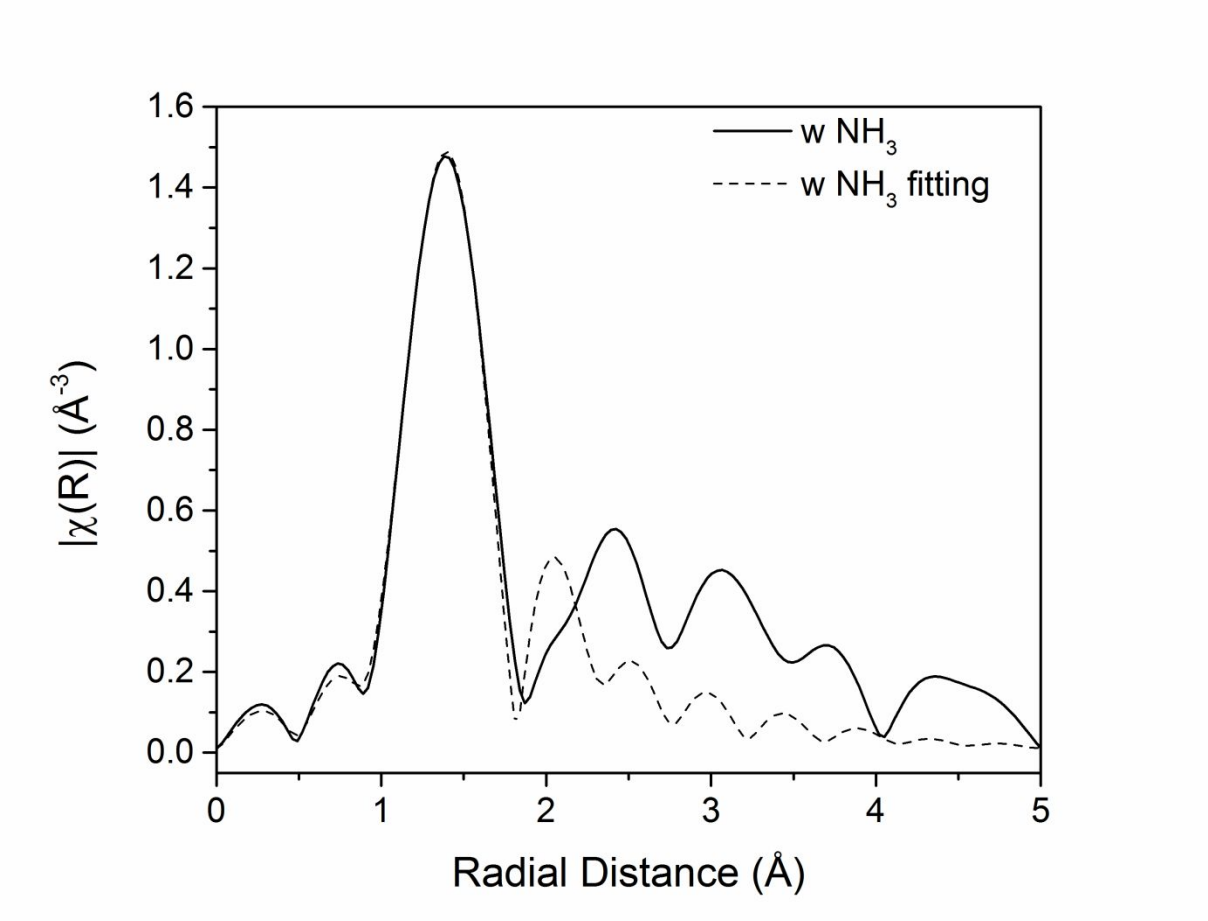

Figure S- 3. Fourier transformed EXAFS of pristine 200 nm CuPc after NH_3 gas exposure and the respective fitting. Measurements shown here is from a repeated test.

Table S-1. Fitting of EXAFS of respective samples using Cu K-edge. R is the radial distance, while σ is the Deby-Waller factor.

Sample	Bond	R (Å)	σ^2 (Å^2)
Pristine CuPc	Cu- N	1.92 (±0.02)	0.0020 (±0.0004)
CuPc with NO_2	Cu-N	1.88 (±0.02)	0.0023(±0.0005)
CuPc with NH_3	Cu-N	1.91 (±0.02)	0.0024(±0.0005)