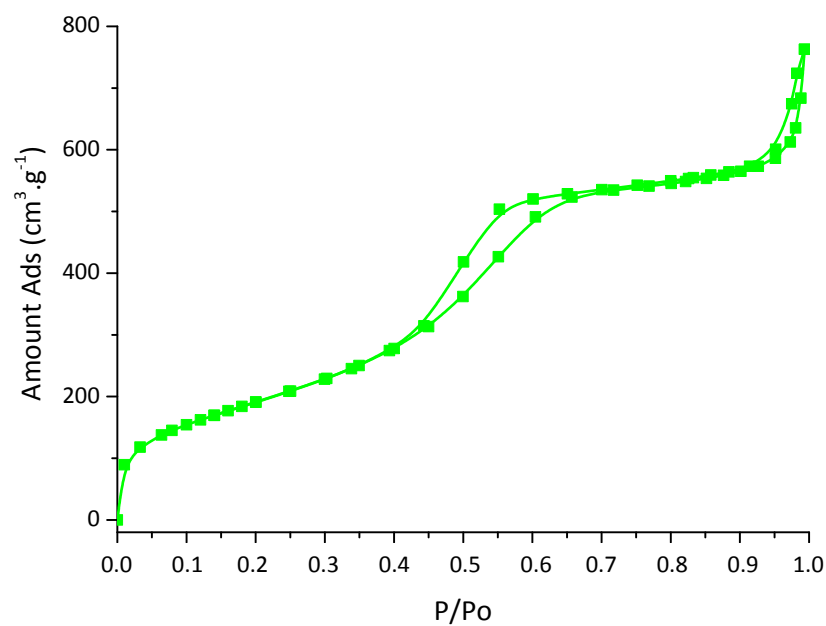
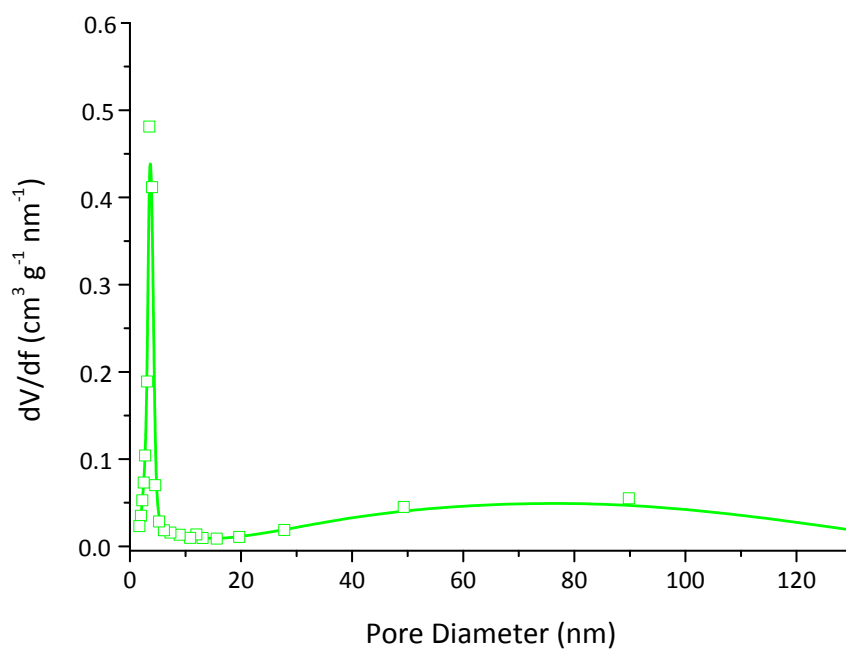


Electronic Supplementary Information (ESI)



(a)



(b)

Figure 1SI. (a) N₂ adsorption-desorption isotherms recorded at 77K of *omp*-Si₃N₄ by direct heat-treatment under ammonia of PHPS/CMK-3 composite. (b) Pore size distribution.

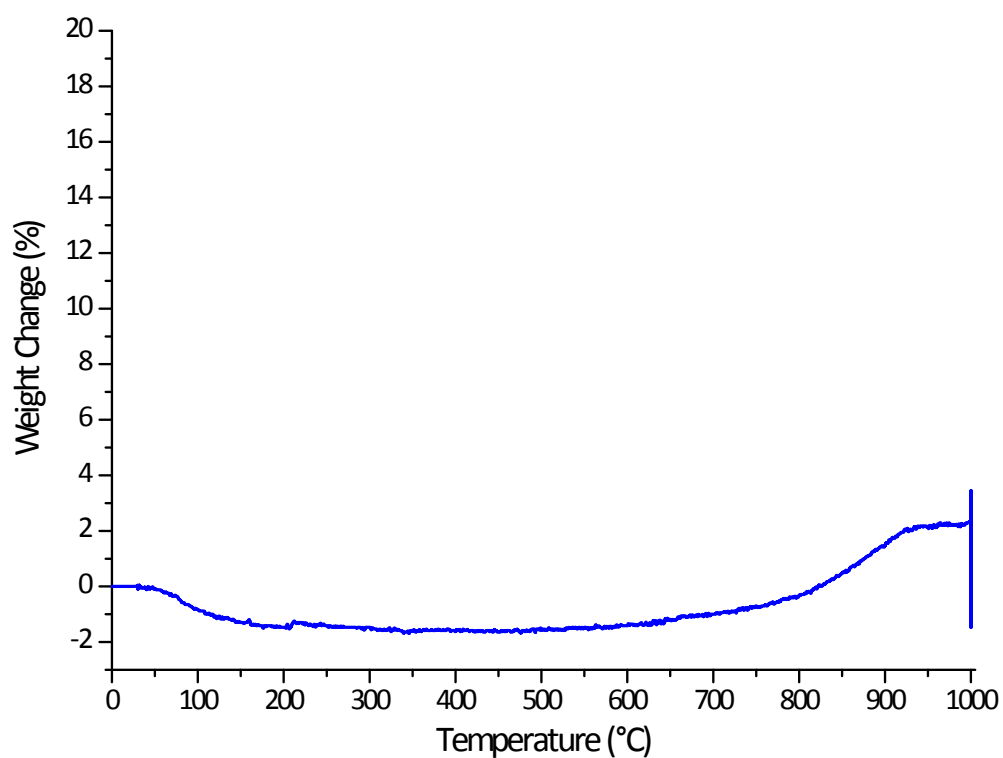


Figure 2SI. TGA curve of *omp*-Si₃N₄ recorded under static air; moisture level: 36 %.

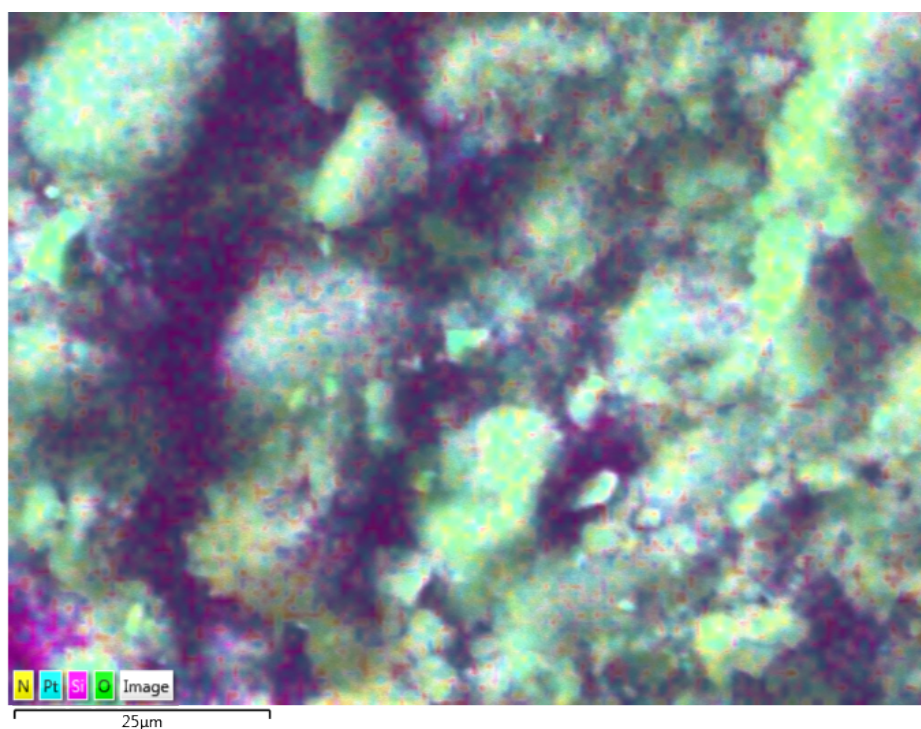


Figure 3SI. Superimposed EDXS map for nitrogen (yellow), platinum (blue), silicon (pink) and oxygen (green).

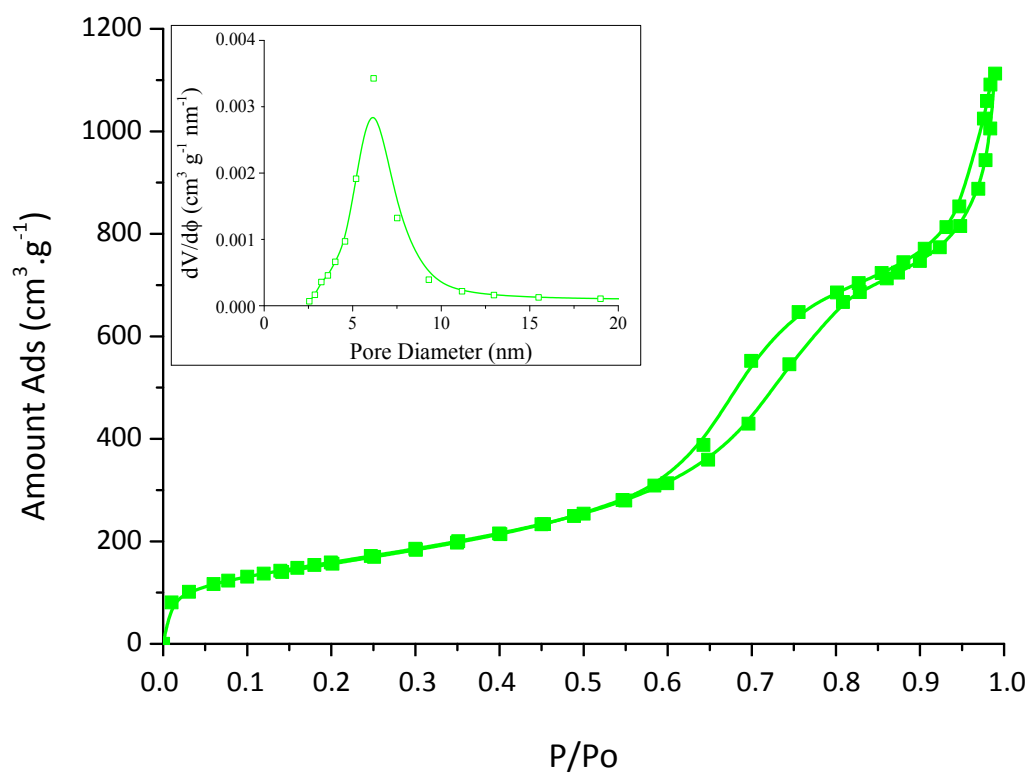


Figure 4SI. N₂ adsorption-desorption isotherms recorded at 77K of the Pt/*omp*-Si₃N₄ nanocatalyst. Pore size distribution as inset.