

Supporting Information

Anatase porous titania nanosheets for resonant-gravimetric detection of ppb-level NO₂ at room-temperature

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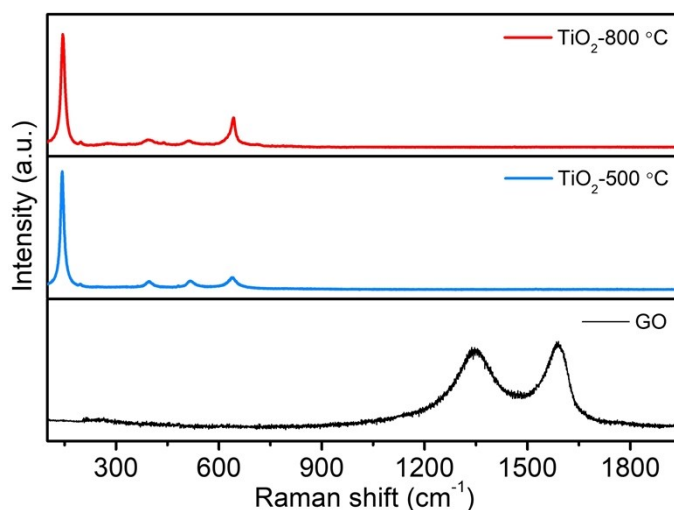


Fig. S1. Raman spectra of the PTNS synthesized at two different calcination temperatures of 500 and 800 °C compared with that of the GO templates.

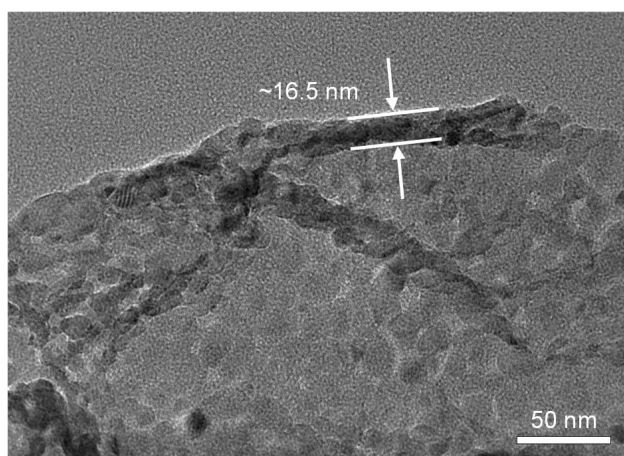


Fig. S2. Typical TEM image of the TiO₂-500 °C sample for showing the thickness of PTNS.

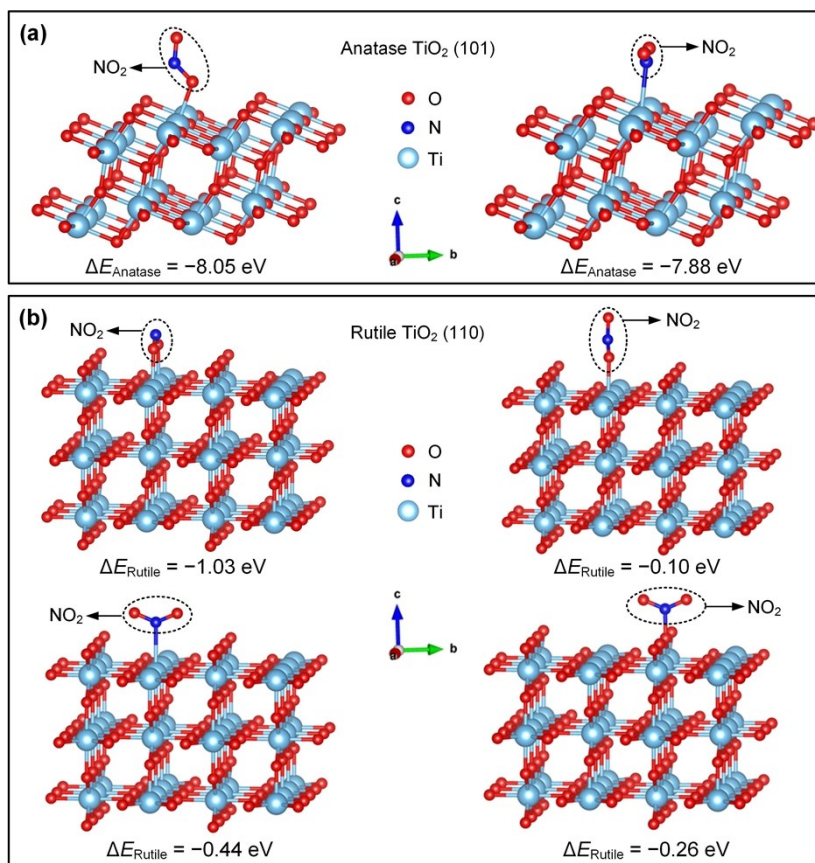


Fig. S3. The adsorption energy (ΔE) calculation results for one NO_2 molecule adsorption on (a) anatase TiO_2 (101) surface and (b) rutile TiO_2 (110) surface.