Electronic Supplementary Material (ESI) for RSC Advances.

Effect of Pt doping on Gas Sensing properties of porous Chromium Oxide films through Kinetic Response Analysis Approach

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Supplementary Information

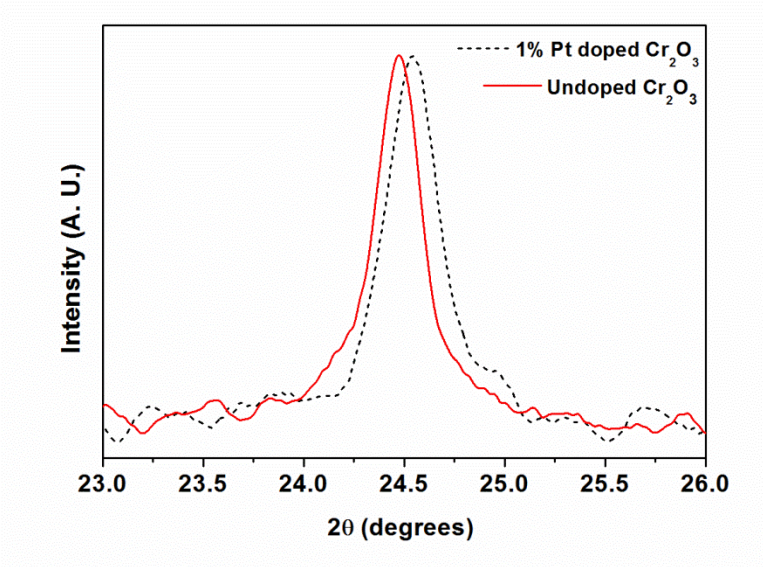

Fig. S1. Comparison of the XRD peak of (012) line in a slow scan mode shows the slight increase in the peak position signifying smaller d spacing.

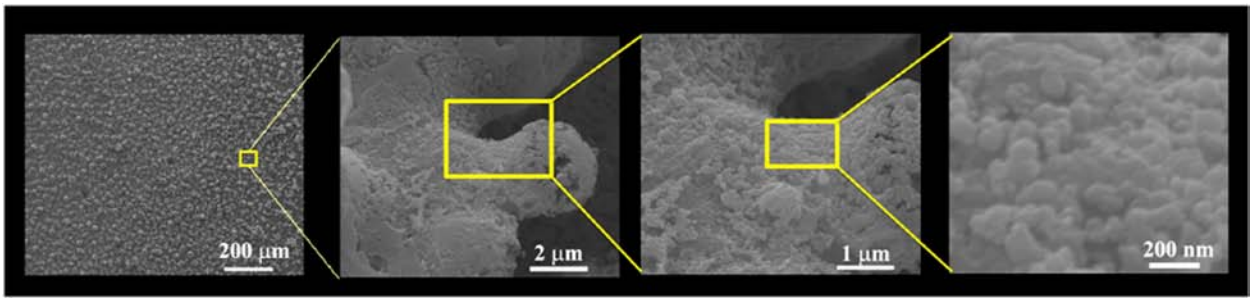

Fig. S2. A set of cascading SEM images showing films particles (~ 2-3 μm) being composed of still smaller particles of ~50 nm in size.

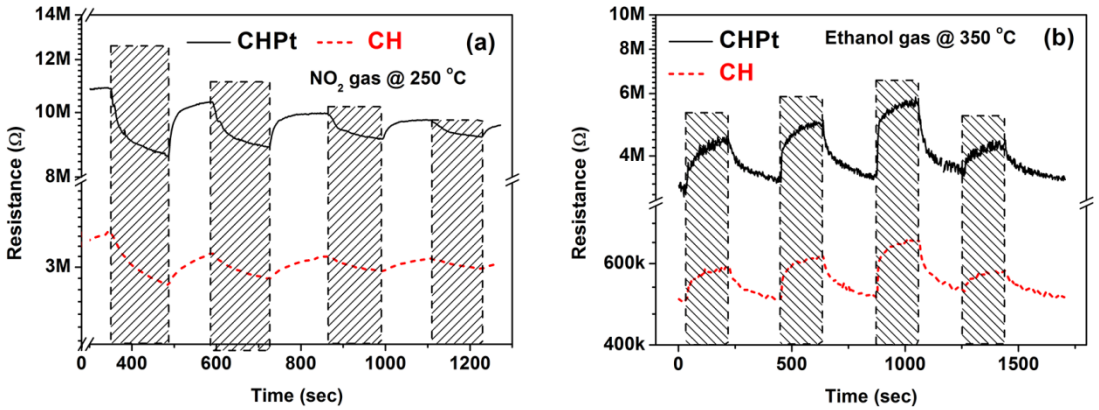

Fig. S3. Typical response transients of CH and CHPt for various concentrations of (a) NO_2 gas and (b) ethanol vapors.

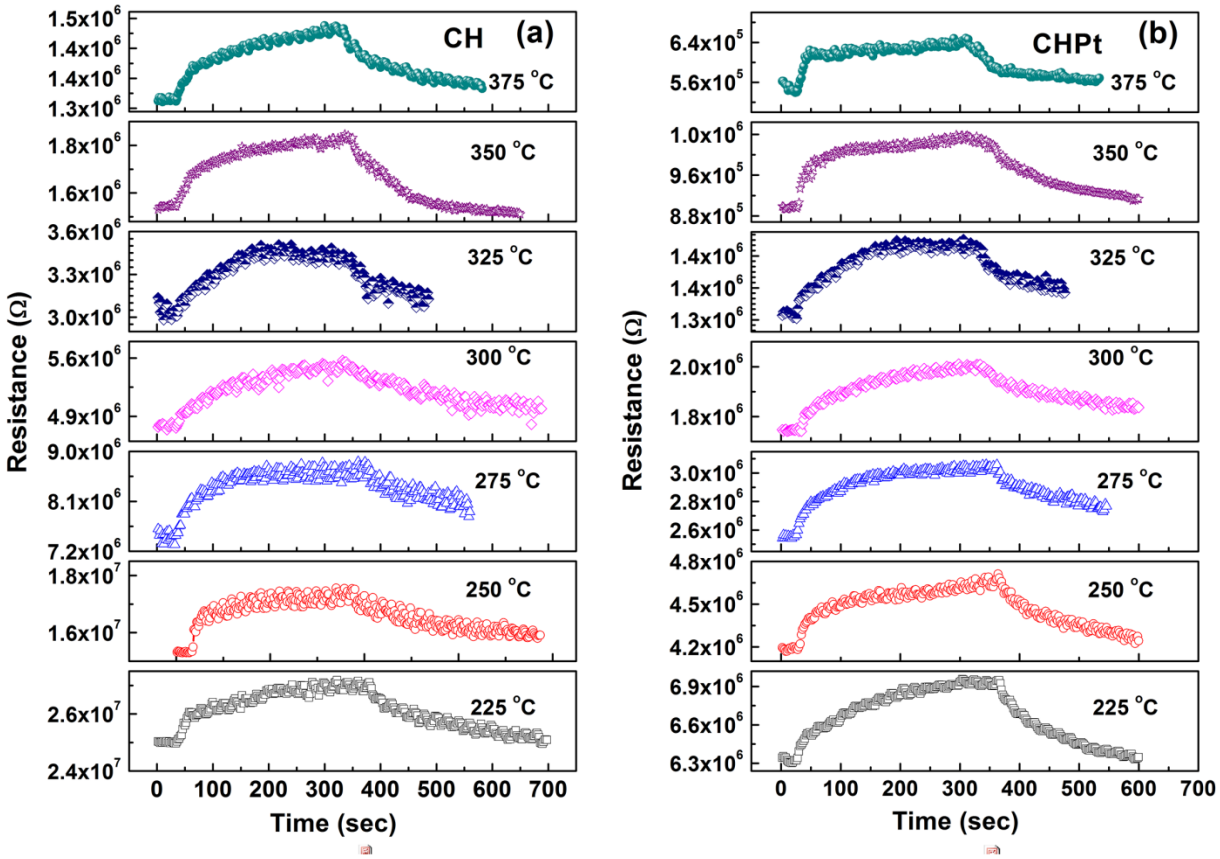

Fig. S4. The typical response transients of (a) CH and (b) CHPt film for 1000 ppm ethanol vapors.