

Room-temperature NH₃ gas sensor based on atomically dispersed Co

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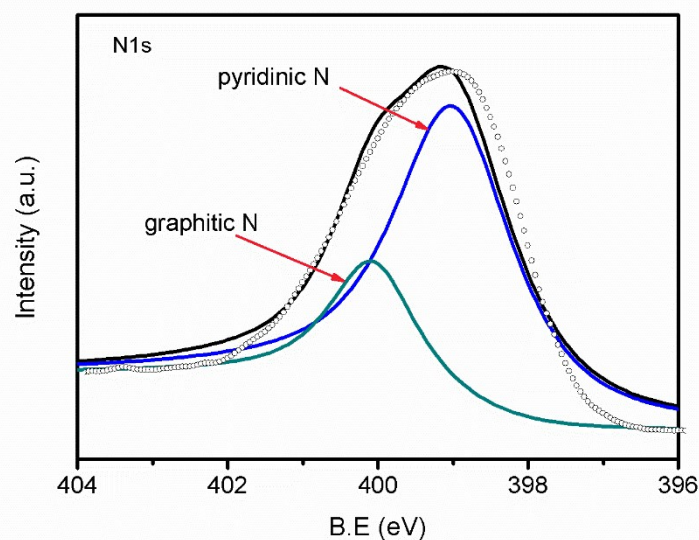


Figure S1. High resolution XPS spectrum of N 1s.

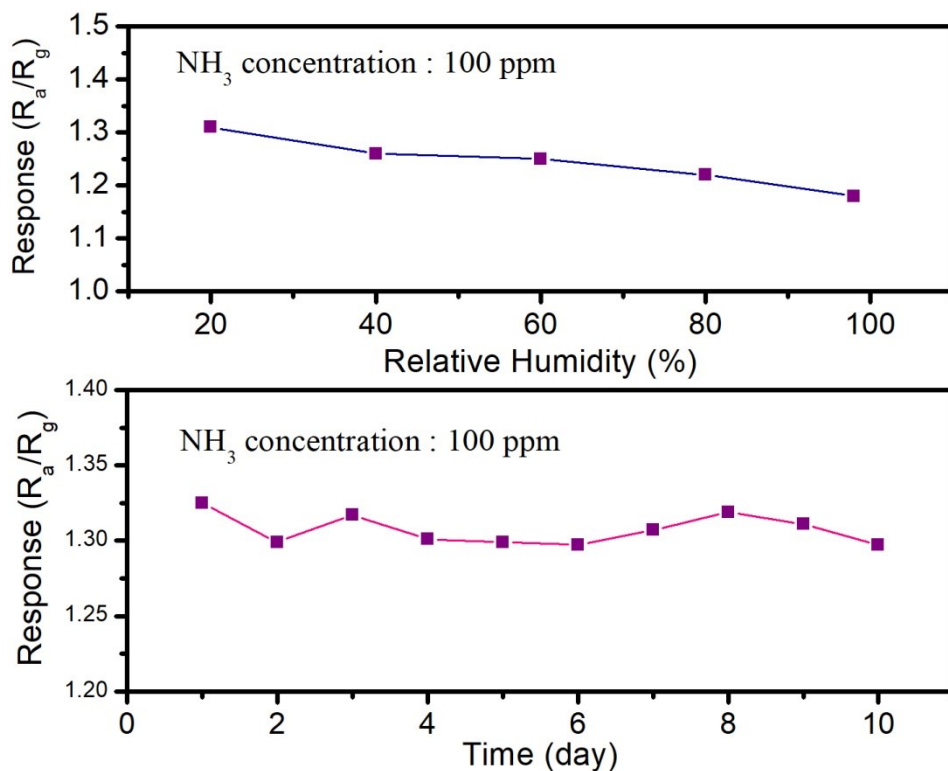


Figure S2. The effect of relative humidity on response values (a) and long-time stability (b) at room temperature.

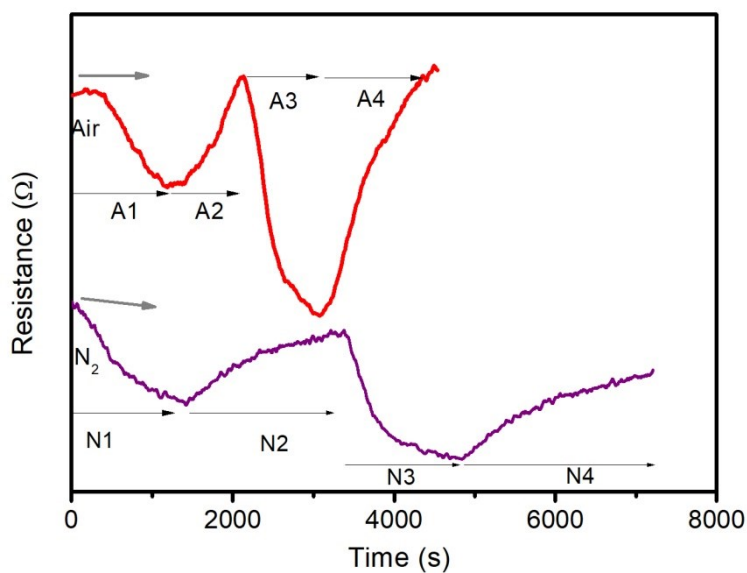


Figure S3. The response curves of SAC CoNC gas sensor to NH_3 under air and nitrogen. A1 and N1 was the response stage while A2 and N2 was recovery stage in 20 ppm NH_3 . A3 and N3 was the response stage while A4 and N4 was recovery stage in 50 ppm NH_3 .