

Insight into the Humidity Dependent Pseudo-n-Type Response of p-CuScO₂ toward Ammonia

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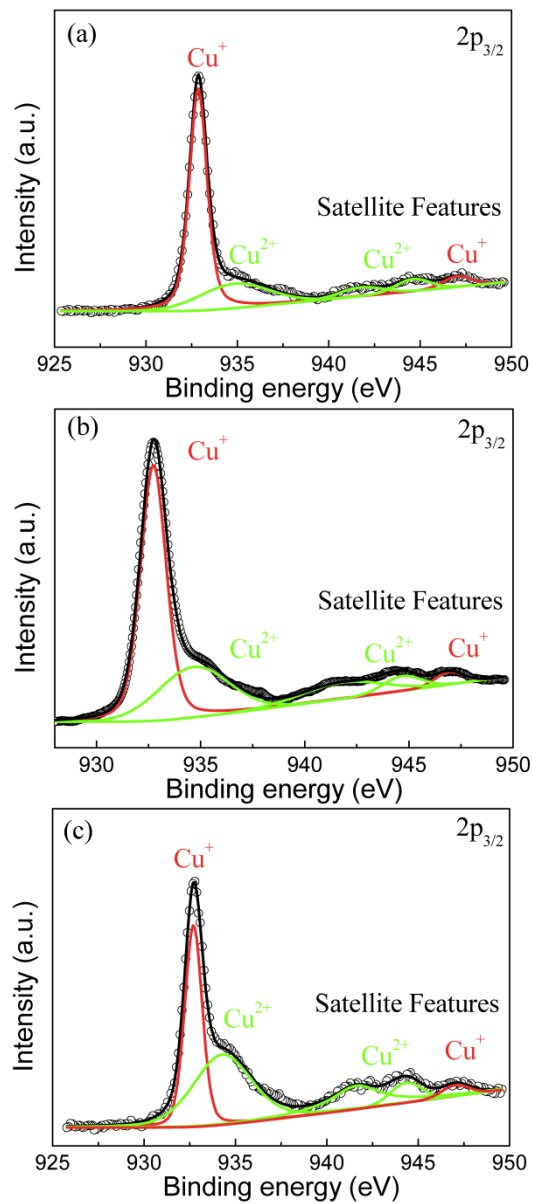


Figure S1. Cu 2p_{3/2} XPS spectra of CuScO₂ annealed at various temperatures (a) for S-200, (b) for S-250 and (c) for S-350.

Table S1. Fitted peak positions of XPS spectra of CuScO₂ annealed at various temperatures.

Samples	Cu ⁺		Cu ²⁺		Sc		O _{lattice}	O _{ads.}
	2p _{3/2}	2p _{1/2}	2p _{3/2}	2p _{1/2}	2p _{3/2}	2p _{1/2}		
S-200	932.8	952.7	934.8	954.7	401.5	406.0	530.0	531.5
S-250	932.7	952.6	934.7	954.3	401.5	406.0	530.0	531.5
S-350	932.7	952.5	934.3	954.3	401.5	406.0	529.8	531.5

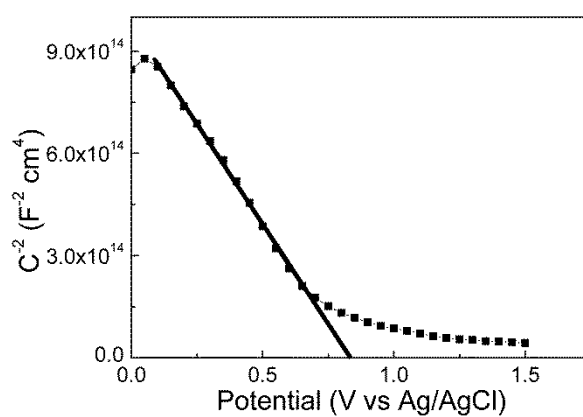


Figure S2. Mott-Schottky plot of CuScO₂.