

Supporting Information

Low Pt loaded CNTs as efficient catalysts for CO oxidation

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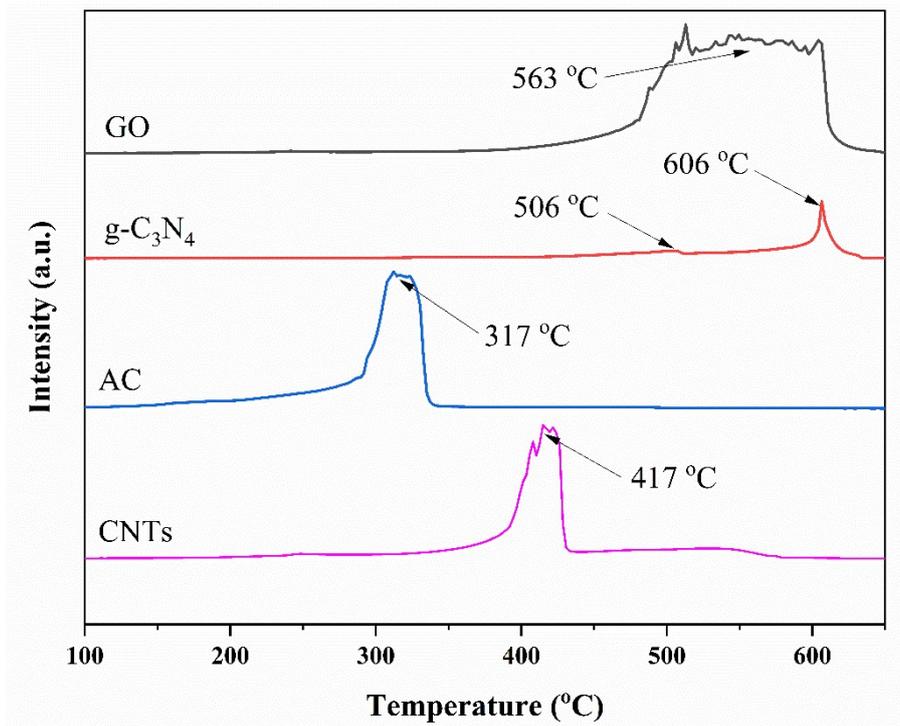


Fig. S1. Carbon oxidation curve of carbon support with temperature variation

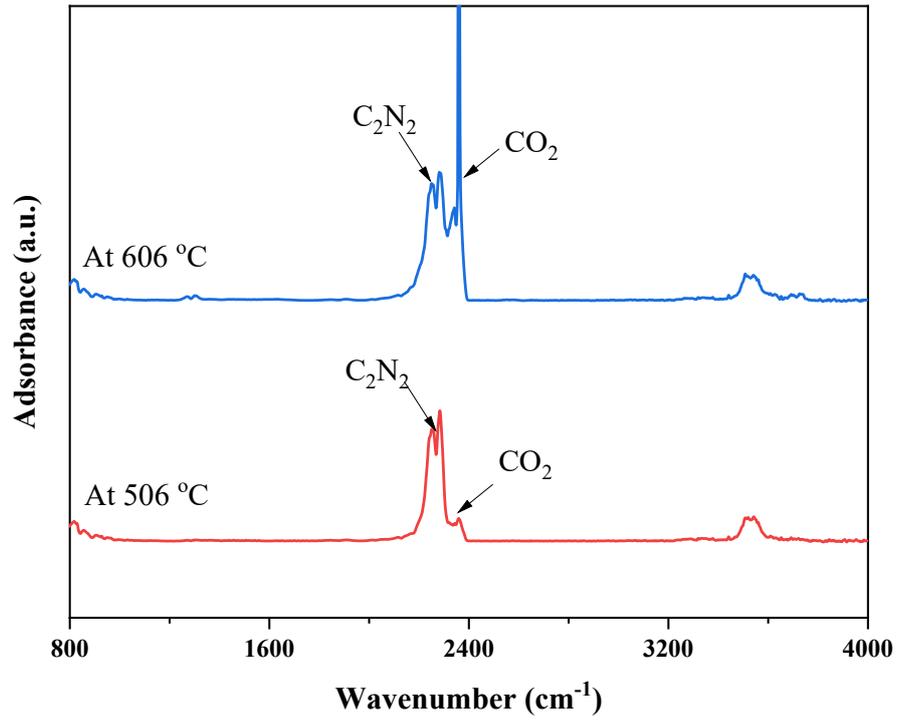


Fig. S2. Infrared absorption spectra of g-C₃N₄ at 506 °C and 606 °C.

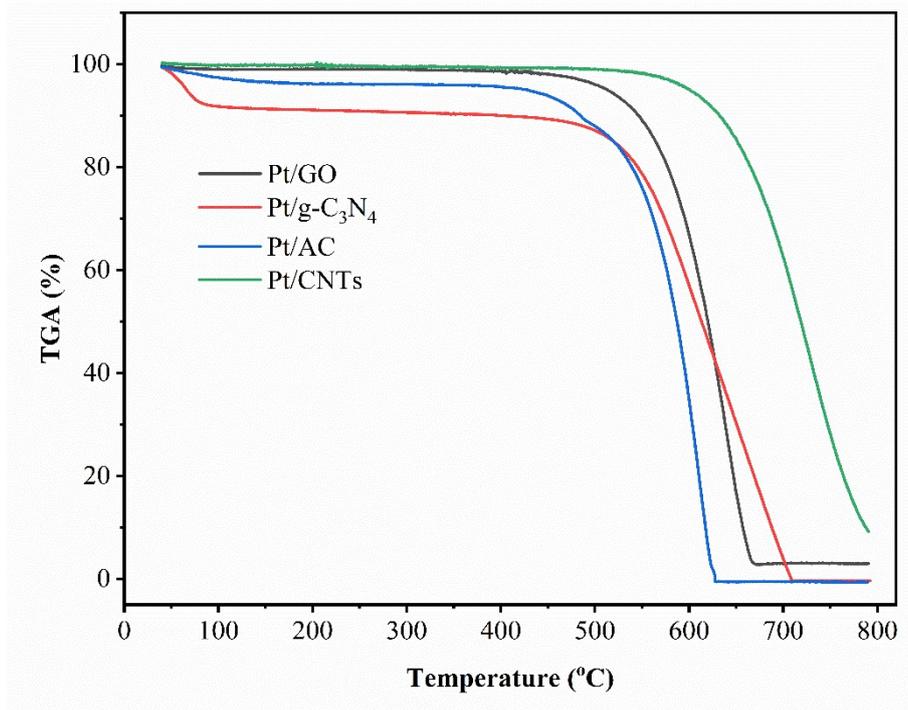


Fig. S3. TGA curves of Pt/GO, Pt/g-C₃N₄, Pt/AC and Pt/CNTs (heating rate = 10 °C/min under an air atmosphere)

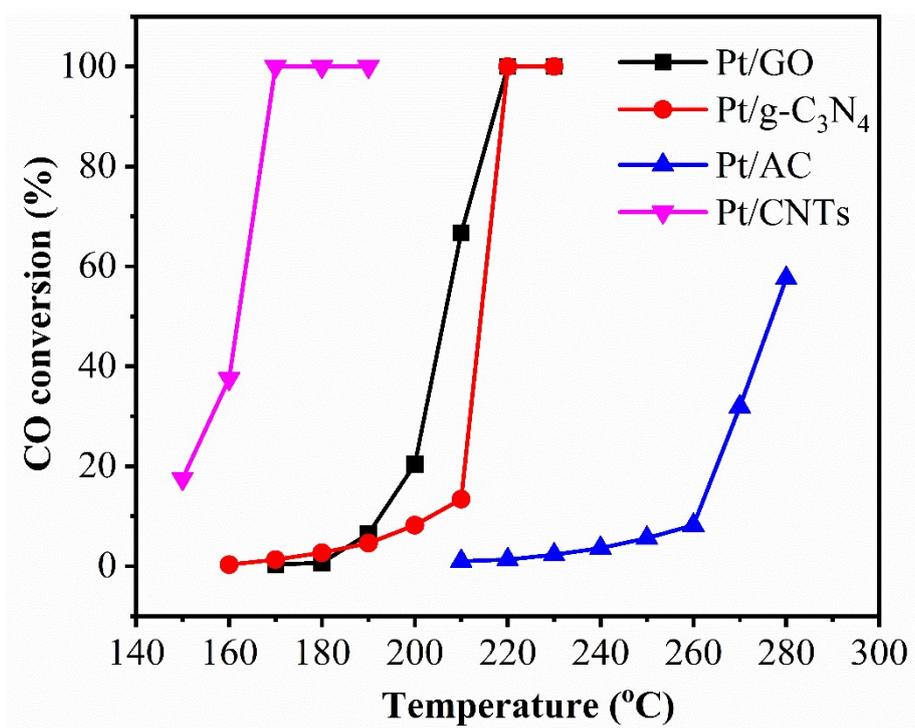


Fig. S4. CO oxidation curves of four carbon-supported Pt catalysts after H₂ pretreatment. Reaction conditions: 10000 ppm CO, 16% O₂, N₂ as balance gas, WHSV: 60000 mL·g⁻¹·h⁻¹

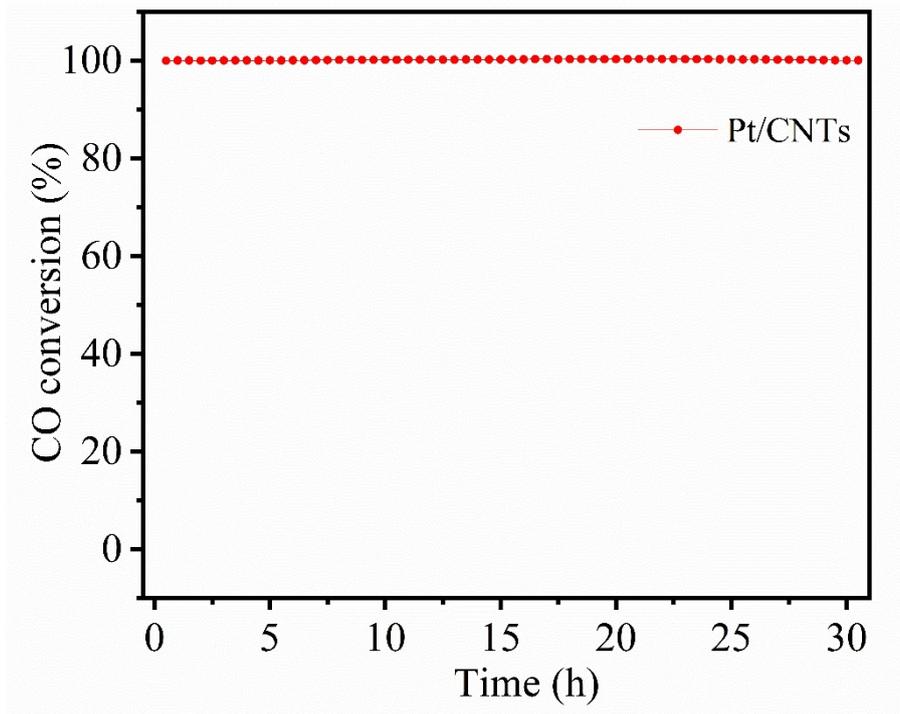


Fig. S5. Stability test of Pt/CNTs at 230 °C. Reaction conditions: 10000 ppm CO, 16% O₂, N₂ as balance gas, WHSV: 60000 mL·g⁻¹·h⁻¹

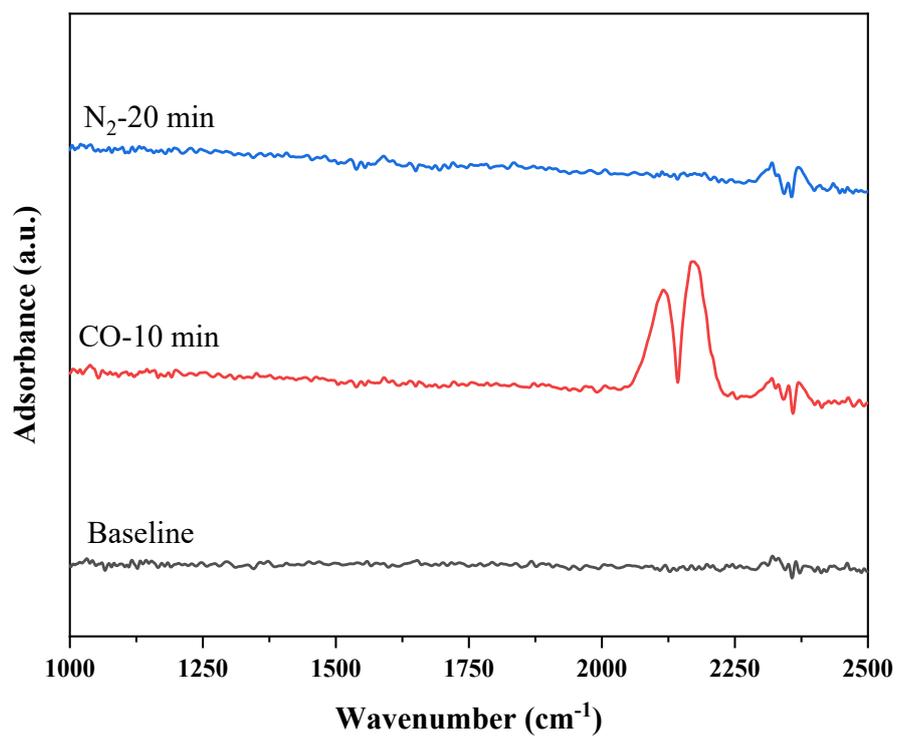


Fig. S6. In-situ DRIFT studies on CO absorption for Pt/CTNs at 50 °C